



TEXAS SOUTHERN UNIVERSITY

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LEONARD H.O. SPEARMAN SCIENCE & TECHNOLOGY BUILDING

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**TEXAS SOUTHERN UNIVERSITY**

3100 Cleburne Street  
Houston, Texas 77004  
[www.tsu.edu](http://www.tsu.edu)

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## GUIDE TO COURSE OFFERINGS

PREFIX	ACADEMIC DISCIPLINE	PREFIX	ACADEMIC DISCIPLINE
ACCT	Accounting (02)	HSHA	Health Administration (27)
AD	Art and Design (17)	HSHI	Health Information Management (27)
AFS	African Studies (16)	HSRT	Respiratory Therapy (27)
AJ	Administration of Justice (23)	INS	Insurance (02)
ART	Art (14)	ITEC	Industrial Technology (33)
AWS	Airway Science (36)	JOUR	Journalism (05)
BADM	Business Administration (03)	MATH	Mathematics (34)
BIOL	Biology (29)	MFG	Automated Manufacturing Technology (33)
CFDV	Child and Family Development (17)	MGMT	Management (03)
CHEM	Chemistry (30)	MGSC	Management Science (03)
CIVT	Civil Engineering Technology (32)	MKTG	Marketing (03)
CLSC	Clinical Laboratory Science (27)	MSCI	Military Science (23)
CM	Communication (04)	MTMS	Maritime Transportation Mgmt & Security (36)
CMET	Computer Engineering Technology (32)	MUSA	Applied Music (14)
COE	Cooperative Education (32,33,36)	MUSI	Music (14)
CONS	Construction Technology (33)	PA	Public Affairs (22)
CS	Computer Science (31)	PADM	Pharmacy Administration (26)
CT	Clothing and Textiles (17)	PAS	Pharmaceutical Applied Sciences (25)
DRFT	Drafting and Design Technology (33)	PE	Human Performance (11)
ECON	Economics (16)	PHAR	Pharmacy (25, 26)
EDCI	Curriculum and Instruction (10)	PHCH	Pharmaceutical Chemistry (25)
ELET	Electronics Engineering Technology (32)	PHIL	Philosophy (18)
ENG	English (13)	PHYS	Physics (35)
ENGT	Engineering Technology (32)	POLS	Political Science (22)
ENTR	Entrepreneurship (02) (04)	PSY	Psychology (18)
ERM	Entertainment & the Recording Industry Management	RDG	Reading Education (10)
FCS	Family and Consumer Sciences (17)	READ	Developmental Reading
FIN	Finance (02)	RTF	Radio, Television, Film (04)
FN	Foods and Nutrition (17)	SC	Speech Communication/Communication Arts and Sciences (04)
FR	French (15)	SOC	Sociology (20)
GEOG	Geography (16)	SOCW	Social Work (19)
GEOL	Geology (16)	SPAN	Spanish (15)
HED	Health (11)	SPED	Special Education (10)
HIST	History (16)	SPMT	Sports Management
HSCR	Health Sciences Core (27)	TC	Telecommunications (04)
HSCS	Human Services And Consumer Sciences (17)	THC	Theatre (14)
HSEH	Environmental Health (27)		

**\*Designations in parentheses refer to section numbers in this document where courses offered under the prefixes specified are referenced.**

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**SUMMARY OF UNDERGRADUATE DEGREES OFFERED**

<b>COLLEGE OR SCHOOL</b>	<b>DEPARTMENT</b>	<b>UNDERGRADUATE DEGREES OFFERED</b>
Jesse H. Jones School of Business	Accounting and Finance	Bachelor of Business Administration (B.B.A.) in Accounting
		Bachelor of Business Administration (B.B.A.) in Finance
	Business Administration	Bachelor of Business Administration (B.B.A.) in Management
		Bachelor of Business Administration (B.B.A.) in Management Information Systems
		Bachelor of Business Administration (B.B.A.) in Marketing
School of Communication	Communication	Bachelor of Arts (B.A.) in Entertainment and the Recording Industry Management
		Bachelor of Arts (B.A.) in Speech Communication
	Journalism	Bachelor of Arts (B.A.) in Journalism
	Radio, TV and Film	Bachelor of Arts (B.A.) in Telecommunications
College of Education	Curriculum and Instruction	Bachelor of Science (B.S.) in Interdisciplinary Studies
	Education Administration and Foundations	None
	Counseling	None
	Health and Kinesiology	Bachelor of Science (B.S.) in Health Studies
		Bachelor of Science (B.S.) in Human Performance
		Bachelor of Science (B.S.) in Human Performance/Athletic Training
		Bachelor of Science (B.S.) in Sports Management
College of Liberal Arts and Behavioral Sciences	English	Bachelor of Arts (B.A.) in English
	Foreign Languages	Bachelor of Arts (B.A.) in Spanish
	History and Geography	Bachelor of Arts (B.A.) in General Studies
		Bachelor of Arts (B.A.) in History
	Human Services and Consumer Sciences	Bachelor of Arts (B.A.) in Dietetics
		Bachelor of Science (B.S.) in Human Services and Consumer Sciences – Child and Family Development
		Bachelor of Science (B.S.) in Human Services and Consumer Sciences – Family and Consumer Science
		Bachelor of Science (B.S.) in Human Services and Consumer Sciences – Foods and Nutrition
		Bachelor of Science (B.S.) in Human Services and Consumer Sciences – Human Development and Family Studies
	Music	Bachelor of Arts (B.A.) in Music
	Psychology	Bachelor of Arts (B.A.) in Psychology
	Social Work	Bachelor of Arts (B.A.) in Social Work
	Sociology	Bachelor of Arts (B.A.) in Sociology
Visual and Performing Arts	Bachelor of Arts (B.A.) in Art	
	Bachelor of Arts (B.A.) in Theatre	

COLLEGE OR SCHOOL	DEPARTMENT	UNDERGRADUATE DEGREES OFFERED
Barbara Jordan - Mickey Leland School of Public Affairs	Political Science	Bachelor of Science (B.S.) in Political Science
		Bachelor of Science (B.S.) in Public Affairs
	Administration of Justice	Bachelor of Science (B.S.) in Administration of Justice
College of Pharmacy and Health Sciences	Pharmaceutical Sciences	Entry Level Doctor of Pharmacy (Pharm.D.)
	Pharmacy Practice	
	Health Sciences	Bachelor of Science (B.S.) in Environmental Health
		Bachelor of Science (B.S.) in Health Administration
		Bachelor of Science (B.S.) in Health Information Management
		Bachelor of Science (B.S.) in Clinical Laboratory Science
	Bachelor of Science (B.S.) in Respiratory Therapy	
College of Science and Technology	Aviation Science and Technology	Bachelor of Science (B.S.) in Aviation Science Management
	Biology	Bachelor of Science (B.S.) in Biology
	Chemistry	Bachelor of Science (B.S.) in Chemistry
	Computer Science	Bachelor of Science (B.S.) in Computer Science
	Engineering Technology	Bachelor of Science (B.S.) in Civil Engineering Technology
		Bachelor of Science (B.S.) in Computer Engineering Technology
		Bachelor of Science (B.S.) in Electronics Engineering Technology
	Environmental Science and Technology	None
	Industrial Technology	Bachelor of Science (B.S.) in Industrial Technology - Construction Technology
		Bachelor of Science (B.S.) in Industrial Technology - Design Technology
	Mathematics	Bachelor of Science (B.S.) in Mathematics
	Physics	None
Transportation Studies	Bachelor of Science (B.S.) in Maritime Transportation Management and Security	

**NOTE: Many of the degrees offered have multiple tracks leading toward their completion. Consult contents of this bulletin related to the various departments and the respective degrees offered for detailed information on these tracks. Texas Southern University does not offer an undergraduate degree in nursing; however, students interested in pursuing this degree elsewhere may earn lower level credits needed for this degree at the University. The Department of Biology administers a pre-nursing program, and students choosing to pursue this course of study should consult that department's section of this bulletin for more information.**

## 2012-2014 ACADEMIC CALENDAR

<b>First Summer Term 2012 (Classes meet 5 days a week)</b>	
<b>April 21 - May 31</b>	Summer term I registration period for continuing students
<b>May 1</b>	<b>Deadline Housing applications for Fall 2012</b>
<b>May 15</b>	<b>Tuesday</b> Last day to apply for summer term I admission
<b>May 28</b>	<b>Monday</b> Memorial Day holiday
<b>May 29-31</b>	<b>Tuesday-Thursday</b> Registration period for new students
<b>June 1</b>	<b>Friday</b> Last day to pay tuition and fees without a late fee
<b>June 4</b>	<b>Monday</b> CLASSES BEGIN
	Change of program (one day)
<b>June 7</b>	<b>Thursday</b> FOURTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
<b>June 15</b>	<b>Friday</b> Last day to file for August graduation
<b>June 19</b>	<b>Tuesday</b> Juneteenth Holiday
<b>June 22</b>	<b>Friday</b> Last day to drop classes or withdraw from school with grades of W
<b>June 20-22</b>	<b>Wednesday-Friday</b> Early Start orientation and registration for first-time freshmen and new transfer students
<b>June 25</b>	<b>Monday</b> FIFTEENTH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees with a late fee
<b>July 4</b>	<b>Wednesday</b> Independence Day holiday
<b>July 6</b>	<b>Friday</b> FINAL EXAMINATIONS
	Summer term I closes
<b>Second Summer Term 2012 (Classes meet 5 days a week)</b>	
<b>April 21 - July 6</b>	Summer term II registration period for continuing students
<b>June 15</b>	<b>Friday</b> Last day to apply for summer term II admission
<b>July 18-20</b>	<b>Wednesday-Friday</b> Early Start orientation and registration for first-time freshmen and new transfer students
<b>July 2-6</b>	<b>Monday-Friday</b> Registration period for new students
<b>July 6</b>	<b>Friday</b> Last day to pay tuition and fees without a late fee
<b>July 9</b>	<b>Monday</b> CLASSES BEGIN
	Change of program (one day)
<b>July 12</b>	<b>Thursday</b> FOURTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
<b>July 25</b>	<b>Wednesday</b> Last day to drop classes or withdraw from school with grades of W
<b>July 27</b>	<b>Friday</b> FIFTEENTH CLASS DAY
	Last day to pay tuition and fees with a late fee
	Purge of all unpaid course selections
<b>August 8</b>	<b>Wednesday</b> FINAL EXAMINATIONS
	Summer term II closes



<b>Fall 2012 Semester</b>	
<b>April 21 - August 24</b>	Fall registration period for continuing students
<b>June 20-22</b>	<b>Wednesday-Friday</b> Early Start orientation and registration for first-time freshmen and new transfer students
<b>July 18-20</b>	<b>Wednesday-Friday</b> Early Start orientation and registration for first-time freshmen and new transfer students
<b>July 13</b>	<b>Friday</b> Last day to apply for fall admission
<b>August 17</b>	<b>Friday</b> <b>Urban Academic Village move-in date per scheduled appointments only</b>
<b>August 18</b>	<b>Saturday</b> <b>Tierwester Oaks, Lanier East move-in date per scheduled appointments only</b>
<b>August 19</b>	<b>Sunday</b> <b>University Courtyard, Savoy, Lanier West and Other University-Sponsored Housing Locations move-in date by appointment only</b>
<b>August 20-21</b>	Orientation and registration period for first-time freshmen and new transfer students
<b>August 22-24</b>	One Stop Registration
<b>August 27-28</b>	Late Registration at Department of Academic Major
<b>August 24</b>	<b>Friday</b> Last day to pay tuition and fees without a late fee
<b>August 27</b>	<b>Monday</b> CLASSES BEGIN
<b>August 27-31</b>	<b>Monday-Friday</b> Change of program period
<b>September 3</b>	<b>Monday</b> Labor Day holiday
<b>September 10</b>	<b>Monday</b> TWELFTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
<b>September 14</b>	<b>Friday</b> Last day to file for December graduation
<b>September 18</b>	<b>Tuesday</b> Opening Convocation-FOUNDERS' DAY
<b>September 19</b>	<b>Wednesday</b> TWENTIETH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees with a late fee
<b>September 24</b>	<b>Monday</b> Second installment payment due
<b>October 13-19</b>	MID-SEMESTER EXAMINATIONS
<b>October 28 - November 3</b>	Homecoming (Tentative dates)
<b>October 29</b>	<b>Monday</b> Third installment payment due
<b>November 9</b>	<b>Friday</b> Last day to drop classes or withdraw from school with grades of W
<b>November 22-24</b>	<b>Thursday-Saturday</b> Thanksgiving holidays
<b>November 26</b>	Classes resume
<b>December 7</b>	<b>Friday</b> Last day of classes
<b>December 8-14</b>	<b>Saturday-Friday</b> FINAL EXAMINATIONS
<b>December 14</b>	Official closing of semester
<b>December 15</b>	<b>Saturday</b> Commencement Exercises, 9:30 a.m.
	Residence Halls close

<b>Spring 2013 Semester</b>	
<b>November 19, 2012 - January 13, 2013</b>	Spring registration period for continuing students
<b>December 7, 2012</b>	<b>Friday</b> Last day to apply for spring admission
<b>January 6</b>	<b>Sunday</b> Urban Academic Village, Tierwester Oaks, Lanier East, University Courtyard, Savoy, Lanier West and other University-Sponsored Housing move-in date by scheduled appointment only
<b>January 7-11</b>	<b>Monday-Friday</b> Orientation and registration period for first-time freshmen and new transfer students
<b>January 11</b>	<b>Friday</b> Last day to pay tuition and fees without a late fee
<b>January 14</b>	<b>Monday</b> CLASSES BEGIN
<b>January 14-18</b>	<b>Monday-Friday</b> Change of program period
<b>January 21</b>	<b>Monday</b> Martin Luther King, Jr. Day holiday
<b>January 28</b>	<b>Monday</b> TWELFTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
<b>February 6</b>	<b>Wednesday</b> TWENTIETH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees with a late fee
<b>February 8</b>	<b>Friday</b> Last day to file for May graduation
<b>February 18</b>	PRESIDENTS' DAY
<b>February 19</b>	<b>Tuesday</b> Second Installment payment due
<b>March 2-8</b>	<b>Saturday-Friday</b> MID-SEMESTER EXAMINATIONS
<b>March 9-15</b>	<b>Saturday-Friday</b> Spring vacation
<b>March 16</b>	<b>Saturday</b> Classes Resume
<b>March 29-30</b>	<b>Friday-Saturday</b> Easter Holidays
<b>April 1</b>	<b>Monday</b> Third installment payment due Classes resume
<b>April 4</b>	<b>Thursday</b> Honors Day
<b>April 12</b>	<b>Friday</b> Last day to drop classes or withdraw from school with grades of W
<b>May 3</b>	<b>Friday</b> Last day of classes
<b>May 4-10</b>	<b>Saturday-Friday</b> FINAL EXAMINATIONS
	Official closing of semester
<b>May 11</b>	<b>Saturday</b> Commencement Exercises, 9:30 a.m.

<b>First Summer Term 2013 (Classes meet 5 days a week)</b>	
<b>April 15 - May 31</b>	Summer term I registration period for continuing students
<b>May 10</b>	<b>Friday</b> Last day to apply for summer term I admission
<b>May 27</b>	<b>Monday</b> Memorial Day holiday
<b>May 28-30</b>	<b>Tuesday-Thursday</b> Registration period for new students
<b>May 31</b>	<b>Monday</b> Last day to pay tuition and fees without a late fee
<b>June 3</b>	<b>Monday</b> CLASSES BEGIN
	Change of program (one day)
<b>June 6</b>	<b>Friday</b> FOURTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
<b>June 7</b>	<b>Friday</b> Last day to file for August graduation
<b>June 19</b>	<b>Wednesday</b> Juneteenth holiday
<b>June 20-22</b>	<b>Thursday-Saturday</b> Early Start orientation and registration for first-time freshmen and new transfer students
<b>June 21</b>	<b>Friday</b> Last day to drop classes or withdraw from school with grades of W
<b>June 24</b>	<b>Monday</b> FIFTEENTH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees with a late fee
<b>July 4</b>	<b>Thursday</b> Independence Day holiday
<b>July 5</b>	<b>Monday</b> FINAL EXAMINATIONS
	Summer term I closes
<b>Second Summer Term 2013 (Classes meet 5 days a week)</b>	
<b>April 15 - July 5</b>	Summer term II registration period for continuing students
<b>June 21</b>	<b>Friday</b> Last day to apply for summer term II admission
<b>July 1-5</b>	<b>Monday-Friday</b> Registration period for new students
<b>July 5</b>	<b>Friday</b> Last day to pay tuition and fees without a late fee
<b>July 8</b>	<b>Monday</b> CLASSES BEGIN
	Change of program (one day)
<b>July 11</b>	<b>Monday</b> FOURTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
<b>July 17-19</b>	<b>Wednesday-Friday</b> Early Start orientation and registration for first-time freshmen and new transfer students
<b>July 25</b>	<b>Thursday</b> Last day to drop classes or withdraw from school with grades of W
<b>July 26</b>	<b>Friday</b> FIFTEENTH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees with a late fee
<b>August 7</b>	<b>Wednesday</b> FINAL EXAMINATIONS
	Summer term II closes

<b>Fall 2013 Semester</b>	
<b>April 15 - August 23</b>	Fall registration period for continuing students
<b>June 20-22</b>	<b>Thursday-Saturday</b> Early Start orientation and registration for first-time freshmen and new transfer students
<b>July 17-19</b>	<b>Wednesday-Friday</b> Early Start orientation and registration for first-time freshmen and new transfer students
<b>July 13</b>	<b>Friday</b> Last day to apply for fall admission
<b>August 16</b>	<b>Friday</b> <b>Urban Academic Village move-in date per scheduled appointments only</b>
<b>August 17</b>	<b>Saturday</b> <b>Tierwester Oaks, Lanier East move-in date per scheduled appointments only</b>
<b>August 18</b>	<b>Sunday</b> <b>University Courtyard, Savoy, Lanier West and other University-Sponsored Housing Locations move-in date.</b>
<b>August 19-23</b>	<b>Monday-Friday</b> Orientation and registration period for first-time freshmen and new transfer students
<b>August 23</b>	<b>Friday</b> Last day to pay tuition and fees without a late fee
<b>August 26</b>	<b>Monday</b> CLASSES BEGIN
<b>August 26-30</b>	<b>Monday-Friday</b> Change of program period
<b>September 2</b>	<b>Monday</b> Labor Day holiday
<b>September 9</b>	<b>Monday</b> TWELFTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
<b>September 13</b>	<b>Friday</b> Last day to file for December graduation
<b>September 17</b>	<b>Tuesday</b> Opening Convocation-FOUNDERS' DAY
<b>September 18</b>	<b>Wednesday</b> TWENTIETH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees with a late fee
<b>September 23</b>	<b>Monday</b> Second installment payment due
<b>October 12-18</b>	MID-SEMESTER EXAMINATIONS
<b>October 20-26</b>	Homecoming (Tentative)
<b>October 28</b>	<b>Monday</b> Third installment payment due
<b>November 8</b>	<b>Friday</b> Last day to drop classes or withdraw from school with grades of W
<b>November 28-30</b>	<b>Thursday-Saturday</b> Thanksgiving holidays
<b>December 2</b>	Classes resume
<b>December 6</b>	<b>Friday</b> Last day of classes
<b>December 7-13</b>	<b>Saturday-Friday</b> FINAL EXAMINATIONS
<b>December 13</b>	Official closing of semester
<b>December 14</b>	<b>Saturday</b> Commencement Exercises, 9:30 a.m.
	Residence Halls close

<b>Spring 2014 Semester</b>	
<b>November 18, 2013 - January 10</b>	Spring registration period for continuing students
<b>December 6, 2012</b>	<b>Friday</b> Last day to apply for spring admission
<b>January 5</b>	<b>Sunday</b> <b>Urban Academic Village, Tierwester Oaks, Lanier East, University Courtyard, Savoy, Lanier West and other University-Sponsored Housing Locations move-in date per scheduled appointment only</b>
<b>January 6-10</b>	<b>Monday-Friday</b> Orientation and registration period for first-time freshmen and new transfer students
<b>January 10</b>	<b>Friday</b> Last day to pay tuition and fees without a late fee
<b>January 13</b>	<b>Monday</b> CLASSES BEGIN
<b>January 13-17</b>	<b>Monday-Friday</b> Change of program period
<b>January 20</b>	<b>Monday</b> Martin Luther King, Jr. Day holiday
<b>January 27</b>	<b>Monday</b> TWELFTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
<b>February 5</b>	<b>Wednesday</b> TWENTIETH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees with a late fee
<b>February 7</b>	<b>Friday</b> Last day to file for May graduation
<b>February 17</b>	<b>Monday</b> Second installment payment due
	PRESIDENTS' DAY
<b>March 1-7</b>	<b>Saturday-Friday</b> MID-SEMESTER EXAMINATIONS
<b>March 8-14</b>	<b>Saturday-Friday</b> Spring vacation (tentative dates)
<b>March 31</b>	<b>Monday</b> Third installment payment due
<b>April 3</b>	<b>Thursday</b> Honors Day
<b>April 11</b>	<b>Friday</b> Last day to drop classes or withdraw from school with grades of W
<b>May 2</b>	<b>Friday</b> Last day of classes
<b>May 3-9</b>	<b>Saturday-Friday</b> FINAL EXAMINATIONS
	Official closing of semester
<b>May 10</b>	<b>Saturday</b> Commencement Exercises, 9:30 a.m.

<b>First Summer Term 2014(Classes meet 5 days a week)</b>	
<b>April 15 - May 31</b>	Summer term I registration period for continuing students
<b>May 9</b>	<b>Friday</b> Last day to apply for summer term I admission
<b>May 26</b>	<b>Monday</b> Memorial Day holiday
<b>May 27-30</b>	<b>Tuesday-Friday</b> Registration period for new students
<b>May 30</b>	<b>Monday</b> Last day to pay tuition and fees without a late fee
<b>June 2</b>	<b>Monday</b> CLASSES BEGIN
	Change of program (one day)
<b>June 5</b>	<b>Friday</b> FOURTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
<b>June 6</b>	<b>Friday</b> Last day to file for August graduation
<b>June 19</b>	<b>Thursday</b> Juneteenth holiday
<b>June 20</b>	<b>Friday</b> Last day to drop classes or withdraw from school with grades of W
<b>June 23</b>	<b>Monday</b> FIFTEENTH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees with a late fee
<b>July 3</b>	<b>Monday</b> FINAL EXAMINATIONS
	Summer term I closes
<b>Second Summer Term 2014 (Classes meet 5 days a week)</b>	
<b>April 15 - July 5</b>	Summer term II registration period for continuing students
<b>June 21</b>	<b>Friday</b> Last day to apply for summer term II admission
<b>June 30 - July 5</b>	<b>Monday-Friday</b> Registration period for new students
<b>July 3</b>	<b>Thursday</b> Last day to pay tuition and fees without a late fee
<b>July 7</b>	<b>Monday</b> CLASSES BEGIN
	Change of program (one day)
<b>July 10</b>	<b>Thursday</b> FOURTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
<b>July 24</b>	<b>Thursday</b> Last day to drop classes or withdraw from school with grades of W
<b>July 25</b>	<b>Friday</b> FIFTEENTH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees with a late fee
<b>August 6</b>	<b>Wednesday</b> FINAL EXAMINATIONS
	Summer term II closes

**Some specific dates on the above academic calendars may be adjusted without prior notice.**

**The Graduate School and the Thurgood Marshall School of Law have separate bulletins that contain academic calendars for these units.** The calendar presented in this section was designed to include the most students possible in activities and to limit the time missed from classes. Also, for the purpose of planning, the **definition of an academic year, as provided by the U.S. Department of Education, has been used.** This definition follows:

- **An academic year is** a period that begins on the first day of classes and ends on the last day of classes or examinations and that is a minimum of 30 weeks of instructional time during which for an undergraduate educational program a full-time student is expected to complete at least:
  - 24 semester or trimester hours or 36 quarter hours in an educational program whose length is measured in credit hours.
  - 900 clock hours in an educational program whose length is measured in clock hours.
- For purposes of the definition of an academic year, **a week is** a consecutive 7-day period.
- For an educational program using a semester, trimester, or quarter system or clock hours, the Secretary considers a **week of instructional time** to be any week in which at least one day of regularly scheduled instruction, examinations, or preparation for examination occurs.
- For an educational program using credit hours (but not using a semester, trimester, or quarter system), the Secretary considers a week of instruction to be 5 days.
- **Instruction time does not include** periods of orientation, counseling, vacation, or other activity not related to class preparation or examinations.

## ABOUT THIS BULLETIN

The statements set forth in this bulletin are for informational purposes only and should not be construed as the basis of a contract between a student and Texas Southern University. Provisions set forth in publications of individual schools and colleges shall supersede those herein.

Although the provisions of this bulletin will ordinarily be applied as stated, Texas Southern University reserves the right to change any provision listed in this bulletin, including but not limited to academic requirements for graduation, without actual notice to individual students. However, every effort will be made to keep students advised of any such changes. Information concerning changes in policies, procedures, and requirements will be available in the Office of the University Registrar and the offices of the various academic advisors, the academic departments, and the major schools and colleges. **It is especially important that each student note that it is his or her responsibility to be aware of current graduation requirements for a particular degree program.**

This undergraduate bulletin contains information on academic and non-academic policies, procedures, and requirements with which each student must become familiar. Students should consult the Table of Contents for guidance. Provisions in this bulletin will not be valid after August 2018.



## ABOUT THE UNIVERSITY

### MISSION

Texas Southern University is a comprehensive metropolitan university. Building on its legacy as a Historically Black University, the University provides academic and research programs that address critical urban issues and prepare an ethnically diverse student population to become a force for positive change in a global society.

In order to achieve this mission, Texas Southern University provides

- quality instruction in a culture of innovative teaching and learning;
- basic and applied research and scholarship that is responsive to community issues;
- opportunities for public service that benefit the community and the world.

### VISION

Texas Southern University will become one of the nation's preeminent comprehensive, metropolitan universities. We will be recognized by the excellence of our programs, the quality of our instruction, our innovative research, and our desire to be a contributing partner to our community, state, nation, and world.

### ORGANIZATION FOR INSTRUCTION

The University is organized for academic instruction as eleven colleges and schools. The names of these instructional units appear below:

**The Jesse H. Jones School of Business**  
**The College of Education**  
**The Thurgood Marshall School of Law**  
**The School of Communication**  
**The College of Liberal Arts and Behavioral Sciences**  
**The Barbara Jordan - Mickey Leland School of Public Affairs**  
**The College of Pharmacy and Health Sciences**  
**The College of Science and Technology**  
**The Graduate School**  
**The College of Continuing Education**  
**The Thomas F. Freeman Honors College**

### CAMPUSES

Texas Southern University is located in Houston, TX, the fourth largest city in the US and one of the fastest-growing and forward-moving cities in the world. Nestled upon a sprawling 150-acre campus, Texas Southern University is located in the heart of the city in Houston's historic Third Ward, giving its students and faculty easy access to the Museum District, neighboring educational institutions, the Texas Medical Center, City Hall, downtown Houston, and all of the city's major freeways.

The Northwest Campus of Texas Southern University opened in Fall 2010. Texas Southern University partners with Lone Star College System to offer higher level degree programs in Northwest Houston. Currently, Texas Southern University offers nine degree programs and two concentrations at the Northwest Campus.

## REGENTS AND ADMINISTRATION

### BOARD OF REGENTS

Glenn Lewis, Chairman	Fort Worth
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### OFFICERS OF BOARD RELATIONS

Karen Griffin	Executive Director
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### OFFICERS OF ADMINISTRATION

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Janis J. Newman	Chief of Staff
Bryon E. Price	Chair of Faculty Assembly/Senate
Andrew C. Hughey	General Counsel

### OFFICERS OF ACADEMIC ADMINISTRATION

Ronald Johnson	Dean, Jesse H. Jones School of Business
James W. Ward	Dean, School of Communication
Lillian Poats	Dean, College of Education
Dannye Holley	Dean, Thurgood Marshall School of Law
Danille K. Taylor	Dean, College of Liberal Arts & Behavioral Sciences
Robert Bullard	Dean, Barbara Jordan–Mickey Leland School of Public Affairs
Shirlette Milton	Interim Dean, College of Pharmacy and Health Sciences
Lei Yu	Dean, College of Science and Technology
Kingston Nyamapfene	Dean, College of Continuing Education and Assistant Provost for Online/Distance Learning Programs
Gregory Maddox	Dean, Graduate School
Humphrey Regis	Dean of the Thomas F. Freeman Honors College

## POLICIES AND ACCREDITATION

### NOTICE OF NONDISCRIMINATORY POLICIES

Texas Southern University is in compliance with Title VI of the Civil Rights Act of 1964 and does not discriminate on the basis of race, creed, color, or national origin. It is also in compliance with the provisions of Title IX of the Educational Amendments of 1972 which prohibit discrimination on the basis of sex. Further, the University is in compliance with the Americans with Disabilities Act (ADA) of 1990 and with Section 504 of the Rehabilitation Act of 1973 as amended.

It is the policy of the University that sexual harassment as defined in the EEOC Guidelines will not be tolerated among members of the Texas Southern University community. Any complaint of sexual harassment should be reported immediately to the appropriate person designated by the Provost/Senior Vice President for Academic Affairs and Research.

### NOTICE OF NO WEAPONS POLICY

Under Texas Penal Code, Section 46.03, citizens may obtain licenses to carry concealed handguns. However, firearms, fireworks, and explosives of any kind are NOT PERMITTED on the Texas Southern University campus or other state-owned property, except in the possession of state law enforcement officers. Violators will be dismissed from the University and are subject to legal sanctions.

### UNIVERSITY COMMITMENT AND STUDENT RESPONSIBILITIES

#### University Commitment

On June 17, 1973, the Texas Legislature designated Texas Southern University a “special purpose institution of higher education for urban programming.” Subsequent to this mandate, the designation and the University motto of “Excellence in Achievement” were welded in order to formulate the institutional mission. Accordingly, the University is committed to the management of a comprehensive educational curriculum that will render the motto creditable.

#### Student Responsibilities

Texas Southern University provides a student-centered learning environment in which students are afforded opportunities to practice selfdiscipline, to assume responsibilities as maturing adults, and to enjoy certain freedoms. When students elect to enroll at the University, they also accept and agree to abide by the rules, regulations, and policies by which the University is governed. Inasmuch as enrollment is voluntary, acceptance is voluntary. On this basis, students cannot, without great personal liability to their continued association with the University, obstruct, hamper, disrupt, or otherwise interfere with the institution’s attainment of its lawful mission. The institution, therefore, has both the right and the obligation to promulgate rules and regulations designed to promote attainment of its purpose.

### ACCREDITED PROGRAMS

**Texas Southern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate, masters, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions concerning the accreditation of Texas Southern University.**

The College of Education is accredited by the Texas Education Agency, the Texas Workforce Commission, and the Texas Association of Colleges. It also holds membership in the National Council for Accreditation of Teacher Education and is a member of the Association of Colleges for Teacher Education. The Thurgood Marshall School of Law is approved by the State Board of Law Examiners, is accredited by the American Bar Association, and holds membership in the American Association of Law Libraries.

The College of Pharmacy and Health Sciences is accredited by the American Council of Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy.

In the College of Liberal Arts and Behavioral Sciences, the Social Work Program is accredited by the Council of Social Work Education, and the Dietetics Program is accredited by the American Dietetic Association.

Four of the programs in the College of Science and Technology hold special certification and/or accreditation: the chemistry program is certified by the American Chemical Society; the electronics engineering technology program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC of ABET); and the industrial technology and airway science programs are accredited by the National Association of Industrial Technology (NAIT).

## COLLEGE OF CONTINUING EDUCATION (COCE)

### OVERVIEW

The Texas Southern University Weekend College and Division of Continuing Education was renamed the College of Continuing Education by the Board of Regents on June 3, 1994; this alteration marks one of the most significant changes in the unit since it was created in 1973 as the Weekend College.

In 1973, the Texas Legislature recognized Texas Southern University as a “special purpose institution of urban programming.” Considering the history of Texas Southern University and the former Weekend College, the charge for the College of Continuing Education is to continue the legacy of responding pro-actively to challenges from the state, city, and the University community.

The role of the College of Continuing Education is to provide programs and services that affirm the community service element of the University’s mission. Operationally, the College of Continuing Education is Texas Southern University’s administrative unit for delivering non-credit courses. More specifically, this academic unit is designed to meet identifiable community needs in lifelong learning and professional development by providing educational opportunities for all citizens.

### MISSION STATEMENT

To act as an agent through which our community may acquire continued knowledge and skills that enhance their ability to enter and remain fully engaged in the job market and enjoy lifelong learning.

### ADMISSION INFORMATION

Applicant demographics include:

1. TSU students seeking (the online function resides in a different part of the university, and COCE simply taps into that) alternative pathways to degree completion, especially where online options exist
2. Working students seeking professional and/or personal enrichment
3. Working students seeking non-traditional, evening and weekend-course offerings
4. Military personnel and veterans seeking to utilize their educational benefits

An applicant’s eligibility to enroll in the Weekend College credit courses is governed by the same criteria for admissions into the University and the following criteria:

1. You have a high school diploma or GED
2. You are not on active scholastic or disciplinary dismissal from any institution of higher education
3. You possess the prerequisites listed for the course for which you intend to register (see Course Prerequisites as specified by departments)
4. You have satisfied the THEA requirements (if applicable)
5. You are in good financial standing and have no active holds with the University

### DEGREE OFFERINGS

The course offerings for the Weekend College now lead to degrees in the following areas: (1) Bachelor of Arts Degree in Radio/Television/ Film, (2) Bachelor of Arts Degree in Mass Communications, (3) Bachelor of Business Administration in Management, (4) Bachelor of Science in Administration of Justice, and (5) Bachelor of Arts in General Studies.

### OTHER TYPES OF OFFERINGS

#### Continuing Education Units

Texas Southern University’s College of Continuing Education is committed to establishing and fostering relationships with organizations who share our commitment to the community by offering or partnering in conferences and/or workshops in which we will offer CEU credits, the following parameters must be addressed:

- Submission of a letter of request along with a complete copy of the conference/workshop information.
- Submission of a copy of the biographical information of the presenter(s), including licenses and degrees held.

In the event the College of Continuing Education agrees to issue CEUs for a conference/workshop we must receive the following:

- A copy of the conference/workshop sign-in sheet for the day(s) of the event.
- The total contact hours to be offered.
- A list of names for the certificates along with the contact hours and CEU units to be issued per CEU participant.

The COCE will offer a wide variety of workshops and educational seminars for Continuing Education Unit (CEU) credits.

### **Certificate Programs and Preparation for Professional Qualifications**

#### **Pharmacy Technician Program**

This comprehensive 50 hour course will prepare students to enter the pharmacy field and to take the Pharmacy Technician Certification Board's PTCB exam. Course content includes medical terminology specific to the pharmacy, reading and interpreting prescriptions and defining drugs by generic and brand names. Students will learn dosage calculations, I.V. flow rates, drug compounding, dose conversions, dispensing of prescriptions, inventory control, billing and reimbursement.

#### **Dental Assistant Program**

The dental assistant program covers key areas and topics exposing students to both classroom and hands-on instruction. The classroom instruction reviews the necessary anatomy, terminology, legal and ethical issues as well as the policy and guidelines necessary to understanding the scope of practice and the practical aspects of dental assisting. Topics include: instrument identification, equipment maintenance, tooth structure and oral cavity anatomy, dental anesthesia, sterilization, and charting. Program includes: review of tooth charting, restorations, bridge implants, bitewing, panoramic, and periapical x-ray and the mixing of dental cements. Additionally, this 100 contact hour course includes a CPR certification course and covers the relevant material necessary to prepare students to take the State of Texas "TSBDE" Dental Assisting exam offered throughout the State of Texas.

#### **Customer Service Certification Program**

Customer service has become the major differentiating factor in the competitiveness of businesses. Texas Southern University is already playing an important role in showing the Houston business community the benefits of good customer service training through programs offered to executives, management level personnel and frontline employees. We provide the opportunity to obtain a customer service certification issued by Texas Southern University's COCE. Certification will require attending a two-day course along with satisfactory completion of a summative assessment. All successful participants will be issued an official Texas Southern University certificate.

#### **Certified Project Manager Program**

Considering that 75% of all projects fail due to poor project management, PMPs are considered mission critical organizational assets by the companies who employ them. Recently the federal government mandated any projects receiving government funding need to have certified project managers and most businesses in every industry with any level of success require their project managers to be certified. Certified project managers understand how to set up and execute projects so they are completed on time, use less resources to do so, better manage the risks encountered, and achieve a far better outcome. A person who holds the globally recognized credential of the Project Management Professional (PMP) or the Certified Associate of Project Management (CAPM) as awarded by the Project Management Institute through the COCE is highly sought after. Even during the toughest economic downturns, corporations continue to hire project managers,

#### **Conversational Spanish Courses**

There is a real need among residents of this state in which over 25% of the population speaks Spanish as their first language, for those in the services sector to have a working knowledge of Spanish. People with even a minimal level of understanding enhance their chances of getting hired into key positions. Through the COCE this course will offer students the following:

- The ability to save time and money with an increased understanding of a client's or customers' native language.
- A chance to create more opportunities for professional development.
- A better cultural understanding of Spanish speaking individuals.
- An even better understanding of English as many English words have Latin roots.

## **Enrichment Programs**

For more than two decades now, the COCE has run an ever popular and highly sought after Your Enrichment Program (YEP). The College is now expanding its offerings in that area, by broadening the mix of programs for youth and also making available new enrichment programs intended for the adult population. Listed below are examples of the major ones.

### **Youth Enrichment Program**

In existence since 1997, the YEP is a six-week comprehensive academic/recreational program for elementary and secondary school students. The program offers core academic courses (Reading, Math, and Science) as well as recreational classes designed to promote self-esteem and self-improvement. YEP provides students with specific class offerings to help reinforce academic and social skills for the next school year. All academic classes are taught by certified teachers from the greater Houston area and selected college professors from TSU.

In a continuous effort to meet community needs, the COCE may offer new certificate, enrichment and recreational programs that may not be listed above. Please contact our office at 713-313-7224, to receive updated information.

## **THOMAS F. FREEMAN HONORS COLLEGE**

In our global community in which the future of each society is linked to the future of the other, the Thomas F. Freeman Honors College at Texas Southern University has an essential commitment: preparing the next generation of citizens and leaders of the world.

At the foundation of the Honors College is the recognition of the power of education in the cultivation of this new generation. The College has developed a program that combines a strong foundation in the liberal arts and sciences; optimum achievement in an academic, artistic and/or professional specialty; and the enrichment of the foundations and achievement with preparation for a career, further study, and global citizenship and leadership.

The product of this education is a graduate who is accomplished in his or her specialty; is connected and dedicated to his or her principal community; is well integrated into the national and global communities; secures the best from and contributes the best to each of these communities; and supports and leads the integration of them.

## **GUIDING PRINCIPLES**

The Thomas F. Freeman Honors College upholds the motto of Texas Southern University: Excellence in Achievement. The College also seeks to make its own stamp on the character of its students by requiring them to hold five major Core Values – Honesty, Integrity, Creativity, Excellence and Community.

In addition, the College seeks to cultivate students into observers of the principles that guided relationships in one of the greatest civilizations of ancient times and should guide relationships today. These Seven Principles for the Age of Globalization and Globalism include Truth, Justice, Propriety, Harmony, Balance, Order and Reciprocity.

The Core Values give focus and direction to the achievement of Excellence by students within themselves. The Seven Principles give focus and direction to their achievement of Excellence in all of their relationships.

## **EXPECTATIONS OF SCHOLARS**

Students in the Thomas F. Freeman Honors College must meet a number of expectations to maintain their status as scholars in the College and continue to receive assistance from it. These expectations are in academic performance, College participation, and personal conduct.

Each semester, students must pass at least 15 semester credit hours with a C or better (with a grade of B or better in Honors College program courses), achieve a semester grade point average of at least 3.25, and maintain an overall grade point average of at least 3.25. They also must attend the co-curricular and other activities the College organizes or endorses. In addition, they must uphold the Core Values in individual behavior, and observe the Seven Principles in their relationships with people in all arenas – the College, University, local, national and global communities.

## COLLEGE ACADEMIC PROGRAM

The Thomas F. Freeman Honors College has developed a cutting-edge academic program that combines strong institutional foundations; an Honors College core that includes three themes and computer skills; accomplishment in an academic, artistic and/or professional specialty; and integration of the foundations, core, and specialty in an end-of-program activity that forms a bridge to a career, further study, and global citizenship and leadership.

The institutional foundations come from the general education curriculum of the University. They emphasize the fundamentals in such areas as language, mathematics, science, the arts and humanities, and the social sciences.

The Honors College core includes three themes, as well as computer skills, all specifically designed to prepare students for their roles as educated global citizens and leaders.

The Interdisciplinarity theme includes multidimensionality (the understanding of the many aspects of subjects) and interdisciplinarity (the integration of insights from many specialties in the understanding of subjects). The Local/National/Global theme has a focus on the locating of subjects (people, phenomena or ideas) within integrated local, national and global contexts. The Ethics/Aesthetics/Philosophy theme includes ethical, aesthetic and philosophical ideals that may guide study and life around the world (including the Seven Principles for the Age of Globalization and Globalism).

The academic core also includes special computer skills: the utilization of computers in research; the preparation of multimedia reports, presentations and portfolios; and the dissemination (using traditional means as well as the Internet) of these reports, presentations and portfolios.

In their specialties at the junior and senior levels, students apply the ideas and skills of the Honors College core, thus exceeding the command of their specialties that their non-honors peers may achieve.

The end-of-program activity includes an internship or a research/creative/professional project. The results students produce – their reports, creative works, or professional productions – help them in their pursuits of career opportunities, as well as in their applications for admission into graduate or professional programs.

The outputs from the project or internship also allow students to demonstrate their abilities as young professionals who are accomplished in their specialties, committed to their local communities, well integrated into their national and global communities, and observing of the Seven Principles for the Age of Globalization and Globalism.

The Thomas F. Freeman Honors College continues to develop the course and progression requirements of scholars in its program. These details are on the Web site of the College, at <http://www.tsu.edu/honorscollege>.

## ADMISSION REQUIREMENTS

Since it is one of the premier units in Texas Southern University, the Thomas F. Freeman Honors College has special requirements for admission, retention and graduation. The requirements for admission reflect the emphasis on Excellence in Achievement in the College in particular and the University in general.

High school seniors who seek admission into the College, at a minimum, should have:

- a Grade Point Average of 3.5 or higher (on a 4.0 scale); and, ideally,
- an ACT composite score of 23 or above but preferably 24 or above, with at least 19 in each of the Verbal and Mathematics sections on the same test date; or
- an SAT combined score of 1070 or above but preferably 1200 or above in Mathematics and Critical Reading, with at least 500 in each subject on the same test date.

The College may offer conditional admission to high school applicants who meet the GPA requirements but not the SAT or ACT requirements, but these students must meet requirements for the regular admission of continuing TSU freshmen at the end of their first year at the University.

Students continuing in or transferring to Texas Southern University, at a minimum, should have:

- (a) achieved a GPA of at least 3.5 overall, and in each of the two semesters before they enter the College;
- (b) passed at least 15 college credit hours with a C or better in each course in each of the two semesters before they enter the College.

Transfer students who meet these requirements may receive invitations to seek admission into the Honors College after they receive admission to the University. They also may submit applications directly to the College, then receive offers of admission into the College after they receive admission into the University.

## APPLICATION PROCEDURE

Students should be careful to submit the application information and materials appropriate to them.

High school seniors should submit the following:

- (a) the completed application form, available at <http://www.tsu.edu/honorscollege>;
- (b) copies of their high school transcripts (official copies go to the Office of Admissions with their applications for admission into Texas Southern University);
- (c) copies of their ACT or SAT score reports;
- (d) three recommendations (in sealed envelopes) – from teachers in English, Mathematics and one of the sciences;
- (e) an essay (about 300 words) on why they wish to study at, and receive financial assistance from, the College.

Continuing and transfer students should submit the following:

- (a) the completed application form, available at <http://www.tsu.edu/honorscollege>;
- (b) their unofficial transcripts (obtained from the web sites of their universities);
- (c) an essay (about 300 words) on why they wish to study at, and receive financial assistance from, the College.

Applicants should send materials to the Associate Dean for Academic Affairs, Thomas F. Freeman Honors College, Robert J. Terry Library, Lower Level, Texas Southern University, 3100 Cleburne Street, Houston, TX 77004.

The application deadlines are: for high school seniors, March 31; for continuing and transfer students, May 31.

## HONORS COLLEGE SCHOLARSHIPS

The Thomas F. Freeman Honors College uses the limited funds at its disposal to award scholarships to its students. For these competitive awards, students should submit their application forms and supporting documents early, and before their respective application deadlines. They also should make sure that their personal statements and letters of recommendation make strong cases for their receipt of the awards. In addition, students who seek scholarships from the Honors College should expect to receive consideration for these scholarships only after they have submitted their completed Free Application for Federal Student Aid (FAFSA) forms.

The principal categories of scholarships for high school students, and their requirements and financial awards, are:

	REGULAR ADMISSION		CONDITIONAL ADMISSION
	ACT = AT LEAST 27* or SAT = AT LEAST 1400**	ACT = 23 – 26* or SAT = 1070 – 1399**	ACT less than 23* or SAT less than 1070**
GPA = 3.75 – 4.00	CATEGORY 1: \$6,000	CATEGORY 2: \$5,000	CATEGORY 7: \$1,000
GPA = 3.60 – 3.749	CATEGORY 3: \$5,000	CATEGORY 4: \$4,000	CATEGORY 7: \$1,000
GPA = 3.50 – 3.599	CATEGORY 5: \$4,000	CATEGORY 6: \$3,000	CATEGORY 7: \$1,000
VALEDICTORIAN	Additional \$1,200	Additional \$1,200	No additional award
SALUTATORIAN	Additional \$1,000	Additional \$1,000	No additional award

\* Composite Score

\*\* Mathematics and Critical Reading Scores



For the high school valedictorian, the highest award from the College will be \$7,200, and the lowest will be \$4,200. For the high school salutatorian the highest will be \$7,000, and the lowest will be \$4,000. For the student with regular admission, the highest award will be \$6,000 and the lowest will be \$3,000. Students with conditional admission receive a \$1,000 award, which the College may be able to increase if they secure regular admission after two semesters and if the College has the funds to pay for this increase.

In addition to awards from the Honors College, students may secure help from a number of other sources.

- A. For residents of Texas, state sources include:
  1. the Texas Grant, which, in general, pays for tuition and fees; and
  2. the Top Ten Percent Scholarship, for applicants in the top 10 percent of their graduating classes.
- B. For residents of all states, sources include the federal Pell Grant and private philanthropic organizations. The Honors College also may recommend that non-resident students receive out-of-state tuition waivers (about \$9,300 for students taking the minimum of 15 credit hours the College requires students to take each semester).

Honors College students also may apply for awards from their academic units, and from specialized programs such as Athletics. Details are at <http://em.tsu.edu/financialaid/scholarships/departmentalscholarships.php>.

The total value of the scholarship and financial aid packages students receive depends on the number of sources from which they seek awards and the information they provide to these sources. Students who seek scholarships from the College must fill out and submit the Free Application for Federal Student Aid (FAFSA) form, because the sizes of their total packages depend on information they provide in the FAFSA. It also is extremely important that they use all available sources of financial assistance. For information on these sources, visit the web site of the Office of Student Financial Aid at <http://em.tsu.edu/financialaid/index.php?submenu=aid>.

### **Residential vs. Commuter Students**

The College awards two groups of scholarships on the basis of whether students live on or off campus:

- (a) **residential** scholarships go to students who choose to live on campus;
- (b) **commuter** scholarships go to students who choose to live off campus.

### **Admission and Assistance Application Procedure**

Students receive financial assistance from the College after they receive admission into the university and the College. They ideally would file their applications for the assistance from the College at the time they file their applications for admission into the College.

Students attending high school or another college or university, who meet admission requirements of the College, follow these steps:

- a. apply for admission into the university;
- b. receive an offer of admission from the university;
- c. receive an invitation to apply for admission into the Honors College (**not absolutely necessary**);
- d. submit the special application for admission into and assistance from the College;
- e. receive responses to their applications for admission (and for assistance) from the Honors College.

Students attending Texas Southern University gain admission into the College through these steps:

- a. receive an invitation to apply for admission into the Honors College (**not absolutely necessary**);
- b. submit the special application for admission into and assistance from the College;
- c. receive responses to their application for admission (and for assistance) from the Honors College.

### **Admission and Scholarship Deadlines and Priorities**

The Honors College gives the greatest priority to admitting and supporting first-semester freshmen who enter the college immediately after their senior year in high school – especially those who apply for Honors College admission and an Honors College scholarship before March 31. The College considers admitting other students and providing scholarships to them only after it has offered admission and given awards to high school seniors. The table below shows the deadlines and priorities for different categories of students:

APPLICANT CATEGORY	DEADLINE FOR APPLICATION	DEADLINE FOR NOTIFICATION	PRIORITY
High School Students *	Mar. 31	May 31	1 (HIGHEST)
Freshmen (planning to continue at TSU) *	May 31	June 30	2 (SECOND)
Freshmen (planning to transfer to TSU) *	May 31	June 30	2 (SECOND)
Sophomores (planning to continue at TSU) *	May 31	June 30	3 (THIRD)
Sophomores (planning to transfer to TSU) *	May 31	June 30	3 (THIRD)
Returning Students (no academic difficulty)	June 30	July 31	4 (FOURTH)
Returning Students (with academic difficulty)	June 30	July 31	5 (LOWEST)
* will enter the College in next fall semester			

### Conditions of Acceptance of Awards

A student receives a scholarship through the Thomas F. Freeman Honors College with certain conditions. One is that the student should first enroll in Texas Southern University in the fall semester of the academic year the scholarship covers. Another arises from financial aid policies: Federal and state financial aid programs require that students not receive financial aid in excess of their financial need, as determined by the Free Application for Federal Student Aid (FAFSA), which all applicants should fill out and submit. The University considers the Honors College scholarship to be part of a total financial aid package. Thus, the Office of Student Financial Assistance will determine whether the award from the Honors College necessitates a revision of the financial aid package. This revision may result in the adjustment of the Honors College award.

### FACULTY ADMINISTRATORS IN THE HONORS COLLEGE

<p><b>Freeman, Thomas F.</b> Dean, Emeritus (Professor, Dept. of Psychology) B.A., Virginia Union University B.D., Andover-Newton Theological School Ph.D., University of Chicago</p>	<p><b>Kossie-Chernyshev, Karen L.</b> Interim Assistant Dean for Academic Affairs (Professor, Dept. of History, Geography and Economics) B.A., M.A., Rice University M.A., Michigan State University Ph.D., Rice University</p>
<p><b>Jemison Pollard, Dianne F.</b> Associate Dean for Academic Affairs (Professor, Dept. of Visual and Performing Arts) B.A., Fisk University M.A., University of Wisconsin M.F.A., The Catholic University of America Ed.D., Texas Southern University</p>	<p><b>Regis, Humphrey A.</b> Dean (Professor, Department of Journalism) Certificate, Saint Lucia Teachers College B.A., University of the District of Columbia M.A., University of Maryland at College Park Ph.D., Howard University (Mass Communication)</p>
<p><b>Ratliff, Candy H.</b> Assistant Dean for Student Services (Assistant Professor, Dept. of Counselor Education) Certificate, Cyril Potter College of Education B.A., Texas Southern University M.A., Texas Southern University Ed.D., Texas Southern University</p>	

## THE ROBERT JAMES TERRY LIBRARY

The Robert James Terry Library supports the academic and research mission and vision of the University through the development of relevant resources and educational services designed to enhance and facilitate learning and research, enriching information literacy skills - life long learning - in the information age. The library provides dedicated librarians and staff who provide reference and research assistance, consultation, and instruction.

The principal research resources consist of over 261,505 volumes of print materials and media, over 1,774 print journals and more than 504,149 microforms. The library provides web-based access to a large number of electronic research resources, including over 260 electronic databases, over 79,557 full text e-journals, and five collections totaling approximately 100,735 e-books, most of which are also accessible from off campus. These resources are housed in a building with approximately 135,000 square feet of seating space accommodating approximately 687 users. To augment study, a number of closed study rooms and individual study carrels are provided on most floors. With the exception of Special Collections, the library maintains open stacks. Materials are classified using the Library of Congress Classification System as presented on the Library of Congress website.

The five-story Terry Library provides seven major public access service areas: Reference, Circulation/Reserve, and Special Collections on the first floor; the Serials Department on the second floor; the Learning Resources Center on the third floor; the Business and Economics Library on the fifth floor; and the Pharmacy Reading Room on the first floor of the Gray Hall pharmacy building.

The Library has four Circulating Collections. All materials classified according to the Library of Congress Classifications A-K are located on the third floor; Classifications L-Z are located on the fourth floor; Classifications HB-HJ are located in the Business and Economics Library on the fifth floor; and the paperback collection is located on the first floor in the Heartmen Collection.

Access to library resources is available on the Web. The Library Catalog is linked to the Texas Southern University website. Online public access terminals are located on the first floor in the Catalog Alcove, on the second floor in the Serials Department, and on the fifth floor in the Business and Economics Library.

The Library provides a variety of services such as bibliographic instruction, Ask A Librarian, information services, borrowing, faculty reserves, My Account, and interlibrary loan and document delivery. Distance Learning Services (SeE Terry Library Webpage: <http://archive.tsu.edu/pages/4398/>) and reciprocal borrowing from TexShare libraries are available for currently enrolled students, and faculty and staff are eligible to borrow materials directly from most Texas state colleges and universities. Additional information regarding this service may be obtained from the Terry Library Circulation/Reserve Desk (713-313-714). Other services offered include photocopying; free scanning; study areas; study carrels; laptop computing; lockers; and services for persons with disabilities. For more information (SeE Terry Library web page: [http://www.tsu.edu/academics/Robert\\_J\\_Terry\\_Library/](http://www.tsu.edu/academics/Robert_J_Terry_Library/))

Finally, one of the unique features of the Library is its Department of Special Collections, housing the “treasures” of the University. These unique holdings provide a varied repository of collections with international significance. The collections include **The Barbara Jordan Archives, The Traditional African Art Gallery, The Heartman Collection on African American Life and Culture, and The University Archives.**

## THE OFFICE OF INFORMATION TECHNOLOGY (OIT)

The Office of Information Technology (OIT) managed by Texas Southern University provides a robust, cost-effective, user-friendly and secure information and instructional technology environment for the University community in support of the institution's vision, mission and core values. The office also has organized information technology support throughout the University to provide the leadership, guidance and technical skills required to establish and support the information technology architecture and accompanying services.

Its mission has been accomplished by taking a leadership role in university-wide strategic planning for information systems, creating user involvement, and recommending innovative uses of technology to meet the needs of the University. The OIT office works to expand and enhance the quality and quantity of information technology services. These services include administrative computing, Web content management services, database administration, network services, and the management of the University's customer service support. Additionally, it plays a vital role in facilitating the University's utilization of technology to improve services to the public at the lowest cost. OIT responsibilities related to these services fall within the following domains:

- **Information Technology Staff.** The Office of Information Technology includes SunGard Higher Education on-site staff, SunGard Higher Education corporate support, and University administrative staff.
- **Information Technology Resources.** OIT maintains information on supported hardware, software site licenses, cost-savings opportunities, customer service support, Web content management services, user group activities, project management, and training. The Office also works with consultants to identify and provide appropriate IT information to meet campus needs.
- **Infrastructure Services.** Infrastructure services are an array of utility, back office or foundation services including data, voice and video distribution networks, and administrative applications, which benefit institution-wide coordination.
- **Consulting and Expert Liaison.** OIT provides advice and consulting service on the implementation and use of computing, Web, and communication technologies. Departmental collaborations establish a pipeline for technical leadership and expertise in emerging technologies.

### User Services

Telecommunications and Network Services, sub-units of Network Communications, have the primary responsibility of maintaining the administrative Sun/Solaris clusters and campus network (which includes LAN, WAN, and VPN), resolving operating system issues, maintaining PBX services, installing phone lines, setting up user accounts, resolving network performance problems, providing analysis and recommendations on new or emerging technologies, and providing planning assistance to campus management and the governance committee on information resource issues.

Specific user services are also provided directly to the user. This unit is divided into three areas: Customer Service Support, Academic Computing, and Desktop Support. The services provided include user customer service support, desktop support, training, documentation preparation, and evaluation and recommendation of desktop computing solutions.

Customer Service Support serves as the central contact point for users regarding academic and administrative information systems, networking, data communications, and desktop computing. Academic Computing is responsible for planning, implementation, and support of the computing needs for the academic units of the university. Specifically, it provides assistance in selection and implementation of appropriate personal computer hardware and software needed for faculty, students, and academic offices.

The Academic Computing area also provides on-going training for faculty and staff. This training is provided every academic semester and involves the use of existing equipment to perform tasks using software packages found in the TSU computing environment. Similar training is also provided to students and involves skill development in these same areas. Academic Computing also assists faculty members in the instructional environment. Specifically, it provides training to students within the classroom environment on the use of discipline-specific technology. This mainly includes both hardware and software use.

### Web Services

The Office of Information Technology manages the University corporate Web presence through its Web Services Division, which includes hosting, security, software licenses, maintenance, technical support, content management training, project management, Web development, and contract oversight.

## **THE OFFICE OF VETERAN AFFAIRS RESOURCE CENTER (VRC) AND THE RESERVE OFFICERS' TRAINING CORPS (ROTC) PROGRAMS**

The Office of Veteran Affairs Resource Center functions as part of the Division of Student Services and supports the educational process of servicemen/women and veterans of the Armed Forces of the United States, their spouses and/or dependents whom are eligible for educational benefits at the University. Basic educational eligibility requirements include the DD214 (Copy 4), military transcript (SMART or AARTS), and Certificate of Eligibility (COE) from the Department of Veterans Affairs. The Center's primary mission is providing counseling and assistance to facilitate acquiring educational benefits from the Veterans' Administration (VA) and Texas Veterans Commission (TVC) programs and advisement for the Reserve Officers' Training Corps (ROTC) Programs of the U.S. Army, U.S. Air Force, U.S. Navy, and U.S. Marine Corps.

The Veterans Affairs Resource Center (VRC) (ICW SB 1538) provides numerous programs to assist with the transitional processes involved with our returning veterans and their families. TSU also has a certified post-traumatic stress disorder (PTSD), military sexual trauma (MST) and traumatic brain injury (TBI) facilitator in the Center along with assistance from the University Counseling Center and pending partnership with the PTSD Clinics at Riverside and the VA Medical Hospitals. Opportunities exist for employment with the VA Federal Work-study program and career resources through the TSU Career Services Department. Community Service projects also exist yearly along with a forthcoming campus Student Veterans of America (SVA) chapter. To inquire about any benefits, programs, or resource assistance, please contact us at (713)-313-7862/7327 or via e-mail at [veteransaffairs.tsu.edu](mailto:veteransaffairs.tsu.edu) or [johnsont@tsu.edu](mailto:johnsont@tsu.edu). You may also find information at [www.tsu.edu/veteransaffairs](http://www.tsu.edu/veteransaffairs), TSU Office of Veterans Affairs Facebook page and TSUOVA Twitter account or through the Department of Veterans Affairs website at [www.va.gov](http://www.va.gov).

### **ARMY ROTC PROGRAM**

The U.S. Army ROTC program exists as a series of college elective courses and field training activities which, when successfully completed, leads to a commission as a second lieutenant in the active U.S. Army, the U.S. Army National Guard, or the U.S. Army Reserve. Military science courses are taken in conjunction with academic course loads. Participants must be full-time students to enroll in Army ROTC, and their securing of Army commissions is entirely separate from the pursuit of academic degrees. Participants may pursue those academic degrees which are offered by the various schools and colleges of the University; however, no degrees are offered in military science.

Most ROTC cadets first enroll in the two-year Basic Course (with no military obligation incurred), followed by enrollment in the two-year Advanced Course. Veterans may receive credit for the Basic Course and may earn commissions by enrolling in ROTC for two academic years in conjunction with the completion of one six-week summer camp. Four-year and three-year Green to Gold scholarship winners are also required to participate in the Basic Course military science courses. A baccalaureate degree must be conferred in order for a participant to return to active duty as a commissioned officer or to participate as a second lieutenant in the Reserve Forces.

There are monetary benefits to be derived from participation in the ROTC program. For each month of enrollment in the Advanced Course, participants will receive an allowance of \$150.00 up to \$1,500.00 per year for each of its two years. Participants are also paid for attending the six-week summer camp, usually between the junior and senior years of enrollment. Participants will also retain and receive all educational benefits earned while on active duty, even if they receive ROTC scholarships.

In the ROTC program, participants are not members of the Active Army, so they earn no Active Army benefits. As a Green-to-Gold scholarship cadet, participants may not be in a Reserve Component; however, a two-year Green-to-Gold non-scholarship cadet may be in a Reserve Component. For the latter case, participants will be entitled to reserve pay and certain benefits.

To obtain detailed information on all scholarships available to students participating in the U.S. Army ROTC program, including the Green to Gold scholarships, call (713)-743-3875 or go on-line at [www.uh.edu/rotc](http://www.uh.edu/rotc).

### **AIR FORCE ROTC PROGRAM**

The Air Force Reserve Officer Training (ROTC) program prepares men and women of character, commitment, and courage to assume leadership positions as commissioned officers in the active duty United States Air Force. Upon completion of the curriculum, students will have a thorough understanding of the core values, leadership, teamwork, and other requirements to be an effective officer in the world's greatest Air Force. Although registration for these classes is done through Texas Southern

University, the actual courses and physical training sessions take place at the University of Houston. Flight orientation occurs at airports in the Houston metropolitan area. For more information on the Air Force Science program, contact the Air Force Science Department at the University of Houston by calling 713-743-4932 or going on-line at [www.uh.edu/afrotc](http://www.uh.edu/afrotc).

### **Course Credit**

ROTC classes may be taken for elective credit toward any degree offered at Texas Southern University. Freshman and sophomore level classes are open to all students. No military obligation is incurred as a result of enrollment in these courses. Junior and senior level courses are more restrictive and do require a military obligation. ROTC scholarship students also incur a military obligation.

### **Four-Year Program**

The General Military Course (GMC) is the first half of the four year ROTC program and is taken during the freshman and sophomore years. This program allows the student to experience Air Force ROTC without obligation (unless the student is on an Air Force ROTC scholarship). Each semester of the GMC consists of one classroom hour of instruction as well as Leadership Laboratory once each week. During the first two years, the student will learn about the Air Force and the historical development of aerospace power. During the summer preceding the junior year, the student will compete for the opportunity to attend a four-week Field Training Unit. Successful completion of field training is mandatory for entrance into the Professional Officer Course (POC), the junior and senior years of the four year program. As a junior, the student will study the core values, leadership, teamwork, and management tools required to become an effective Air Force officer. During the senior year students study the national security policy process, regional and cultural studies, and complete final requirements for commissioning as second lieutenants.

### **AFROTC Scholarship Opportunities**

Air Force ROTC offers various scholarship opportunities for students at Texas Southern University. The Express Scholarship Program is operated on a fully qualified basis; those who meet the qualifications are awarded the scholarship. Students who are fully qualified are eligible for a **non-competitive** scholarship up to 3.5 years. The express scholarship pays up to \$15,000 tuition per year and \$900 per year for books. Minimum qualifications to be eligible for this scholarship include attaining a minimum cumulative GPA of 2., and successfully passing the physical fitness test and the Air Force Officer Qualifying Test. The processing of the scholarship award is completed at the local detachment.

### **Stipend**

All AFROTC scholarship recipients and POC cadets receive a nontaxable monthly stipend. The annual stipend amount ranges from \$2,000 per year to \$4,000 per year depending on the recipient's enrollment year.

### **Flight Orientation Program**

All cadets can volunteer to participate in a joint Air Force ROTC/Civil Air Patrol flight orientation program. This program consists of eight flights, four in the front seat of a small passenger aircraft and four additional flights in the back seat as an observer. In addition, an abbreviated flying ground school course is taught in the ROTC classrooms using FAA textbooks. The flight orientation and ground school course are both free for all cadets.

### **Physical Fitness Training**

Cadets meet two times per week at 0600 at the University of Houston Alumni Center to perform physical fitness training. The training is mandatory and emphasizes push-ups, sit-ups, and running in order to pass the USAF physical fitness test. Although registration for these classes is done through Texas Southern, the actual courses and physical training sessions take place at the University of Houston. Flight orientation occurs at airports in the Houston metropolitan area. For more information on the Air Force Science program, contact the Air Force Science Department at the University of Houston by calling 713-743-4932 or going on-line at [www.uh.edu/afrotc](http://www.uh.edu/afrotc).

## **U.S NAVY/MARINE CORPS ROTC**

Students interested in opportunities with the US Navy or Marine Corps ROTC should contact 713 348-4825/3928.

Of special note, students who participate in the ROTC Programs at Texas Southern University are also cross-enrolled at the University of Houston (A/AF) or Rice University (N/MC).

## Texas Hazelwood Act

Information and the application for the Hazelwood Act can be found at

<http://collegeforalltexans.com/index.cfm?objectid=6D14A588-F337-DE9F-C34472E57102FA06>

Current and prospective students are encouraged to begin the application processes and submission for any veterans' benefits at least 45 days prior to enrolling to prevent payment delays.

## Veterans Tuition Rebate

Beginning in Fall 2012, Veterans have the opportunity to receive a \$1000 tuition rebate upon completion of their undergraduate degree. Please see or contact the TSU Office of Veteran Affairs for more information

## ADMISSION REQUIREMENTS, ENROLLMENT INFORMATION, AND ACADEMIC REGULATIONS

### Undergraduate Admissions Requirements by Categories

**Texas Southern University is an accredited higher education institution that provides equal educational opportunity.**

Entering freshman applicants must have earned an overall "C" average (2.5 GPA on a 4.0 scale) in high school. All entering freshman applicants must submit either ACT or SAT scores. All entrants must meet the Texas Success Initiative requirements outlined below, with a minimum combined SAT critical reading/math test scores of 820 or an ACT composite test score of 17.

Candidates for undergraduate admission must identify the appropriate category below and follow the indicated steps:

- **(I) Citizens of the United States with diplomas from accredited high schools, GED equivalents, or equivalent examinations from foreign countries that attest to the fact that they have attained the high school standard and who have never before enrolled for college credits must**
  - A. Submit an application to Texas Southern University, Office of Undergraduate Admissions (at 3100 Cleburne Street; Houston, Texas 77004-998, or electronically at [www.applytexas.org](http://www.applytexas.org)).
  - B. Submit the required non-refundable application fee.
  - C. Submit an official transcript from an accredited high school that (1) includes the date of graduation, (2) the student's class ranking, and (3) for Texas high school graduates, indication of successful completion of either the Texas Assessment of Academic Skills (TAAS) examination or the Texas Assessment of Knowledge and Skills (TAKS) examination and completion of the Recommended or Advanced High School Program if the student's graduation date is on or after May 2011, **or**
  - D. Submit an official GED Test Report that includes a minimum score of 40 on each part of the GED test, **or**
  - E. If A home-schooled student, submit directly from the parent school district, an official assessment to the Office of Undergraduate Admissions for use in grade placement and/or awarding of credit. The school district must assess course mastery inasmuch as such students do not earn diplomas from the State of Texas. All Texas residents must also submit the Texas Private High School Certification completed by the high school counselor or school official.
  - F. Submit either ACT or SAT scores.
- **(II) Citizens of the United States who have attended another college or university prior to seeking admission to Texas Southern University must**
  - A. NOTE: If a permanent resident of the United States, submit certified copies of both front and back sides of his or her federal Permanent Resident Card along with the application for admission.
  - B. Submit the required, non-refundable application fee. Submit an official transcript from each college or university previously attended. Transcripts should be sent from the issuing institution(s); however, they may be hand-carried and delivered in an envelope bearing the unbroken seal of the issuing institution(s). To be considered and/or evaluated, transcripts MUST contain the following:

1. The seal and signature of the registrar of the issuing institution
2. The transcript(s)' date of issuance

A transcript evaluation is completed only when all transcripts and the application fee have been received. Evaluations are done on a first-come-first served basis. During periods of registration, evaluations generally require five (5) to seven (7) working days for processing. **NOTE: No more than sixty-six (66) credit hours from junior and/or community colleges may be transferred to Texas Southern University. Courses with an earned grade below C are not transferable with the exception of the following:**

1. Subject to the approval of the individual department, up to 6 hours of credit for grades of C- or D may be transferred. However, these credits may not be applied to the major or minor sequence, each of which requires a grade of C or better.
2. Courses with grades of C- or D are accepted in the event that the student is core complete and core completion is indicated on the student's transcript.

All academic courses except developmental courses, whether passed, failed, or repeated, including those in which the student earned a grade below C, are used to compute the applicant's grade point average for admission purposes.

- C. Submit placement test scores or evidence of test exemption eligibility.
- **(III) Permanent residents of the United States who have diplomas from accredited high schools, GED equivalents, or equivalent examinations from foreign countries that attest to the fact that they have attained the high school standard and who have never previously enrolled for college credits must**
    - A. Follow the same steps given above for citizens of the United States with diplomas from accredited high schools or GED equivalents.
    - B. In addition, **submit certified copies of both the front and back sides of their Permanent Resident Cards** along with the application for admission.
    - C. **Submit all specifically needed documents to the Office of International Student Affairs, Texas Southern University 3100 Cleburne Street; Houston, Texas 77004-9987.**
  - **(IV) Permanent residents of the United States who wish to transfer from other accredited colleges and universities must**
    - A. Follow the same steps given above for citizens of the United States.
    - B. In addition, **submit certified copies of both the front and back sides of their federal Permanent Resident Cards** along with the application for admission.
  - **(V) International students who have never previously enrolled for college credits or who wish to transfer from other accredited colleges or universities must**
    - A. Complete application online and submit all required documentation along with the required, non-refundable application fee.
    - B. Send **proof of graduation from high school** (transfer students must submit only college transcripts) either in conjunction with the application or separately to the Office of International Student Affairs.
    - C. Provide a **certificate of finance** either in conjunction with the application or sent separately to the Office of International Student Affairs.
    - D. Provide **official proof of completion of the TOEFL examination, if applicable**, to the Office of International Student Affairs. Applicants must have an earned score of 500 or better on the paper TOEFL or 173 or better on the computerized TOEFL to qualify for admission.
    - E. Request that, if applicable, the of-record college or university of current attendance transfer its SEVIS information to Texas Southern University.
    - F. Request that official transcripts from all colleges and universities attended be sent directly to the Office of International Student Affairs.

**NOTE: The authenticity of transcripts is critical to the admissions process. It is the responsibility of all international students to have international transcripts translated by an approved accredited agency.**



G. NOTE: Upon admission to the University, providing the results of a recent health examination,sa requirement for all students. Questions about the health examination may be directed to the Office of International Student Affairs at (713)-313-4229. A meningitis vaccine is required before registration.

- **(VI) Transient students who wish to attend the University must**

- A. Submit an application to Texas Southern University, Office of Undergraduate Admissions (at 3100 Cleburne Street; Houston, Texas 77004-998, or electronically at [www.em.tsu.edu](http://www.em.tsu.edu)).
- B. Request that an official transcript or letter of good standing from the college or university in attendance be sent to the Office of Undergraduate Admissions at the address above.

- **(VII) Students who have not attended the University for more than one year and now wish to return must**

- A. Submit an application to Texas Southern University, Office of Undergraduate Admissions (at 3100 Cleburne Street; Houston, Texas 77004-998, or electronically at [www.em.tsu.edu](http://www.em.tsu.edu))
- B. Identify the category above that best fits your circumstances and complete the remaining listed steps.

**In admitting first-time freshmen, the University abides by the uniform admission policy as defined in accordance with Texas Education Code Chapter 51, Subchapter S. Students' high school average, class ranking, and test scores shall all factor into consideration for admission.**

**Students who are admitted by the University, but fail to enroll for a given semester, may request that their application be deferred and updated for a future semester. The application and associated fee will be honored for one (1) year from the original semester in which the application was made.**

Under certain mitigating circumstances, individuals may be eligible to apply for admission during the registration period. If admission is granted under these circumstances, then the applicant must be prepared to pay his or her tuition and fees out-of-pocket.

## ENROLLMENT INFORMATION

### Advising

Academic advising is an integral and necessary part of the higher education process. Faculty advisors in the academic departments have the responsibility of advising those students who have met all admission requirements and have declared majors based on (1) the most current information available to them about departmental, college, and university requirements, and (2) students' interests, needs, and abilities. All students who have not declared majors are advised in Student Success Services in Fairchild Hall. Undecided students are those who are registered in Academic Foundation courses and have not decided on their majors. In general, students are not encouraged to declare majors until their individual ASSET or equivalent responsibility has been met. **Students who receive financial assistance are STRONGLY CAUTIONED that they must each have a declared major by the time that they have successfully completed 45 semester credit hours in order to remain eligible for this assistance.**

Specific responsibilities of advisors include

- Helping students to define and develop realistic goals.
- Matching students to available resources.
- Assisting students to plan programs of study consistent with their abilities.
- Helping students monitor their progress toward graduation.

**Although academic advisors will assist students in every way possible, students are expected to accept full responsibility for their academic programs of study, including the satisfactory completion of all requirements.**

### Registration Policies and Procedures

All students must register at the beginning of each semester or term. Each student is assigned a faculty advisor, who assists in planning a program of study. Complete registration instructions are contained in the schedule of classes each semester or term. Students are registered for and entitled to attend classes only when they have completed the prescribed procedures, including the

payment of fees, which is a part of registration. **A student is not registered with the University, and therefore not entitled to University privileges, until fees are paid. All unpaid course selections will be purged from the database of student records after the twentieth class day during a regular semester and after the fourth class day during a summer term.**

**Students planning to return to the campus after an absence of one year or after earning credits at another institution are required to notify the Admissions Office and have transcripts mailed from the schools attended.**

### **Registration and Payment of Fees**

Official registration days for each semester and each term of the summer session are indicated in the University Calendar at the beginning of this bulletin. Students are required to provide their transcripts for use by counselors in preparing their schedules each semester.

**Registration is not complete, and students with unpaid fees are not entitled to University privileges. Students are required to have sufficient funds to cover all required tuition, fees, and deposits.**

### **Auditing**

With the consent of both the chair of the administering department and the course instructor, a student may audit a course. Auditors shall be registered, shall receive no credit for audited courses, and shall pay the same fees as a student enrolled for credit.

### **Credit by Examination**

A student may receive credit by examination for courses listed in this bulletin by showing proficiency gained in advanced high school courses, independent research, non-credit adult courses or professional development programs. Credit by examination shall not be given for a previously attempted or surpassed course, or for hours beyond published limits. The Pass (P) grade given is not calculated into the GPA. Students of any age currently or previously enrolled in Texas Southern University can demonstrate college-level achievement and receive credit for what they may have learned through advanced-high school courses, independent research, non-credit adult courses or professional development. To the extent that a student is successful in passing the prescribed examinations, he or she may use the maximum allowable credits received to shorten the length of time required to attain a degree. The student must submit the Credit by Examination form, such as the CLEP, to the academic department, the academic dean of the school or college involved, and the Provost for approval. Once approved for credit by examination, the student must pay applicable testing, administration, and per credit hour fees, earn a passing score on the national and/or departmental examination, and the approved application will be submitted to the Registrar's Office by the Office of the Provost.

### **Concurrent Enrollment**

A student concurrently enrolled at Texas Southern University and another college or university may receive total credit for no more than the maximum allowable Texas Southern University load for any given semester or term. In each semester of concurrent enrollment, the student must verify with his or her advisor that the other institution's courses qualify for transfer, notify the Office of Financial Aid at both Texas Southern University and the other institution, and submit the signed agreement form to the Registrar's Office.

### **Official Enrollment in Class**

A student may not attend a class after the first week of classes unless he or she is properly registered for that course and section. Failure to follow proper registration procedures may jeopardize that student's good standing at the University and result in loss of funds and credit. Instructors' class rolls are prepared from the official enrollment records of the Registrar. A student whose name does not appear on the class rolls should contact the Registrar's Office to verify his or her proper registration.

### **Discontinued Classes**

The University reserves the right, when necessary, to discontinue classes or to otherwise alter the schedule. If a class is discontinued, students will be notified at the first scheduled class meeting, whenever possible, so that they may register for alternate courses. Students who are enrolled in a discontinued class must officially drop the course; students who wish to enroll in another section or another course must immediately and officially carry out the drop and add process.

## TRANSFER CREDIT

**Transfer of credit from another institution to Texas Southern University involves consideration of the institution's accreditation, the comparability of course work, and the applicability of that course work to a degree program at the University.** The Office of Undergraduate Admissions is responsible for reviewing each course taken at another college or university and making an initial determination of transferability. Colleges and universities from which credits are to be transferred must have been granted membership or candidacy status in a regional accrediting association of the Association of Colleges and Schools, which does NOT include accrediting commissions for vocational or occupational training.

**No more than sixty-six (66) credit hours from junior and community colleges may be transferred to Texas Southern University. Courses with an earned grade below C are not transferable. Transfer credit hours will not be granted for college/university courses omitted from the evaluation request, they may also be bound by policies set by the University's individual schools and colleges. If a student has successfully completed the 42-semester credit hour core mandated by the State of Texas, the student will have fulfilled the core curriculum requirements for Texas Southern University. A student who has not completed the core curriculum elsewhere will be required to complete the University core. A student must meet special program requirements in addition to general core curriculum requirements.**

All academic courses except developmental courses, whether passed, failed, or repeated, including those in which the student earned a grade below C, are used to compute the applicant's grade point average for admission purposes.

In order for the Office of Undergraduate Admissions to make a decision about the transferability of a course, the transfer student may need to provide materials such as school catalogs/bulletins, course descriptions, course outlines, class assignments, or textbooks to assure proper evaluation. The final determination of the applicability of credit transferred toward a degree sought at Texas Southern University is made by the chair of the student's major department and the dean of the school or college in which it is listed in conjunction with the Director of Undergraduate Admissions.

Courses accepted for transfer credit must be from a college or university accredited by one of the regional agencies for higher education and must be similar in character and content to courses offered at Texas Southern University.

Junior and community college courses may only transfer as lower-division (freshman or sophomore) credit. Undergraduate courses from senior colleges transfer at the same level, lower- or upper-division, as they were taken. Graduate-level coursework is not transferable as undergraduate credit.

**In the transfer of core curriculum credits and field of study curricula credits from other public institutions of higher education in Texas to Texas Southern University,** the University is subject to Texas Education Code Chapter 4, Subchapter B, Rule 4.27. These sections specifically address the resolution of transfer disputes for lower division courses between two public institutions of higher education in Texas and **are quoted directly as follows:**

- a. The following procedures shall be followed by public institutions of higher education in the resolution of credit transfer disputes involving lower division courses:
  1. If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied, and shall include in that notice the reasons for denying the credit. Attached to the written notice shall be the procedures for resolution of transfer disputes for lower-division courses as outlined in this section, accompanied by clear instructions outlining the procedure for appealing the decision to the Commissioner.
  2. A student who receives notice as specified in paragraph (1) of this subsection may dispute the denial of credit by contacting a designated official at either the sending or the receiving institution.
  3. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and guidelines.
  4. If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of denial, the institution that denies the course credit for transfer shall notify the Commissioner of Higher Education of its denial and the reasons for the denial.
- b. The Commissioner or Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.
- c. Each institution of higher education shall publish in its course catalogs the procedures specified in subsections (a), (b), (d),

and (e) of this section.

- d. The Board shall collect data on the types of transfer disputes that are reported and the disposition of each case that is considered by the Commissioner or the Commissioner's designee.

If a receiving institution has cause to believe that a course being presented by a student for transfer from another school is not of an acceptable level of quality, it should first contact the sending institution and attempt to resolve the problem. In the event that the two institutions are unable to come to a satisfactory resolution, the receiving institution may notify the Commissioner, who may investigate the course. If its quality is found to be unacceptable, the Board may discontinue funding for the course.

### ACADEMIC FRESH START

**Residents of the state of Texas are entitled to enroll at a state institution of higher education, including Texas Southern University, as new undergraduate students if the last college credits that they earned were earned ten (10) or more years ago.** This provision is covered by the Texas Education Code Section 51.931. In electing to enroll under this provision, students may not receive any credit for courses undertaken ten (10) or more years ago prior to enrollment at Texas Southern University.

If a student earns a baccalaureate degree under this section and applies for admission to a graduate or professional program of study that is offered by a public institution of higher education in Texas, only the grade point average (GPA) that the student earned under this section is to be considered, along with any other criteria used for evaluating applicants for admission to these programs of study.

**Students who qualify for an academic fresh start may petition the University for such through the use of the steps outlined below:**

1. An applicant must submit a written request to the dean of the academic area in which he or she intends to major and/or the area in which he or she was last enrolled. The request must include the following information:
  - a. Full name
  - b. Texas Southern University student identification number or social security number
  - c. Mailing address
  - d. Current telephone number
  - e. Last date of enrollment at Texas Southern University, including the year and semester
2. The academic dean of record will determine whether or not the applicant is eligible for an academic fresh start in consultation with the University Registrar and communicate his or her final decision in writing to the Registrar within a reasonable period of time.
3. The University Registrar will notify the applicant, in writing, of his or her status within a reasonable period of time upon receipt of the decision of the academic dean.

### EARLY ADMISSION OF HIGH SCHOOL STUDENTS

Texas Southern University's early admission policy is designed to give high school students who demonstrate outstanding academic performance the opportunity to enroll in regular college courses for credit toward graduation while they are still enrolled in high school. The student retains high school status and has the option of enrolling either during the summer session following the junior year in high school or in the fall of the senior year. The student must take high school courses concurrently while enrolled as a part-time student at TSU.

**Eligibility.** All Early Admission applicants must satisfy the following requirements:

1. Successful completion of the 11th grade.
2. Evidence of a level of academic achievement that promises successful completion of college work. Applicants must have passed all portions of the Exit-Level Texas Assessment of Knowledge and Skills (TAKS) examination.
3. Recommendation from a high school guidance counselor or principal.
4. Either (1) a minimum GPA of 3.10 on a 4.0 scale, along with a minimum SAT combined score of 1000 or ACT composite score of 20; OR (2) a minimum GPA of 3.50 on a 4.0 scale, along with a minimum SAT combined score of 900 or ACT composite score of 18.

**Applications.** All documents pertaining to early admission must be submitted to the Office of Undergraduate Admission and must include the following:

1. Completed application form
2. Non-refundable application fee
3. Official high school transcript showing successful completion of the TAKS examination (Exemptions do not qualify).
4. Official SAT-I, PSAT or ACT scores report (Test scores posted on a high school transcript are considered official)
5. Letter of recommendation from a high school guidance counselor or principal

**Enrollment.** A student who is admitted under the Early Admission Program

1. May enroll in up to six (6) semester credit hours per eligible semester for up to two (2) years while being concurrently enrolled in high school
2. Must follow University rules and regulations
3. Will be classified as a special student
4. Will be advised by Student Success Services in Fairchild Hall

**Financial Aid.** Inasmuch as early admission students are considered to be in college and high school at the same time, federal regulations prohibit eligibility for any form of federal financial aid (grants or loans).

**Change of Status.** A high school student admitted under the early admission policy who remains in good standing through high school graduation will automatically have his or her status upgraded to “unconditional undergraduate admission.” However, the student must provide an official copy of the final high school transcript with evidence of date of graduation.

## ORIENTATION PROGRAM FOR NEW STUDENTS

All undergraduate students entering the University for the first time are required to take part in a series of orientation activities, which are conducted prior to the opening of their semester of residence. Orientation programs are planned for each of the two semesters on specific dates prior to registration.

**Entering students should contact Student Academic Enhancement Services, Texas Southern University, 3100 Cleburne, Houston, Texas 7700, (713)-313-7782.**

## STUDENT ACADEMIC ENHANCEMENT SERVICES (SAES)

Student Academic Enhancement Services (SAES) provides planned coordination of curriculum faculty, staff, and instructional resources to ensure the successful transition of first year students from high school to Texas Southern University. Additionally, it provides resources to ensure the success and persistence of first year students. **All newly admitted students to the University are co-assigned to SAES, together with a major department for advisement, registration, and matriculation purposes up to the time that the required placement examination is passed and a major is formally declared. Freshman Seminar (FS 102) is required for all freshman and new students enrolling in Texas Southern University. This is a required course for every undergraduate degree offered through the University. These courses are focused on preparing students for success at the University and beyond.**

**Student Academic Enhancement Services is located in the Fairchild Building, and students may request available services in Room 114 of that facility. Further information may also be obtained directly by telephoning (713)-313-7782.**

## TEXAS SUCCESS INITIATIVE (TSI)

**The Texas Success Initiative was developed by the 78th State Legislature on September 1, 2003 to guarantee student success at institutions of higher education. The program involves two major components: (1) measuring students' academic skills in reading, writing and mathematics and (2) advising the student into the appropriate developmental course for any academic skill that needs improvement. In accordance with the Initiative, all applicants must have successfully completed**

**the following numbers of high school credits:**

- 4 in English
- 3 in mathematics
- 2 in natural science
- 2 in social science
- 6 selected from a group consisting of foreign languages, computer science (or keyboarding), speech, journalism, and fine arts

SAES is committed to providing exceptional academic services for all TSU students to assist them in achieving all of their academic and professional goals. An example of this commitment is demonstrated in the following student academic services and programs

**Academic Advisement and Counseling Center** The professional staff persons in this area have a significant impact on the first two years of entering students. They assist the students in planning class schedules by helping them select appropriate classes in keeping with their major areas of study. The advisors meet with their advisees at least twice per semester to monitor students' academic progress as well as other issues of concern. The advisor makes referrals to all available services for students as needed. These counselors/advisors are quite essential to the success of students in matter of class attendance, course completion, and student retention.

**SAES Academic Advising Support for Colleges/Schools** SAES assigns its academic advisors to the undergraduate colleges/schools to assist them in the further development and strengthening of their Student Academic Support Services areas. The primary focus of the SAES assigned advisors is the retention of freshman and sophomore students. The assigned advisors assist as follows:

1. Tracking students who are not attending classes
2. Participating in student related seminars and programs as needed, and
3. Providing various services and programs to improve retention in each college/school.

**Planning, Evaluation, Assessment, and Retention** Within the Division of SAES is the Office of Planning, Evaluation, Assessment, and Retention. The primary purpose of this office is to study current and pertinent qualitative and quantitative retention-related data. These data-driven results subsequently serve as the foundation for ongoing evaluation, assessment, and plans to continue improving the student retention and graduation rates at TSU.

**Academic Laboratories and Tutorial Center** SAES manages and staffs five academic laboratories and the new SAES Tutoring Center, which provides individualized tutoring. These facilities are available for students, faculty, and staff to use in enhancing learning and teaching.

**Peer Mentoring Program** These upper classmen (juniors and seniors) who serve as mentors play a vital role in the academic advisement/counseling of students. Their services are critical to the success of establishing and monitoring rapport with both first- and second- year students. Our Peer Mentors serve as excellent role models academically, professionally, and socially for freshman and sophomore students.

**Freshman Seminar 102** This course enhances the academic, social, and emotional development of entering freshman as well as transfer, and returning students through a series of seminars, workshops, lectures, and other interactive activities. Topics covered include study skills, an introduction to University mentoring programs, technology literacy, critical thinking skills, financial literacy, effective time management, self- assessment, and personal growth.

**Summer Institute** The Summer Institute is a rigid eight-week curriculum designed to assist the serious student master the skills needed for success in college level courses. Specifically, the coursework concentration will be in the areas of mathematics, reading and writing. Successful completion (obtaining a grade of "C" or better) in these courses will reduce or eliminate the need for taking developmental education courses in the subsequent fall. More particularly, the benefit of successfully completing the Institute is that it permits students to enroll sooner in college level (degree credit) courses rather than in developmental education (non-degree credit) courses, thereby increasing their chances for graduating in four years. In addition, the Institute includes specific program, which provides opportunities for cultural enrichment, orientation, academic advisement, and registration.

**Developmental Education Program** SAES in collaboration with the Departments of English, Reading, and Mathematics select highly qualified and committed faculty to provide instructions for students in this Program. In addition, students enrolled in

one or more of these courses have access to fully equipped laboratories which provide additional course-related academic support. Developmental courses to be taken before or concurrently with related college-level courses include ENG 129, ENG 130, MATH 130, MATH 131, READ 130, and SSS 101 lab courses.

**It is highly recommended that students who do not meet minimum admission requirements enroll and successfully complete the Summer Institute. This intensive program provides the academic foundation necessary for one to master the ASSET placement examination and to succeed in college level courses. Students who are not successful in the program may transfer in to complete their studies at the University only after completing two years of prescribed, transferable courses at a community college.**

## ACADEMIC REGULATIONS

### Load Limit

The normal load is **15 to 18 semester credit hours**. A regular student may not carry more than **18 hours** of course work in any long term or semester without the approval of his or her dean and the head of the department in which the student is a major. The maximum load for any student in a regular semester is **21 hours**. Students who are working may be required by the dean to reduce their loads. A student enrolled in a **6-week summer term** may not normally carry more than **7 hours**. Under special conditions a student may, with permission of his or her dean, carry **8 hours in one 6-week term** provided he or she carries no more than **6 hours during the other term of that summer**. Under no circumstances may a student earn more than **14 semester hours from any source in the two terms of one summer**.

### Full-Time and Part-Time Status

The full-time or part-time status of students is determined by the descriptors listed in the table below.

	Undergraduate Fall/Spring	Undergraduate 6-week Summer term
Full-time	12 or more credit hours	6
3/4 time	9-11	4-5
1/2 time	6-8	3
Less than 1/2 time	1-5	0-2
1/4 time	1-3	X

### Classification

Undergraduate students' classification is determined as follows:

Classification	Freshman	Sophomore	Junior	Senior
Credit hours earned	0-29	30-59	60-89	90+

### Class Attendance Regulations

All students are required to be present for all class meetings of any course in which they are enrolled. Students are responsible for learning about, becoming knowledgeable of, and complying with the attendance policy stated in the catalog and/or faculty syllabus. Faculty members will provide details on the rules for attendance in their classes in their course syllabi. Faculty members will keep students' attendance records.

### Record keeping

A record of excused and unexcused absences will be maintained by faculty members. When requested by the student, teachers must inform the student who has been absent whether or not make-up work is allowed and whether or not absences jeopardize the student's standing in a class.

## Nonattendance

Students who register for courses for a particular semester must attend their classes starting on the first day of class. Students who have not attended classes up to the 12th day of classes will be reported to the Registrar's office for nonattendance. A student who is reported for non-attendance will be dropped from those classes which he or she has not attended.

Students who have supporting documentation offering explanation for their absence(s) must present their documentation to the instructor who reported them for nonattendance. The instructor may evaluate their supporting documentation and hear their case. If the request for consideration is denied, the student will have to re-register for the course as early as the next semester the class is available. If the instructor approves the student for re-instatement, the instructor will submit a written request for the student's reinstatement to the dean of the school or college. If the dean approves the request for reinstatement, he or she will submit a written request to the Registrar's Office for the student's reinstatement.

## Change of Major

A student in an undergraduate department of the University who can satisfy admission requirements of another undergraduate department within the same college or school may transfer to it with the approval of the department chairs concerned.

## Transferring from One Branch to Another

A student in an undergraduate college or school of the University who can satisfy admission requirements of another undergraduate branch may transfer to it with the approval of the department chairs and deans concerned.

## Changes in Class Schedule (Adds, Drops, and Withdrawals)

A student may make changes in class schedules with the approval of his faculty advisor and of the department in which the course is offered. **A service fee is charged for each change in program.**

Course changes must be made in person under the following conditions:

- a. **Adding courses.** In adding courses, the student must obtain the approval of his or her faculty advisor and the department in which the course is offered.
- b. **Dropping courses.** A student may, for good cause, drop a course with the approval of his or her faculty advisor and the department in which the course is offered under the following provisions:
  - During the first twelve days of any semester or the first four days of a summer term, a student may drop a course without having a grade recorded for the course.
  - After the twelfth or fourth class day, a student may drop a course without penalty prior to the published deadline. A grade of W will be recorded. State legislation enforces a limit of **six (6) recorded drops**, excluding withdrawals, over the college career of a student who enrolls in a Texas public institution of higher education as a first-time freshman beginning fall 2007 or later. Documentation of good cause must accompany any request for exception.
  - After the published deadline, a student will be permitted to drop a course only upon approval of the student's dean and only for urgent and substantiated, nonacademic reasons acceptable to the Dean.

## Withdrawal

To insure his or her possible future standing with the University, a student has the right to withdraw officially. A student wishing to withdraw from the University for the remainder of a session should apply to the dean of his or her school or college for permission. Having secured the dean's permission, the student may receive honorable dismissal through the Registrar's Office after he or she has returned all library books, surrendered his or her activity books, and cleared himself or herself with all offices at the University. A student failing to do these things will not be eligible for restitution of any fees.

The term "honorable dismissal" will not be given unless the student's standing as to conduct and character is such as to entitle him or her to continuance in the University. The grade to be recommended for the student will be in keeping with the regulation for dropping courses.



## Reinstatement

Students who are administratively withdrawn from their classes because of nonpayment of tuition and fees may petition for reinstatement if and only if extraordinary circumstances prevail. Students may obtain the prescribed form in the Registrar's Office and must return the petition with evidence of suitable payment options. The Registrar's Office reviews all such petitions on a case-by-case basis. All approved petitions are subject to a late payment fee and a reinstatement fee.

## Course Numbering

Lower division undergraduate courses are numbered from 100 to 299, whereas upper division undergraduate courses are numbered 300 to 499. Upper division courses that may be taken by graduate students for graduate credit upon prior approval of the student's advisor and Dean of the Graduate School are **listed in the Graduate Bulletin**. Courses numbered 500 and above, except in pharmacy, carry graduate credit and are open only to graduate students.

## Unit of Credit and Grade Point Average

1. The unit of credit is the semester hour. A semester hour represents the equivalent of one recitation or lecture hour per week for one semester.
2. The following grades and quality points per semester hour were used in evaluating the work of students in courses at the University in the past:

Grade	Meaning	Prior to Fall 1977	Beginning Fall 1977
A+, A	Excellent	3.00	4.00
B	Good	2.00	3.00
C	Average	1.00	2.00
D	Poor but Passing	0	1.00
I	Incomplete	0	0
F	Failure	0	0
W	Withdrawal	0	0
S	Satisfactory		0
U	Unsatisfactory		0
N	No Grade Submitted		0
P	Pass		0

3. Beginning the Fall of 1991, the following grades and quality points were and are now used:

Grade	Meaning	Grade or Quality Points Per Credit Hour
A+, A	Excellent	4.00
A-	Intermediate Grade	3.67
B+	Intermediate Grade	3.33
B	Good	3.00
B-	Intermediate Grade	2.67
C+	Intermediate Grade	2.33
C	Satisfactory	2.00
C-	Intermediate Grade	1.67
D+	Intermediate Grade	1.33
D	Marginal	1.00
D-	Intermediate Grade	0.67
F	Failure	0
I	Incomplete	0
P	Passing	0

Grade	Meaning	Grade or Quality Points Per Credit Hour
R	In Progress	0
S	Satisfactory	0
U	Unsatisfactory	0
W	Withdrawal	0
WT	Withdrawal, Test Requirement <b>NOT</b> Fulfilled	0

4. The grade “R,” meaning “In Progress,” is given only when the work in a course extends beyond the semester or term. It implies satisfactory performance. The grade “R” will not alter the quality point average of the student inasmuch as hours attempted, hours earned, and quality points earned will not be entered in cumulative totals.
5. The grade of “I” is given only when a student’s work is satisfactory in quality, but because of reasons beyond his or her control, the work has not been completed. The missing work may be a major quiz, a final examination, a term paper, or other work. It is not given in lieu of an F. The instructor will stipulate, in writing, at the time the grade is given the conditions under which the “I” may be removed. This temporary grade of “I” is non-punitive and semester hours for the course are not considered in the computation of the quality-point average. Removal must be within one calendar year after the “I” is assigned, or the “I” grade shall become an “F.” The grade “I” is not assigned if the student must retake the course. In the event a student who earns a grade of “I” decides to retake the course, the student is required to pay for that course a second time.
6. The grade of “W” is given for a course officially dropped by the student after the **twelfth** class day of a regular semester or the **fourth** class day of a summer term and before mid-semester or midterm.
7. **In cases where students repeat courses, the last grade earned must be used in the determination of the student’s official grade point average at all stages and in the determination of eligibility for graduation.**
8. **The terms “grade point average (GPA)” and “quality point average” are used interchangeably. In all cases, these averages are calculated by dividing the total quality points earned (see chart above) by the total semester credit hours attempted.**

### Grade Notification

Final grades are electronically disclosed to students at the end of each term, no later than fourteen (14) days after all final examinations have been completed.

### Good Academic Standing/Satisfactory Academic Progress Policy

The minimum grade point average required by the University for awarding the baccalaureate degree is 2.00 for all credit work taken and completed by the student as part of an approved program of study. The GPA is computed by dividing the total number of hours attempted by the total number of quality points earned (See “Grading System”), except for credit hours in courses for which the student received a “W” or “I”. Also, a repeated course is counted as attempted one time only; the last grade earned will be used to calculate the GPA. Any enrolled student who meets the minimum academic requirements is in good academic standing at the University.

Probationary or Notice status will be incurred by the student who fails to meet the standards listed below in any semester.

- 1-14 hours attempted—Not less than a 1.4 cumulative GPA
  - 15-29 hours attempted—Not less than a 1.6 cumulative GPA
  - 30-59 hours attempted—Not less than a 1.8 cumulative GPA
  - 60 or more hours attempted—Not less than a 2.0 cumulative GPA
- and satisfactory completion of all developmental or remedial courses

### Academic Notice

Students falling below the set standards of 1-14 hours 1.4 cumulative GPA; 15-29 hours 1.6 cumulative GPA; 30-59 hours 1.8 cumulative GPA; and 60 or more hours 2.0 cumulative GPA, are placed on Academic Notice. Students on Academic Notice are not on Academic Probation and cannot be suspended. **Students on Academic Notice must get advisement in the Office of Student Success Services or their major department before they will be allowed to enroll.**

## Academic Probation

Students who are currently on Academic Notice and who fail to maintain the minimum cumulative GPA requirements (as per the previous chart above) are placed on Academic Probation. In short, if a student falls below the set standards, the student is placed first on Academic Notice. If in the following semester, the student again falls below the set standards, the student will be placed on Academic Probation. Undergraduate students may be removed from Academic Probation at the close of the semester in which they earn a cumulative GPA that meets the standards outlined above. They may register for not more than 15 semester credit hours. **Freshmen and sophomore students on Academic Probation must get advisement in the Office of Student Success Services or in their major department before they will be allowed to enroll. Juniors and seniors must seek advisement in their respective departments and undergo individual monitoring before they will be allowed to enroll.**

## Suspension

Students on **Academic Probation** who earn a GPA below the standards outlined above are suspended for **one** academic semester. Undergraduate students failing to maintain the required GPA in any semester while on Academic Probation will be suspended.

- A. The first academic suspension is for a period of at least **one semester**. (fall or spring or summer)
  1. Students placed on academic suspension at the end of a fall semester are not eligible to re-enroll until the following **summer**.
  2. Students placed on academic suspension at the end of a spring semester are not eligible to re-enroll until the following **fall**.
  3. Students placed on academic suspension at the end of a summer session are not eligible to re-enroll until the following **spring**.
- B. Students who have been placed on academic suspension twice may apply for re-admission to the University after one year, provided they can show evidence of increased academic maturity. Such evidence may be grades for courses taken at another institution of higher learning if such courses are not repeats of courses previously taken at TSU. Military service and associated courses/training may also be used as evidence of maturity.

## Academic Suspension and Appeal

Faculty and staff are committed to helping students achieve their academic goals. Nevertheless, some students fail to maintain an adequate grade point average and are academically suspended. Students who believe that extenuating circumstances contributed to their suspension may appeal their case to the University's Committee on Suspension and Readmission. To appeal, students must explain those circumstances in a letter submitted to the committee immediately after receiving notification of suspension. (See also "Academic Grievances".)

## Readmission from Academic Suspension

1. Only the dean of a college or school may readmit students on academic suspension from Texas Southern University.
2. Readmission from academic suspension is neither automatic nor guaranteed. Students seeking readmission must submit the following to the dean of the school or college in which they wish to earn their degrees:
  - a. A written petition justifying their readiness to resume their studies at the University.
  - b. Transcripts showing at least a 2.00 grade point average on all college work completed elsewhere while on academic suspension from Texas Southern University.
  - c. Transcripts of all other completed college work.
  - d. For a change of majors from the college or school from which they were suspended to another college or school, a "change of major" request along with a petition for readmission from academic suspension to the college or school of the intended major.

Colleges may have additional policies and procedures pertaining to readmission from academic suspension; therefore, students seeking readmission should consult the appropriate college or school section in this catalog or request information from the office of the appropriate academic dean for specific college or school requirements.

When readmitted, the student will enter the University with probationary status. Another suspension at the end of the semester of readmission may be avoided by achieving the minimum cumulative average according to the above standards. Moreover, a student on academic probation will not be suspended at the end of any semester during which a semester average of 2.00 has been earned.

**Any student enrolled in nine or more credit hours who earns an “F” in all classes will be suspended from the University for the following semester.**

**NOTE: Each college or school may adopt its own set of “Academic Progression Standards” to address the particular academic needs of its students. These standards, however, must be higher than the standards of the University, as set out above; They may not be lower.**

### Semester Academic Honors

Academic honors are earned for performance **during each fall and spring semester of enrollment** in accord with requirements summarized below. **Academic honors are not bestowed during summer terms.** Distinctions earned as a result of academic performance become a part of students’ permanent records.

Academic Distinction	Required GPA for Semester	Conditions for Designation of Academic Distinction
President’s List	3.75 to 4.00	A minimum of 12 semester credits completed; a minimum cumulative GPA of 3.00 earned; <b>no</b> grades earned below “B”; and <b>no</b> grades of “I”, “W”, “P”, or “S” earned
Deans’ List	3.50 to 3.74	A minimum of 12 semester credits completed
Honor Roll	3.00 to 3.49	A minimum of 12 semester credits completed

### Correspondence Courses

Texas Southern University offers no correspondence courses. A student in residence at this institution will be permitted to receive credit for correspondence courses from other institutions only when written permission to take the courses has been granted in advance by the dean of the school or college in which the student is enrolled. Each request made by a student of the University for credit in courses taken by correspondence will be considered on its own merits by the registrar and the dean involved. Credit earned in a course completed by correspondence will be accepted only if the final examination is taken under the supervision of the Registrar of Texas Southern University.

Not more than twelve (12) semester hours of credit taken in correspondence work may be applied toward the requirements for an undergraduate degree. (No graduate credit will be given for work done by correspondence.) **Further, inasmuch as the last thirty (30) semester hours of credit for an undergraduate degree must be taken in residence, no credit earned by correspondence may be applied toward the requirements for an undergraduate degree after the student has earned ninety-four (94) semester hours of credit applicable toward the requirements for a degree. Any exceptions to this rule must be made by the appropriate undergraduate dean.**

### Scholastic Dishonesty

Students must maintain a high standard of honesty in their academic work. They should avoid all forms of academic dishonesty, especially the following:

- a. **Plagiarism.** The appropriation of passages, either word for word (or in substance) from the writing of another and the incorporation of these as one’s own written work offered for credit.
- b. **Collusion.** Working with another person in the preparation of notes, themes, reports, or other written work offered for credit unless such collaboration is specifically approved in advance by the instructor.
- c. **Cheating on an Examination or Quiz.** Giving or receiving, offering or soliciting information, or using prepared material in an examination or testing situation is expressly forbidden. On examinations and quizzes students are expected (a) to remain in the examination room until the examination is finished, (b) to refrain from talking, and (c) to refrain from bringing notes and books into the examination room.
- d. **Impersonation.** Allowing another person to attend classes, take examinations or to do graded assignments for an enrolled student under his or her name is strictly forbidden.

**A violator of any of the above offenses will incur severe disciplinary action ranging from suspension to expulsion from the University. Specific guidelines will be administered by each dean.**

### **Academic Grievances**

**Purpose.** The following procedures are designed to provide a means for undergraduate students to petition for review of final course grades alleged to be incorrect. Before filing a formal appeal, students are urged to resolve grievances informally with the instructor of the course. Students filing a written appeal shall be expected to abide by the final decision of the committee, as provided for in these procedures. This decision precludes any further review under any other procedure within the University.

**Conditions.** A student may seek a review of a final grade if he or she feels that one of the following conditions applies:

- a. A grade was assigned on some basis other than performance in the course, or
- b. the standards applied to a grade were not the same as those applied to other students in the course, or
- c. the assigned grade represents a substantial and unannounced departure from the instructor's previously stated standards.

**Procedures.** A student who feels that his or her grade is incorrect should

1. **Confer promptly with the instructor of the course.** If the instructor is unavailable and cannot be reached by the student after a reasonable effort, then the student shall consult with the chair of the department offering the course. If the student and instructor or department chair are unable to arrive at a mutually agreeable solution, the student may file an appeal within twenty (20) days after the first day of class of the next semester (not including summers) with a standing committee of three (3) tenured faculty members of the department offering the course. If the instructor of the course is a member of the committee, he or she shall be replaced by a tenured faculty member selected by the chair of the department.
2. **File an appeal by submitting to the departmental committee a detailed statement regarding the alleged improper grade, as well as any relevant evidence.** The appeal shall be dismissed if
  - a. the student has submitted the same or substantially the same complaint to any other grade review procedure,
  - b. the appeal is **not timely, or**
  - c. the student has not conferred with the instructor or department chair before filing the appeal.
3. **Allow the departmental committee to take action.** If the appeal is not dismissed, the committee shall submit a copy of the student's written appeal to the instructor with a request for a **prompt written reply.**
4. **Work toward a mutually agreeable solution in concert with the committee and the instructor.** If a mutually agreeable solution is not achieved, the committee shall advise both the student and the instructor that the matter has been sent to the dean of the academic unit offering the course. The dean of the academic unit shall convene a committee of three (3) tenured faculty members from departments outside of the department offering the course. This committee shall hold an informal, nonadversarial fact-finding meeting concerning the dispute. Both the student and the instructor shall be entitled to be present throughout this meeting and to present any evidence deemed relevant, except the student shall not be present during the discussion of any other student. Neither the student nor the instructor shall be accompanied by counsel, an advocate, or a representative. The meeting shall be closed to the public. After the fact-finding meeting, if the majority of the committee finds that the evidence supports the student's complaint, the committee shall take any action thought to rectify the situation, including, but not limited to
  - a. directing the instructor to re-grade the student's work,
  - b. directing the instructor to administer a new final examination or paper in the course,
  - c. directing the cancellation of the student's registration in the course, or
  - d. if no reasonable alternative is available, directing the instructor to award a grade of "pass" in the course.

The committee is not authorized to award a letter grade, or to reprimand, or otherwise take disciplinary action against the instructor. **The decision of the committee is final** and shall be promptly reported in writing to the parties involved. The dean of the academic unit has the responsibility for implementing the decision of the committee.

## GENERAL EDUCATION CORE CURRICULUM

### **Mission, Goals, and Objectives**

The Core Curriculum is central to the intellectual mission of Texas Southern University. It is designed to equip students in each major field or concentration with a broad knowledge base and a set of college-level competencies to support lifelong learning and the attainment of their academic and career goals.

Texas Southern University's undergraduate degree programs comply with the mandates of the Texas Higher Education Coordinating Board, which requires all students to complete a General Education Core Curriculum. Texas Southern University requires students to complete 44 credit hours in communication, mathematics, natural sciences, humanities, visual and performing arts, social and behavioral sciences, and technology.

The goals of the Core Curriculum at Texas Southern University are to prepare students to examine their values; to become aware of the values, perspectives, and contributions of other individuals, groups, and cultures; to integrate knowledge; and to understand the interrelations of the scholarly disciplines. Students will accomplish these goals through intensive reading, careful analysis, computational and laboratory experiences, active discussion, and frequent writing.

The general education core curriculum at TSU has the following specific objectives:

1. To develop basic competencies in reading, writing, speaking, listening, and critical thinking
2. To develop knowledge of the principles and proficiency in the use of mathematics, logical reasoning, and problem solving
3. To develop an understanding of the scientific method and of the role of the natural sciences in the health and well being of the individual and of the natural world
4. To develop an appreciation for and an understanding of the significant ideas and creative achievements in literature, philosophy, art, music, media, and the performing arts
5. To develop an understanding of the diversity of the human experience through the study of social, cultural, historical, economic, and political systems
6. To develop an appreciation for and skill in the use of computer-based technology for communication, information retrieval, research, and problem solving.

The core curriculum common to all undergraduate degrees at the University appears in the following chart.

Core curriculum COMPONENT AREA	SCH* Required at TSU**	TSU COURSES Required	TCCNS*** Equivalent
Communication	9	ENG 131 ENG 132 SC 135 or 136	ENGL 1301 ENGL 1302 SPCH 1321 or 1315
Mathematics	3	MATH 133 or higher	MATH 1314 or higher
Natural Sciences	8	BIOL 143,143L or CHEM 111,131 <b>plus 4 SCH selected from one of the following 8 choices (4 SCH ea.):</b> CHEM 112,132 PHYS 101 GEOL 141 PHYS 213, 237 PHYS 214, 238 BIOL 135 BIOL 136 BIOL 246	BIOL 1408 or CHEM 1111,1311  CHEM 1112,1312 PHYS 1415 GEOL 1403 PHYS 1101, 1301 PHYS 1102,1302 BIOL 2401 BIOL 2402 BIOL 2420
Humanities & Visual and Performing Arts	6	ENG 2__ <b>plus 3 SCH selected from one of the following choices (3 SCH ea.):</b> THC 130 THC 231 MUSI 131 MUSI 239 ART 131 ART 135	ENGL 23__  DRAM 1310 DRAM 1351 MUSI 1301 HUMA 1301 ARTS 1316 HUMA 1315
Social and Behavioral Sciences	15	HIST 231 HIST 232 POLS 231 POLS 232 <b>plus 3 SCH selected from one of the following 8 choices (3 SCH ea.):</b> PSY 131 SOC 157 SOC 158 SOC 221 SOC 238 ECON 231 ECON 232 GEOG 132	HIST 1301 HIST 1302 GOVT 2301 GOVT 2302  PSY 2301 SOCI 1301 SOCI 1306 SOCI 2306 ANTH 2346 ECON 2301 ECON 2302 GEOG 1303
Institutional Designated Option	3	CS 116 ART 233 MUSI 132 MIS 204 <sup>1</sup> EDCI 210 <sup>2</sup>	COSC 1300  MUSI 1302
<b>TOTAL</b>	44		

\* SCH stands for semester credit hours.

\*\* TSU stands for Texas Southern University.

\*\*\* TCCNS stands for the Texas Common Course Numbering System.

<sup>1</sup>Business Majors

<sup>2</sup>Education Majors

## GRADUATION REQUIREMENTS

### General Requirements for Undergraduate Degrees

It is the student's responsibility to plan his or her program with the assistance of a University advisor and to register for the proper courses so that all requirements will have been satisfied by the time for graduation.

All University advisors of undergraduate students are expected to review each advisee's registration respective to his or her curriculum of study. This review will ensure that courses are taken in proper sequence. All students who are to be classified as juniors must have successfully completed all traditional freshman and sophomore courses in their respective curricula, i.e., courses ordinarily in the 100 and 200 series that are normally taken by freshmen and sophomores.

### General Policies and Procedures for Graduation

1. Degrees will be conferred only on dates that are publicly announced.
2. Application for graduation must be filed within the time period listed in the University calendar. The application form is secured through the office of the student's major department.
3. All candidates for degrees are expected to attend the convocation at which their degrees are to be conferred unless excused by their respective deans.
4. To receive an undergraduate degree, a candidate must complete a major and a minor or a composite major.
5. Reasonable and logical substitutions for required courses may be made within a department or area. Substitutions must be authorized by the student's academic advisor and the head of the student's major department and approved by the dean of the college or school in which he or she is enrolled. Students must submit a petition for substitution with their graduation application or as deficiencies are exposed at least two weeks before their intended graduation date.
6. **Not more than thirty (30) semester hours of course credit offered toward a degree may be earned through extension with no more than twelve (12) of these credits earned through correspondence courses (provided these 12 credits have been approved by the appropriate dean). Overall, at least twenty-five percent (25%) of the semester credit hours needed for degree conferral must be earned at the University.**
7. **A graduation fee is required, and students must purchase academic regalia for participation in the graduation convocation through the University Bookstore.**

### Semester Hours and Quality Point Requirements for Graduation

1. A minimum of **120 credit hours** of college credit must be completed for an undergraduate degree.
2. A student must earn a **quality point average or GPA of at least 2.00 for all college courses attempted.**
3. A student must have grades of **"C" or better in all courses taken to fulfill the major requirements.**

### Graduating Under a Given Bulletin

A student may expect to earn a degree in accordance with the requirements of the curriculum outlined in the bulletin in force when he or she first entered the University, provided the courses are being offered. He or she must complete these requirements within six years. In addition, he or she may graduate under any subsequent bulletin published while he or she is a student. If a student elects to meet the requirements of a bulletin other than the one in force at the time of his or her initial enrollment, he or she must meet all requirements of the bulletin he or she selects. The University reserves the right to impose changes in academic requirements upon any student in residence.

### Residence Requirement

**A candidate for graduation must earn, in residence, the last thirty (30) semester hours that are offered for the degree. Some instructional units have additional residency requirements.** A transfer student from another institution must (1) spend at least two semesters in full-time residence work; (2) secure credit in residence for at least 12 semester hours of upper division courses in his or her major and six hours of upper division courses in his or her minor or 18 semester credit hours at the junior/senior level for a composite major.

### Application for Graduation

A student expecting to graduate must file an application for graduation. The student should be within 30 hours of completion of the required hours for graduation and should file the application before the semester in which he or she intends to graduate. The filing deadline is printed each semester in the schedule of courses. Prior to applying for graduation, the student should



review his or her academic records and his or her online degree audit, which matches completed coursework against listed degree requirements, with an academic advisor to verify he or she is eligible to apply for graduation. The student should then obtain an application with instructions for completion from his or her major department. Each applicant must submit a printed degree audit along with the completed application for graduation.

**Students should keep their graduation filing fee receipts. These receipts must be presented at the time caps and gowns are purchased at the University Bookstore.**

### Financial Clearance

Students who are indebted to the University will not be allowed to participate in commencement exercises. Such obligations include traffic and parking fines, library fines, housing fees, and any miscellaneous fees. Students who are not sure about the status of their indebtedness should check with the Bursar's Office prior to final examinations. If there is a dispute concerning payment of a bill, receipts should be presented to verify payment.

### Graduation Fees

Graduation fees are subject to change. They are due and payable at the time of one's application for graduation. These fees include cap and gown rental. Invitations are optional and may be ordered through the University Bookstore one month or more prior to commencement. Caps and gowns are also ordered through the University Bookstore.

	Doctoral	Law	Master's	Bachelor's	Pharmacy
Microfilm Service	\$40.00				
Binding Fee	\$28.00		\$12.50		
Postage & Handling	\$10.00				
Diploma Fee	\$16.50	\$16.50	\$15.00	\$11.50	\$29.75
Cap, Gown, Hood	\$95.00	\$16.50	\$27.50	\$11.50	\$29.75

### Graduation with Honors

1. Special honors in three grades are awarded in recognition of superior scholarship in the work leading to the bachelor's degree. These honors are awarded at commencement and are shown on the diplomas of the recipients.
2. To be eligible for graduation honors, a student must have completed (exclusive of correspondence and extension work) at least 60 semester hours in the upper division of the University. The quality point average which shall be used for awarding graduation honors shall be the smaller of the following two quality point averages:
  - a. **The quality point average for all work taken in all colleges attended.**
  - b. **The quality point average for all work taken at Texas Southern University.**
3. The three grades of honors and the quality point averages for each are as follows:
  - a. **Summa Cum Laude** is awarded to the candidate for graduation whose quality point average is 3.75 or above.
  - b. **Magna Cum Laude** is awarded to the candidate for graduation whose quality point average is between 3.50 and 3.74 inclusive.
  - c. **Cum Laude** is awarded to the candidate for graduation whose quality point average is between 3.25 and 3.49 inclusive.

### Commencement

Commencement exercises are held each year in May and December for students who qualify for graduation from Texas Southern University. All such students are expected to participate in one of these two exercises as appropriate. Juris Doctor and graduate students who are within six hours of completing their degree requirements and/or completion of required examination, and Doctor of Pharmacy students who are within two advanced pharmacy practice experiences (APPEs) and/or completion of required examination are eligible to participate in May commencement.

Commencement is a solemn and special occasion in the lives of students, and they are expected to behave in a manner commensurate with the magnitude of the occasion. While attending commencement exercises, students and their guests are expected to maintain decorum that is reasonable and befitting of a public event of special significance. Because commencement exercises are formal events, graduates are expected to abide by the University's policy on appropriate attire that is announced in advance of the ceremonies.

## DUAL DEGREE AND DOUBLE MAJOR POLICY

### Dual Degree Policy

Dual degrees can be applied for and earned by students interested in fulfilling requirements of two different majors in two different baccalaureate degree (e.g., B.A., B.S., B.B.A.) programs (e.g., a student fulfilling requirements for a B.S. in mathematics and a B.A. in psychology). Students should plan to graduate from the two degree programs simultaneously, and must identify one of the two majors as the primary major, the choice of primary major will determine the students' academic home of record and graduation-related activities. For majors that require a minor, the minor must be in a discipline different from that of the student's second major. The University Core Curriculum Requirement and Other Requirement courses may apply towards the first and second majors. Approved students who complete requirements for two majors in two different degree programs may earn two (2) separate degrees from the University.

Students with two majors must follow any application procedures and meet admission requirements that have been established for both majors. In addition, students with two majors must pay applicable major-related fees \* for both fields and are encouraged to use the advising and student services provided by both majors. Decisions about admission to programs, honors, scholastic probation, and dismissal are independently determined by the two Schools or Colleges. A student who chooses to pursue two majors simultaneously is expected to take responsibility for his or her educational development.

Major	Core Curriculum Requirements	Major Curriculum Requirements	Minor Requirements	Other Requirements
<b>Primary Major</b>	Required: 45	Required: 30- 36	Required: 21+	Required: 12+
<b>Secondary Major</b>	N/A	Required: 30-36	N/A	N/A

\* Students should be advised that Financial Aid will support only up to 180 credit hours of coursework.

### Double Major Policy

Double majors can be applied for and earned by students interested in fulfilling requirements of two different majors (e.g., Journalism and Organizational Communication) that are either within the same discipline (e.g., communication) or of two different majors within the same baccalaureate degree (e.g., B.A., B.S., B.B.A.) program (e.g. a student fulfilling requirements for a B.S. in mathematics and a B.S. in elementary education). Students should plan to graduate from the two majors simultaneously and must identify one of the two majors as the primary major, the primary major will determine the students' academic home of record and graduation-related activities. For degree programs that require a minor, the minor must be in a discipline different from that of the students' second major. The University Core Curriculum Requirement and Other Requirement courses may apply towards the first and second majors. Approved students who complete requirements for two majors may earn one (1) degree from the University that lists both majors.

Students with two majors must follow any application procedures and meet admission requirements that have been established for both majors. In addition, students with two majors must pay applicable major-related fees\* for both fields and are encouraged to use the advising and student services provided by both majors. Decisions about admission to programs, honors, scholastic probation, and dismissal are independently determined by the two schools or colleges. A student who chooses to pursue two majors simultaneously is expected to take responsibility for his or her educational development.

Major	Core Curriculum Requirements	Major Curriculum Requirements	Minor Requirements	Other Requirements
<b>Primary Major</b>	Required: 45	Required: 30- 36	Required: 21+	Required: 12+
<b>Secondary Major</b>	N/A	Required: 30-36	N/A	N/A

\* Students should be advised that Financial Aid will support only up to 180 credit hours of coursework.

## GENERATION OF STUDENT TRANSCRIPTS

Students may request in writing, from the Registrar's Office, official transcripts of coursework indicating each course attempted, each grade earned, and credit hours associated with each course. Each request requires a processing fee.

Student Records (transcripts) will not be released under the following circumstances:

1. All student records are not on file in the University Registrar's Office.
2. The requesting student has not cleared all bills (academic or financial).
3. The requesting student has a record hold imposed by the Office of Financial Aid or the Office of General Counsel
4. The requesting student has not paid the transcript fee.

In the event that a student experiences a legal change of name, he or she should submit a completed Name Change Request Form and official documentation of the change. The Registrar's Office will record a copy of the required documentation, which may include, but is not limited to marriage license, divorce decree, court document, passport, and naturalization certificate.

## RIGHT TO PRIVACY

The Family Educational Rights and Privacy Act of 1974 is a federal law designed to protect the privacy of a student's educational records. In compliance with this act, the University may release information to the general public that may be thought of as "directory information" without the written consent of the student. However, students may request that this information be withheld from the public by giving written notice to the Registrar's Office. **"Directory information" includes the following: (1) name, (2) address, (3) telephone number, (4) date and place of birth, (5) weight and height of members of the athletic teams, (6) participation in officially recognized activities and sports, (7) dates of attendance, (8) educational institution most recently attended, and (9) other information (such as major field of study, degrees earned, and awards received).**

Students desiring to have "directory information," as specified above, withheld from the public should give written notice of this desire to the Registrar's Office during the first twelve (12) days of class during a regular semester (fall or spring) or the first four (4) days of class during a summer term. These written notices must be transmitted in person. **No transcript or other academic or disciplinary record related to an individual student will be released without the written consent of the student for such a release, except as specified by law.**

## FEES AND EXPENSES

### Resident Status

Students enrolled at the University can be classified as resident, nonresident, or foreign. All students attending Texas Southern University who are nonresidents of this state will be charged additional tuition in accordance with state law. The burden of registering under proper resident status is the responsibility of the student. Nonresidents are persons who are residing in the State of Texas fewer than twelve (12) months immediately preceding their initial registration.

A request for a change of resident status for tuition purposes should be made as soon as the student has met the requirements for residency change, but no later than the 4th class day for a summer session or the 12th class day for a fall or spring semester. Changes made after the 4th/12th class day will apply only for future semesters. All required documents must accompany the Residency Application form, which is available in the Office of the Registrar on the second floor of Bell Hall.

The determination of resident classification for tuition purposes is governed by statutes enacted by the Texas Legislature and by rules and regulations promulgated by the Texas Higher Education Coordinating Board. These regulations may be reviewed in the Robert J. Terry University Library in the Reserved Area.

### Required Residency Documentation

The Texas Higher Education Coordinating Board requires that Texas Southern University document each student's residency. In order to apply for Texas residency status for tuition purposes, one must be either a U.S. citizen or permanent resident. The following documents indicating that the student has resided in the State of Texas for 12 continuous months prior to registration may be **REQUIRED:**

## Documentation To Support Domicile And Residency

The following documentation may be requested by the institution in order to resolve issues raised by responses to the Core Residency Questions. The listed documents may be used to establish that the person is domiciled in Texas and has maintained a residence in Texas continuously for 12 months prior to the census date.

### **PART A: Documentation That Can Support the Establishment of a Domicile and Demonstrate the Maintenance of a Residence in Texas for 12 Months**

1. An employer's statement of dates of employment (beginning and current or ending dates) that encompass at least 12 months. Other documents that show the person has been engaged in activities intended to provide an income to a person or allow a person to avoid the expense of paying another person to perform the tasks (as in child care or the maintenance of a home) may also be used, as well as documents that show the person is self-employed or employed as a homemaker, or is living off his/her earnings or through public assistance. Student employment such as work-study and the receipt of stipends, fellowships or research or teaching assistantships does not qualify as a basis for establishing a domicile.
2. For a homeless person, written statements from the office of one or more social service agencies located in Texas that attest to the provision of services to the homeless person for the 12 months prior to the census date of the term in which the person enrolls.

### **PART B: Documentation Which (if accomplished and maintained for the 12 months prior to the census date of the term in which the person enrolls and if accompanied by at least ONE type of document listed in Part C) Can Support the Establishment of a Domicile and Demonstrate the Maintenance of a Residence in Texas for 12 Months**

1. Title to real property in Texas
2. Marriage certificate with documentation to support that spouse is a domiciliary of Texas
3. Ownership of business in Texas with documents that evidence the organization or the business as a partnership or corporation and reflect the ownership interest of the person or dependent's parent
4. State or local licenses to conduct a business or practice a profession in this state.

### **PART C: Documents That May Be Used to Demonstrate Maintenance of a Residence for 12 Months**

These documents do not show the establishment of a domicile. They only support a person's claim to have resided in the state for at least 12 months. Activities in Part A and B of this Chart may be used to establish a domicile.

1. Utility bills for the 12 months preceding the census date
2. A Texas high school transcript for a full senior year of attendance preceding the census date
3. A transcript from a Texas institution showing presence in the state for the 12 months preceding the census date
4. A Texas driver's license or Texas ID card with an expiration date of not more than four years
5. Cancelled checks that reflect a Texas residence for the 12 months preceding the census date
6. A current credit report that documents the length and place of residence of the person or the dependent's parent
7. Texas voter registration card that has not expired
8. Pay stubs for the 12 months preceding the census date
9. Bank statements reflecting a Texas address for the 12 months preceding the census date
10. Ownership of real property with copies of utility bills for the 12 months preceding the census date
11. Registration or verification from licensor, showing Texas address for licensee
12. Written statements from the office of one or more social service agencies, attesting to the provision of services for at least the 12 months preceding the census date
13. Lease or rental of real property, other than campus housing, in the name of the person or the dependent's parent for the 12 months preceding the census date

Photocopies of the above items are required with the completed application. Students who do not provide required documentation will be charged nonresident tuition.

If there is a question of a student's legal resident status under state law and University rules, it is the duty of the student to obtain an opinion from the Student Resident Status Advisor prior to registration. **Any attempt on the part of the nonresident to evade the nonresident fee will be taken seriously and may lead to expulsion.** Nonresident students are given official notice of their nonresident classification at the time of admission. A student who is classified as a nonresident but who pays the resident fee at any subsequent registration after he or she has been officially advised in writing of nonresident status will receive a penalty of loss of credit.

## Tuition and Fees

**The University reserves the right to adjust fees without prior notice.** A list of tuition and regular fees to be paid by all students enrolled for any semester hours is available through the Office of the University Comptroller. In addition to these fees, one should add estimates of special laboratory fees and the cost of books and supplies to arrive at an approximate total amount needed at the time of registration.

**All payments to the University should be made by online payment, by credit card, or by cashier's check, money order, or personal check** made payable to Texas Southern University. Personal checks will not be accepted for any amount in excess of the total amount due. Postdated checks will not be accepted. There will be a \$25.00 charge for each check returned for any reason. **Temporary checks are unacceptable.**

**Tuition.** In all colleges and schools of the University except the Thurgood Marshall School of Law, each student who is a resident of the State of Texas is required to pay tuition at a rate of not less than \$100.00 per semester or \$50.00 for each six-week term. A nonresident or foreign student is required to pay tuition per semester hour. Information on specific rates may be secured from the Office of the University Comptroller. **This fee is refundable.**

**Designated Tuition.** The Building Use Fee, of a prorated amount per semester hour, is charged to all students. This fee is used to construct, equip, repair, and renovate buildings and facilities. **This fee is refundable.**

**Student Service Fee.** The Student Service Fee is used to support certain extracurricular activities, such as student publications, special cultural programs, the marching band, and the athletic programs. This fee also provides for general health counseling, minor medication, and treatment in the Student Health Center. **It does not include special medicines, dental care, treatment by specialists, or hospitalization.** The amount of the fee depends on the number of credit hours for which the student is enrolled, and it is charged to all students enrolled at the University during a regular semester.

Students enrolled for 12 or more credit hours in each of both semesters of a school year are entitled to receive one copy of the University annual. Students enrolled full-time for only one semester may also receive the annual by paying an additional fee. **This fee is nonrefundable.**

**Student Center Fee.** The Student Center Fee is used for operating, maintaining, improving, and equipping the Student Center and acquiring or constructing additions to the Student Center. **This fee is nonrefundable.**

**Library Service Fee.** The Library Service Fee is used for operating, maintaining, improving, and equipping the Robert J. Terry Library and for providing library services to students. **This fee is nonrefundable.**

**International Education Fee.** The International Education Fee is used to assist students participating in international student exchange or study programs in accordance with guidelines jointly developed by the student governing body and University administration. **This fee is nonrefundable.**

**Recreational Facility Fee.** The Recreational Facility Fee is used for constructing, operating, maintaining and equipping the recreational facilities and programs. **This fee is refundable.**

**Intercollegiate Athletics Fee.** The Intercollegiate Athletics Fee is imposed by the Board of Regents of Texas Southern University on each student enrolled at Texas Southern University. This fee is used to develop and maintain an intercollegiate athletics program at the University. **This fee is nonrefundable.**

**Medical Service Fee.** The Medical Service Fee is used for operating, maintaining, improving, and equipping the medical service facility; acquiring and constructing additions to the medical service facility and providing medical services to students. **This fee is refundable.**

**Computer Service Fee.** The Computer Service Fee is assessed per semester to all students enrolled at the University to help support the provision of computer services to students. **This fee is nonrefundable.**

**School Fee.** The School Fee is assessed by each college or school to all students enrolled in its component major programs in order to support administrative costs. **This fee is nonrefundable.**

**Late Registration Fee.** Texas Southern University reserves the right to conduct registration according to students' last name, major area, or any other delimiting factor. Students are required to register at the time indicated by the class schedule. Failure to complete registration on the date specified, but before the absolute deadline, may result in a late fee assessment. **This fee is nonrefundable.**

**Drop/Add Fee.** A student making a course change or changes after payment of initial tuition and fees may be charged for each change. **This fee is nonrefundable.**

**Installment Handling Fees.** Tuition and fees during the fall and spring semesters may be paid by one of two options:

1. Full payment of tuition and fees by the twentieth day of class or
2. One-half payment of tuition and fees by the twentieth day of class, one-fourth by the start of the sixth week, and one-fourth by the start of the eleventh week.

Students electing to pay their tuition and fees on the installment plan will be assessed a handling fee for the three-payment plan. Students are also assessed a fee for each delinquent payment. **These fees are nonrefundable.**

A student who fails to make full payment or a first installment payment of tuition and fees, including any incidental fees, by the due date may be barred from classes until full payment is made. A student who fails to make full payment prior to the end of the semester may not receive credit for the work done that semester. University records may be adjusted to reflect the student's failure to enroll properly for that semester.

**Late Payment Fee.** A student who fails to pay tuition and fees by the posted deadline will be assessed a late payment fee. **This fee is nonrefundable.**

**Laboratory Fee.** Fees are assessed for studio and laboratory courses in the following academic disciplines: art, biology, chemistry, education, geology, human services and consumer sciences, music, pharmacy, human performance, physics, and technology. **This fee is nonrefundable.**

**SEVIS International Fee.** International students are required to pay an administration fee for University compliance with the federal student exchange system. **This fee is nonrefundable.**

**Orientation Fee.** First-time students are required to pay a fee for the orientation program and related activities. **This fee is nonrefundable.**

**Health Insurance.** The University provides minimal health care for students. All residence hall occupants are required to be covered by hospitalization insurance. For students without such coverage, a student hospital, medical, and surgical insurance policy is available through the Student Health Center.

**Room and Board.** Residence hall occupants will be required to sign a Housing-Food Service Contract for the entire academic year before being admitted to the facilities. **The Housing-Food Services Contract is personal and may not be transferred or assigned to another person.** Any violator will be subject to immediate disciplinary action. **Room and Board charges are assessed on an annual basis.**

**Parking Fee.** Students who need to park vehicles in designated student lots on the campus must pay for parking decals to attach to their vehicles. These decals will indicate the parking lot. This fee is assessed on a semester or term basis. **Refunds for parking fees must be applied for separately through the Department of Public Safety.**

**Other Fee(s).** Other fees, not specified in this section, may be charged by colleges, schools, departments, or other offices at the University. Students will be apprised of these fees and their designated purposes at the time that they are incurred.

## REGULATIONS GOVERNING REFUNDS

### Dropped Courses

Any student who drops courses within the first twelve (12) days of a fall or spring semester or within the first four (4) days of a summer term and remains enrolled in the University will receive refunds applicable to tuition paid for those courses.

### Withdrawals

**Refunds for courses enrolled in during a fall or spring semester by a student who officially withdraws from the University** are calculated according to the following percentage schedule:

- Prior to the first day 100%
- During the first week of class 80%
- During the second week of class 70%
- During the third week of class 50%
- During the fourth week of class 25%
- After the fourth week of class 0%

**Refunds for courses enrolled in during a summer term by a student who officially withdraws from the University** are calculated according to the following percentage schedule:

- Prior to the first day 100%
- During the first, second, or third class day 80%
- During the fourth, fifth, or sixth class day 50%
- Seventh day of class and thereafter 0%

**Refunds are granted for those fees designated as “refundable.” The refundable fees assessed at registration are tuition and designated tuition.** These fees are calculated based upon the number of semester credit hours for which a student registers. Refunds of refundable fees are calculated based upon the total amount of these fees assessed at registration and not on the basis of the amount of the total that has been paid if a student is paying on an installment basis.

Students who are not indebted to the University should expect to receive checks by mail after the fourth week of class during a regular semester and after the third week of class during a summer term. Students who pay fees through financial aid/assistance (including Guaranteed Student Loans) will receive refunds only if the Office of Student Financial Assistance determines that refunds are due.

Students who register for courses that are either paid for directly or paid through the use of financial aid/assistance are considered enrolled at the University until they officially withdraw through the Office of the University Registrar. **Ceasing to attend classes or stopping payment of checks for fees owed without officially withdrawing from the University will result in semester grades of “F”. Thus, any remaining balance owed to the University by a student who ceases to attend classes, but who does not officially withdraw through the Office of the University Registrar, is still due and NOT subject to reduction.**

### Refund of Room and Board Fees

Dormitory residents are required to sign a HousingFood Service Contract for the entire academic year. The University’s policy concerning refunds associated with room and board fees is stated in the contract. Where refunds are applicable, application for such refunds must be made within one year after official withdrawal.

### Refund of Graduation Fees

Graduation fees cannot be transferred to another graduation period. Applications for refunds of the May diploma fee must be made in writing at the Bursar’s Office prior to March 1. No other refunds shall be granted. **Summer graduates have no refund grace period inasmuch as orders are placed immediately upon receipt of their applications for graduation.**

### Financial Obligations

No person who is indebted to the University in any amount will be permitted to graduate, receive transcripts, reenroll at the University, or receive any refunds.

## TUITION REBATE PROGRAM FOR UNDERGRADUATES

In accord with Section 54.0065 of the Texas Education Code, as authorized by Texas Senate Bill 1907, Texas Southern University provides tuition rebates of \$1,000.00 each to undergraduates who complete baccalaureate degrees with no more than three semester credit hours attempted in excess of the minimum required for the major specified in the university bulletin under which they graduated. Specifically, a student qualifying for this rebate must meet the following conditions as set forth in the Texas Education Code:

1. The student took his or her first college course in Fall 1997 or later,
2. The student was a Texas resident at all times while pursuing his or her degree,
3. The student was entitled to pay resident tuition at all times while pursuing his or her degree,
4. The student has not yet graduated, and
5. The student has not attempted more than three semester credit hours in excess of the minimum number of hours required for his or her degree. Hours attempted include for-credit developmental courses, repeated courses, courses dropped after the official census date, transfer credits, course credit by examination, and internship and cooperative education courses. Courses dropped for reasons that the University determines to be totally beyond the student's control shall not count toward these attempted hours.

Students meeting the criteria referenced above who wish to take advantage of this program must complete a rebate application form and submit it to the Registrar's Office prior to graduation from Texas Southern University.

## TYPES OF FINANCIAL AID AND ASSISTANCE

### **Pell Grant Program (Basic Educational Opportunity Grant)**

The Pell Grant is a Federal Aid Program designed to assist students in pursuing their first undergraduate degree. Students should apply for a Pell Grant by completing and submitting the U.S. Department of Education's Federal Application for Federal Student Aid (FAFSA), preferably through online submission at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). The student will receive an electronic e-mail response with instructions for viewing the FAFSA. He should immediately access the application, review it, and then correct any errors with the U.S. Department of Education. Pell Grant award amounts are calculated once all student data is complete and verified.

Awards depend on the expected family contribution, the number of semester hours the student is enrolled in, the cost of education, and the number of semesters of enrollment. **Students who already have a baccalaureate degree from any country are not eligible. International students seeking their first undergraduate degrees are not eligible, nor are early-admit high school students.**

### **Federal Supplemental Educational Opportunity Grant (FSEOG)**

The Federal Supplemental Educational Opportunity Grant (FSEOG) is a federal grant for students that have not received a baccalaureate degree and who are eligible to receive a Federal Pell Grant and demonstrate financial need. Students must be enrolled at least half time to be considered.

### **Texas Public Education Grant (TPEG)**

The Texas Public Education Grant is a state grant for resident and nonresident students with established financial need according to federal guidelines. Students must be enrolled at least half time to be considered.

### **Texas Grant**

The Texas Grant requires the receipt of an official high school transcript indicating that the student graduated in the recommended or distinguished curriculum. The student must be a Texas resident, must have an expected family contribution under \$4000, must register in a minimum of 12 hours per semester, and must not have graduated from high school prior to 1989. Continuing students must meet the state mandated satisfactory academic progress requirements. Complete grant information may be obtained at [www.collegefortexans.org](http://www.collegefortexans.org).



## TEACH Grant

The Teacher Education Assistance for College and Higher Education (TEACH) Grant Program provides grants of up to \$4,000 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. In exchange for receiving a TEACH Grant, students must agree to serve as a full-time teacher in a **high-need field** in a public or private elementary or secondary school that serves **low-income students**. Recipients of a TEACH Grant must teach for at least four academic years within eight calendar years of completing the subsidized program of study. Complete grant information and program requirements are published on the Federal Student Aid Web site at <http://teachgrant.ed.gov>.

To receive the TEACH Grant, a student must meet the following criteria:

- Complete the Free Application for Federal Student Aid (FAFSA). Demonstrated financial need is not needed.
- Be a U.S. citizen or eligible noncitizen.
- Be enrolled as an undergraduate, post-baccalaureate, or graduate student in a postsecondary educational institution that has chosen to participate in the TEACH Grant Program.
- Be enrolled in coursework that is necessary to begin a career in teaching or plan to complete such coursework. Such coursework may include subject area courses (e.g., math courses for a student who intends to be a mathematics teacher).
- Meet certain academic achievement requirements (generally, scoring above the 75th percentile on a college admissions test or maintaining a cumulative GPA of at least 3.25).
- Sign a TEACH Grant Agreement to Serve.

**As other grant programs become available at the University, students should directly contact the Office of Student Financial Assistance for pertinent information.**

## Scholarships

The Scholarship Application is available at <http://em.tsu.edu/financialaid/scholarships/index.php> or by contacting the Scholarship Office, located on the second floor of the Recreation Center. The application should be completed and returned in a timely manner to the same office. Once the application is received, the applicant is considered for all available scholarships by the Scholarship Committee, which operates in conjunction with the Office of Student Financial Assistance. The deadline for receipt of scholarship applications is determined annually by the Scholarship Office. Students' applications received by March 15<sup>th</sup> will receive priority consideration for scholarships.

Prospective students may wish to address certain offices or departments for scholarship assistance.

Outstanding high school students who have been newly admitted to the University are encouraged to apply for scholarships through the Thomas Freeman Honors Program, as referenced earlier, at the time of their admission. Further information may be obtained by calling (713)-313-7458.

Students who are admitted to the University and who wish to participate in competitive sports may qualify for athletic scholarships. Detailed information on these scholarships (along with designated qualifications) may be obtained by calling (713)-313-7671.

The United States Army through its Army Reserve Officers' Training Corps (ROTC) Scholarship Program provides financial assistance for the undergraduate education of highly qualified and motivated young men and women who ultimately want to pursue careers as commissioned officers in the United States Army after graduation. Detailed information on this program may be obtained by calling (713)-743-3875.

Through a number of the instructional units at the University, various types of academic scholarships are available. These scholarships are awarded directly by the sponsoring units, which should be contacted directly through information numbers referenced in this document.

## Federal Work-Study Program

Financial aid applicants may be eligible for assistance under the **Federal Work-Study Program**. These funds, however, are not available to international students or to high school students who have gained early admission to the University. Students may work an average of 20 hours each week. Students must attend a mandatory orientation prior to placement by the program coordinator and starting work. Students may contact the Support and Academic units within the University to determine availability of employment opportunities. Generally, a student may explore opportunities that meet the student's academic

interest, skills, and work preference. Students are paid at a rate above the national minimum wage as approved by the University at the time that eligibility is established.

## Loans

The loan programs described below are not available to international students or to high school students who have gained early admission to the University.

Federal Direct Loans are low-interest loans for students and parents to help pay for the cost of a student's education after high school. The lender is the U.S. Department of Education, though the entity dealt with, your loan servicer, can be a private business. With Direct Loans, the student borrows directly from the federal government and has a single contact, his or her loan servicer, for everything related to repayment, even if one receives Direct Loans at different schools. Federal Subsidized and Unsubsidized loans are available to students that may not qualify for more restrictive aid programs based solely on need. Federal Direct Plus Loans are available for parent and graduate borrowers who do not have an adverse credit history.

**As other programs become available at the University, students should contact the Office of Student Financial Assistance directly for pertinent information.**

## FINANCIAL AID ELIGIBILITY REQUIREMENTS

In order to maintain eligibility for consideration for financial aid, students must meet the standards set forth in Texas Southern University's policy on Satisfactory Academic Progress (SAP). **There are three facets of the individual student record that determine financial aid eligibility: credit hours, grades, and time frame.** The requirements in each facet vary in accordance with academic status (undergraduate, graduate, or professional student), the college or school of enrollment, and enrollment status (full-time, half-time, or less than half-time). Time frame is always included regardless of the level, enrollment status or degree objective for the student when considering the financial aid satisfactory academic progress standards.

### *Credit Hours and GPA*

**Students receiving financial aid must satisfy the qualitative component, credit hours attempted and earned (ratio) and qualitative component, the cumulative grade point average (GPA) needed** based upon their individual academic classifications to maintain eligibility. Students receiving aid have their overall enrollments at the University reviewed at the end of the spring semester. If they meet or exceed the minimum SAP standards, the student's next scheduled review will occur annually at the end of the subsequent spring term. If they fail to meet the minimum SAP standards, the student is placed on financial aid suspension and must appeal for reinstatement of eligibility to receive aid. If the student successfully appeals and is approved to regain eligibility to receive aid, the student is placed on financial aid probation and the student's SAP is measured at the end of each subsequent term. If the student meets the minimum financial aid satisfactory academic progress requirements, the student regains eligibility to receive Title IV aid. If the student fails to meet the minimum requirements or the requirements outlined in the academic plan, the student is placed on financial aid suspension and may not automatically regain eligibility until the student has met the minimum financial aid satisfactory academic progress requirements for their category. The student may appeal for reinstatement after earning a 2.0 in at least 6 hours at an accredited two-year or four-year University, junior or community college prior and meets other federal acceptable terms for reentry into the financial aid programs.

### *Time Frame*

With regard to the **time frame needed** to maintain eligibility, students will be considered for financial aid for a limited time only. Their enrollment in all postsecondary institutions, regardless of financial aid support, is considered when determining the total number of credit hours that they are allowed to enroll in with the benefit of financial aid. **The Office of Student Financial Assistance should be contacted directly regarding the specifics of time frame limitations.** Students are notified when they are approaching enrollment in the maximum number of credit hours permitted. If students exceed this number before finishing their individual programs of study, then they will no longer be eligible to receive federal student assistance.

### **Financial Aid Probation**

Students are placed on financial aid suspension with regard to the receipt of financial aid for their next semester of attendance. Students placed on financial aid suspension are required to submit an appeal containing a SAP appeal form, letter of explanation, plan of action for improving their academic performance and academic plan to regain eligibility to receive aid. Submission of an appeal does not automatically reestablish eligibility to receive aid. If they are successful in appealing the financial aid suspension

the student is placed on financial aid probation. If the student has an established academic plan and meets the standards outlined in the academic plan, the student is continued on financial aid probation. To be removed from this probation, students must complete the requisite number of semester credit hours with the corresponding GPA to regain unconditional eligibility under the Satisfactory Academic Progress (or SAP) policy. Students who meet the conditions of outlined in the approved appeal and an academic plan, but continue to fall below the minimum requirements continue to receive aid on probationary status. If these conditions are not met the student will be placed on financial aid suspension and may not regain eligibility until the student has met the minimum financial aid satisfactory academic progress requirements for their category or meets other federal acceptable terms for reentry into the financial aid programs.

### **Financial Aid Suspension**

Students who fail to earn the required semester credit hours and achieve the required GPA while on financial aid probation will be placed on financial aid suspension. Thus, they will no longer be eligible to receive federal student assistance. In order to return to financial aid probationary status, students must meet the minimum financial aid satisfactory academic requirements. Students failing to meet the minimum requirements must earn a 2.0 in at least 6 hours at an accredited two-year or four-year university prior to appealing for reinstatement of the financial aid eligibility. The student must submit a financial aid appeal for consideration of reinstatement of aid. Submission of an appeal after achieving a 2.0 does not automatically reestablish eligibility to receive aid; appeals will be considered on a case by case basis for reinstatement of aid.

### **Exclusions**

The following types of registration or grades cannot be used to fulfill conditions for the removal of financial aid probation or suspension: advanced placement credits, credits earned through the credit by examination process, independent study courses, and grades of withdrawal (W), incomplete (I), in progress (R), unsatisfactory (U), and fail (F).

### **Additional Academic Requirements**

If a student applies for financial aid, their eligibility will be based on past performance as measured by the Satisfactory Academic Progress (SAP) standards for financial aid. If a student is a transfer student, he or she will be evaluated within the financial aid SAP maximum time frame based upon the number of semester credit hours accepted by Texas Southern University and subsequently enrolled in at Texas Southern University.

Other factors that students need to be cognizant of with regard to the assessment of financial aid status are as follows:

1. Semester credit hours earned from foreign institutions are included in the financial aid SAP evaluation if these credits are accepted by the University and the college/school in which a major is declared.
2. If a course is repeated, the semester credits earned will count toward the determination of enrollment status and maximum time frame. If a course is repeated due to a failing grade, financial aid may be applied until the student receives a passing grade in the course. If the student receives a passing grade, financial aid may only be applied for the first instance the course is repeated.
3. Courses in which grades of "I" (incomplete) are received do not earn credits to meet the academic year minimum, nor do they influence GPA's in the semester in which they are taken; however, the credits are counted in the maximum time frame.
4. Courses in which grades of "W" (withdrawal) are received do not earn credits to meet the academic year minimum, nor do they influence GPA's in the semester in which they are taken; however, the credits are counted in the maximum time frame. Students may retake courses from which they withdraw, and retaken credits will count toward the determination of enrollment status and minimum credits earned.
5. Credits earned from undergraduate developmental/remedial courses that students are required to take count toward the determination of enrollment status, minimum semester credits earned, and maximum time frame.
6. Credits earned from undergraduate courses taken while students are enrolled as graduate students do not count toward the academic year minimum, nor do they influence GPA's, nor do they count toward the determination of enrollment status or minimum credits earned, unless these credits are specifically required as prerequisites.
7. All undergraduate and prerequisite courses are included in the financial aid time frame for financial aid SAP.
8. Summer terms are considered special semesters and are not automatically monitored to determine financial aid SAP. Students who attend summer terms and who want credits earned during these terms counted with fall and/or spring semester credit totals must make a request for such at the end of the summer terms of attendance.

## **Right to Appeal**

Students placed on financial aid suspension may appeal this status by completing a Satisfactory Academic Progress Appeal Form in the Office of Student Financial Assistance within 30 days of receipt of notification.

Students who believe that they have been identified as not having met financial aid SAP requirements because of the late posting of grades should contact the Office of Student Financial Assistance once grades have been posted. A counselor will then review the information and determine whether or not the SAP requirements have been appropriately met.

Students who are placed on financial aid suspension should submit a Satisfactory Academic Progress Appeal Form, Letter of Explanation, Plan of Action and Academic Plan. The Academic Plan must be obtained from an academic advisor, or designated representative for the department. Students who fail to achieve financial aid SAP standards because of mitigating circumstances (such as illness, injury, family crisis, or credits earned from incomplete courses) should attach supporting documentation with the appeal. The Satisfactory Academic Progress committee will render a decision after reviewing the documentation presented.

Students who attend either one or both summer terms during a year when they have been placed on either financial aid probation or suspension and succeed in increasing their GPA's and/or semester credit hours completed in order to meet the minimum financial aid SAP standards for the year should appeal their status in writing with supporting documentation to the following:

Satisfactory Academic Progress Appeals Committee  
Office of Student Financial Assistance  
Texas Southern University  
3100 Cleburne Street  
Houston, Texas 77004-9987

Decisions on these appeals will be made within 20 business days after their receipt. Students will be notified in writing of the decision.

## RESIDENTIAL LIFE AND HOUSING PROCEDURES

The demand for student housing is quite large. Facilities may not be available for all students who apply. To process applications expeditiously, students must request and submit the appropriate application for the type of accommodation desired.

Texas Southern University (TSU) has launched a new learning and living program. The Urban Academic Village is available to a select group of incoming freshmen. Only 400 of our 1,200 incoming freshmen will be selected to participate in this pilot program that includes both an academic and a residential learning community.

To begin the housing reservation process, a student will submit a housing application; the student must remit a security deposit and a non-refundable application fee at all housing locations. The application fee will not be credited toward the amount of room and board to be paid at registration. The deposit will remain with the University as long as the student is under the terms of the Housing-Food Service Contract.

### Housing Deposit/Application Fee Refund Policy

A housing/food service contract may be obtained by students for one academic year (that is, for the fall and spring semesters) and the aforementioned deposit. The deposit will be forfeited if contract is terminated. The deposit is refundable when the student cannot be accommodated. Refunds are made after verifying that the housing balance has been paid in full and the room has been vacated, left clean, and in good order. Cost for damages to facilities, furnishings, and special cleaning are charged to the student. Where responsibility cannot be determined, costs will be divided among the occupants of the room/floor/building involved in the damages.

### Housing Reservations

Reservations are made on a priority basis. Freshmen will be served first priority at the Academic Village and the Lanier East and West Halls. You must be accepted into the Urban Academic Village (UAV) program to reserve housing at the Academic Village. All other incoming freshmen will reside at Lanier East and West Halls. Priority levels exist according to classification. Sophomores are accommodated at the 2<sup>nd</sup> level, followed respectively by juniors and seniors. Assignments depend on housing availability.

All domestic and international students should make applications with applicable fees as early as possible prior to the semester or term in which they wish to attend. **Applicants must be accepted to the University before applying for housing accommodations.**

Assignments are made beginning in April for the fall semesters, and are made in December for the spring semester. Every effort will be made to honor specific room requests; however, room/hall assignments are made on a space-available basis.

### Housing Cancellations

All requests for cancellation of housing reservation must be in writing and submitted to the housing office within two (2) weeks upon receipt of your application. If the request is submitted in time, applicants are eligible to receive the deposit.

All requests for termination of housing/food contracts must be submitted in writing to the housing office located at 3505 Blodgett St, Houston, Texas 77004 by November 1<sup>st</sup> each calendar year.

### Resident's Responsibilities

Students are cautioned to read carefully all terms and conditions stated on the application form, information bulletins, and housing/food service contracts. Students will be held accountable for adherence to the contents of all contractual information. Once a student is assigned to a room, he/she is responsible for its maintenance (i.e., keeping the room in good condition) and shall be held responsible to the University for damages to equipment and furnishings. Charges will be assessed for damages or defacements beyond normal wear and tear.

Texas Southern University strongly urges students to provide personal property insurance via a rider on the family's homeowners insurance or by purchase of a personal property insurance policy provided by a third party insurance provider.

**All residents are expected to familiarize themselves with and abide by the Housing Rules and Regulations and the Student Code of Conduct. Violation of University Rules and Regulations could result in disciplinary actions taken by the Housing Judiciary Committee, Head Resident Counselor, and/or the Office of Judicial Affairs.**

The Residential Life and Housing Office is located at 3505 Blodgett in the Tierwester Oaks leasing office, and the telephone number is (713)-313-7206.

## ERNEST S. STERLING STUDENT LIFE CENTER

As the “Hub of University Life,” the Student Center is a laboratory of citizenship and provides an educational experience for the development of successful leadership skills in numerous broad-based college union activities. The Center provides educational, cultural, social, and recreational programs as well as leisure activities for the entire University community.

This four-story structure in the center of the campus contains a 1,000-seat cafeteria, a pizza and fried chicken shop, and the University Bookstore. Offices for the Student Government Association, the University Program Council, and Student Publications (**Herald Newspaper and Tiger Yearbook**) are also located here. Social events, special meetings, luncheons and receptions are held in the Tiger Room and in the President’s Lounge. The Center houses a student computer lab, a bowling facility, barber and beauty shops, a game room, a television room, reading lounges, a meditation room, and a terrace on the roof. It is also equipped to receive closed circuit television. Special features include an automatic teller machine for banking services, METRO bus pass service, and graphic services for campus clubs and organizations.

## STUDENT SERVICES AND CAMPUS LIFE

### COUNSELING SERVICES

The mission of the University Counseling Center (UCC) is to help students enhance their academic and personal well-being. The UCC seeks to provide crisis intervention, grief counseling, outreach, and other referral services to TSU students.

Confidential counseling services are made available for all currently enrolled TSU students at no charge. Our primary responsibilities are to alleviate distress and promote healthy functioning by providing either short-term or ongoing counseling services. These services include, but are not limited to individuals, couples, family and/or group consultation, referral for on-campus psychiatric services, and public presentations for campus organizations and/or academic classes.

The UCC staff consists of mental health professionals from diverse clinical backgrounds. Some members are licensed mental health professionals. The UCC consults with psychologists, psychiatrists, and physicians when necessary. This practice allows the staff to provide quality counseling, integrated care, appropriate referrals, consultation, and training. The UCC clinical staff are trained and experienced in responding to a variety of issues encountered by university students.

The UCC is located in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call the UCC at 713-313-7804 either to make an appointment or for additional information.

### STUDENT HEALTH SERVICES

Student Health Services offers medical care and educational programs to all students currently enrolled at Texas Southern University. Students who have a validated ID card and a physical examination form with current immunization report on file are eligible for clinic services.

The Student Health Center is located off Tierwester Street at parking lot D. It is staffed by one physician, two nurses and supportive administrative/clerical personnel. To provide care when needed, the Clinic is open year-round and operates on a walk-in basis. The nurses are on duty Monday-Friday from 8:00 a.m.-5:00 p.m. The physician is available from 3:00 p.m.-5:00 p.m. daily. Students may call the Clinic at (713) 313-7173.

The Center is designed and equipped to render service for minor and acute ailments and injuries. On-hand medications and medical supplies available at the Clinic are dispensed free of charge to all students with a validated ID card for the current semester. Specific medications may be obtained from any pharmacy with a prescription written by the school physician. There are no facilities for overnight stay. Two rooms are available for short-term day observation. For services beyond the scope of the University physician, students are referred to local health care providers. Expenses for services of these providers are the responsibility of the student, not the University. Consultations made within the University are free of charge.

No one can get information from a student's medical record without the student's written consent or a court-ordered subpoena. A federal regulation, Health Insurance Portability and Accountability Act (HIPAA), requires our protecting the privacy of your health information.

**Insurance.** Students who reside in University dormitories are provided a basic hospitalization/accident insurance plan. The premium is included in the housing fee. This plan is available to ALL University students for a small fee. The premium is low, and the coverage is minimal. Information is available at the Clinic.

After Clinic hours and on weekends, residence hall students should report any emergency situation or illness to the Dormitory Director. Students living in other University housing should contact Campus Security at (713) 313-7000.

**Health Awareness Programs.** HIV counseling and testing is available in the Center every week. The Center will be presenting informative health programs throughout the fall and spring semester. Information regarding these programs will be posted campuswide. The pamphlet on HIV infection developed by the Texas Department of Health is available.

## COOPERATIVE EDUCATION AND PLACEMENT SERVICES CENTER

The Cooperative Education and Placement Services Center has the major objective of assisting students and alumni with their employment-related needs. The Center staff seeks to assist students with choosing their majors and career interests and gaining relevant work experience, as well as to provide alumni guidance in their full-time professional job search. The Center encompasses four interlocking components: **Career Awareness, Job Location and Development (JLD), Cooperative Education (Co-Op)/ Internships, and Career Planning and Placement.**

Cooperative Education and Placement Services also focuses on developing strong relationships with employers and assisting them in their recruiting needs. Provided services include career fairs, on-campus recruitment, and resume referrals that assist in meeting each organizations needs. If the need is filling internships, cooperative education, or full-time employment opportunities, Cooperative Education and Placement Services is dedicated to providing each organization personal and prompt service.

Whether or not one is a student, an alumnus, or an employer, Cooperative Education and Placement Services is committed to assisting you in meeting your goals. The Center is located in 152 Fairchild Hall. For further information, students should call (713)-313-7346.

## UNIVERSITY TESTING SERVICES

The University Testing Services program renders the following services.

1. The provision of local and national testing programs for its clientele.
2. The collection of relevant and reliable psychometric information about the learner.
3. The collection of relevant and reliable psychometric information about prospective students of Texas Southern University.
4. The provision of test services and test consultations for various components within the University.
5. The provision of counselors and admission officers with test profiles on all freshman students.
6. The provision of academic advisors with test profiles and other relevant test data compiled on their advisees.

University Testing Services offers two specific programs: national testing programs and institutional testing programs.

- A. National Testing Programs are testing programs which are administered nationwide in terms of date and time. They are controlled by test service centers external to the University. Those national testing programs which are currently conducted by University Services are
- American College Testing (ACT) Program Test
  - General Education Development (GED) Test
  - Pharmacy College Admission Test (PCAT)
  - Law School Admission Test (LSAT)
  - Scholastic Aptitude Test (SAT)
  - Test of English as a Foreign Language (TOEFL)
  - Texas Educator Certification (TExES)
- B. Institutional testing programs are programs that are conceived, designed, implemented, and controlled by the University.

## STUDENT SUPPORT SERVICES PROGRAM (THE LEARNING ENHANCEMENT CENTER)

Funded by the United States Department of Education, Texas Southern University's Student Support Services Program (SSSP) is designed to provide academic assistance and counseling to "TRIO" eligible students who are pursuing a baccalaureate degree. All services are provided free of cost so as to empower participants to realize their academic and career goals. Specific programmatic services include the following:



## **TUTORING**

All participants are eligible to receive tutoring. Each participant will be assessed by a staff member to identify critical academic support needs. "Learning Enhancement" tutor/mentors will provide academic support assistance in numerous disciplines.

## **COUNSELING**

The assistant director and academic advisor/counselor will interview and assess each eligible applicant. Together, they will identify the student's academic and self-development needs. Additionally, students will have access to career, personal and academic related counseling services.

## **SEMINARS**

Seminars offered by the program include, but are not limited to, the following: financial aid assistance, test-taking skills, career planning, time management, note-taking skills, GRE, GMAT, LSAT, and MCAT test preparation seminars, and graduate and professional school information. Each seminar is carefully designed with the student's best interest in mind.

## **FINANCIAL AID ADVISEMENT**

The program provides assistance in completing the Free Application for Federal Student Aid (FAFSA) and facilitates seminars/workshops relative to accessing financial aid resources.

## **CULTURAL ENRICHMENT**

Participants are offered an opportunity to attend activities that foster cultural enrichment (e.g., Broadway plays and University theatrical productions).

## **COMPUTER/COPIER/INTERNET ACCESS**

So as to advance academic research, participants are afforded access to educational support resources such as copiers, computers, laptops, printers, and the internet.

## **STUDENT SUPPORT SERVICES PROGRAM ELIGIBILITY CRITERIA**

To qualify for program participation, students must be U.S. citizens or permanent residents and have a need for academic support. Additionally, students must satisfy one of the following criteria:

- be a first-generation college student (neither parent/nor guardian has a four year college degree);
- have an economic need as established by the Department of Education income guidelines; and/or
- manifest a documented learning or physical disability.

## **SSSP LOCATION AND HOURS OF OPERATION**

The Learning Enhancement Center's main office and tutorial laboratory are located in Fairchild 147.

HOURS OF OPERATION: 9 a.m. – 6 p.m., Monday thru Friday.

**For additional information, please call Student Support Services' administrative office at (713) 313-7998/4207 and/or access the project's Web site at [www.tsu.edu](http://www.tsu.edu).**

## **UNIVERSITY PROGRAM COUNCIL**

The University Program Council is composed of students, staff, faculty, and administrators who work in collaboration with the Office of Student Services in implementing programs for the University community. The Council's charge includes sponsoring a comprehensive list of social, cultural, intellectual, and recreational programs which enhance the total development of students.

## **STUDENT GOVERNMENT ASSOCIATION**

The Student Government Association is the supreme governing body of Texas Southern University students. Comprised of three branches, Executive, Legislative and Judicial, the Student Government Association serves as a means whereby students' opinions, views, and aspirations may be properly discussed and acted upon.

Participation in the co-curricular laboratory environment provided by the Student Government Association maximizes opportunities for leadership development and ensures student participation on University committees. Weekly meetings of the Student Government Association are held in the Student Center and are open to all students.

## **CAMPUS ORGANIZATIONS**

The Office of Campus Organizations, which is housed in the Student Center, each year certifies over seventy (70) campus organizations serving the special interests of the campus community. Among those recognized organizations are undergraduate chapters of national fraternities and sororities and social, academic, recreational, religious, and para-professional organizations.

## **STATEMENT OF ETHICAL PRINCIPLES**

### **TITLE IX GRIEVANCE PROCEDURES**

#### **I. PURPOSE AND SCOPE**

It is the policy of Texas Southern University not to discriminate on the basis of sex in its educational programs and activities as required by Title IX of the Education Amendments of 1972. Title IX provides that "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Sex discrimination includes sexual harassment and sexual assault. This policy shall apply to all students, staff, faculty, contractors, vendors, and/or visitors to Texas Southern University.

As a student of the University you are protected from sex discrimination in areas including, but not limited to:

- Admission to schools/colleges
- Access to enrollment in courses
- Access to and use of school facilities
- Counseling and guidance materials, tests and practices
- Vocational education
- Physical education
- Competitive athletics
- Graduation requirements
- Student rules, regulations and benefits
- Treatment as a married and/or pregnant student
- Housing
- Financial assistance
- Health services
- School-sponsored extracurricular activities

As an employee of the University you are protected from sex discrimination in areas including, but not limited to:

- Employment, evaluation, wages, advancement, assigned duties and shifts
- Career advancement
- Other terms and conditions of employment

## II. DEFINITIONS

**A. Sex Discrimination.** Sex discrimination can occur when conduct is directed at a specific individual or a group of identifiable individuals that adversely affects the education or employment of the individual or group because of sex. Behavior that may be sex discrimination include, but are not limited to:

- Exclusion from educational resources or activities because of one's gender
- Subjection to jokes or derogatory comments about one's gender; or
- Being held to different standards or requirements on the basis of one's gender

**B. Sexual Harassment.** Sexual harassment is a form of sex discrimination that can occur when there are:

- Unwelcome sexual advances;
- Request for sexual favors, whether or not accompanied by promises or threats relating to the employment or academic relationship, or that in any way influence any academic or personnel decision regarding a person's academic standing, employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment, career or academic development;
- Any verbal or physical conduct of a sexual nature that threatens or implies, either explicitly or implicitly, that an employee's or student's submission to or rejection of sexual advances will in any way influence any personnel or academic decision regarding his or her academic standing, employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment, career or academic development;
- Any verbal or physical conduct that has the purpose or effect of substantially interfering with an employee's ability to do his or her job or a student's academic standing, performance or development;
- Any verbal or physical conduct that has the purpose or effect of creating an intimidating, hostile or offensive working or educational environment; and
- Certain conduct in the workplace or educational environment, whether physical or verbal, committed by supervisors, non-supervisory personnel, or faculty, including but not limited to references to an individual's body; use of sexually degrading words to describe an individual; offensive comments; off-color language or jokes; innuendoes; and sexually suggestive objects or behavior, books, magazines, photographs, cartoons or pictures.

**C. Sexual Assault.** Sexual assault is a nonconsensual act involving psychological manipulation, physical force, or coercion. As defined by the Texas Penal Code, a stranger or acquaintance commits sexual assault through forcible sodomy, forcible sexual penetration, however slight, of another person's mouth, anal or genital opening with any object. These acts must be committed without the victim's consent either by force, threat of force or violence, intimidation or through the use of the victim's mental or physical helplessness of which the accused was aware or should have been aware.

## III. REPORTING OF COMPLAINTS

Texas Southern University (TSU) encourages any student, employee or visitor who thinks that she or he has been subjected to sex discrimination, sexual harassment or sexual assault by another student, member of the faculty or staff, campus visitor or contractor, to report that action immediately to the University's Title IX Coordinator or a Deputy Coordinator.

Any complaint of sex discrimination, sexual harassment or sexual assault made under this procedure must be submitted in writing within 180 days after the occurrence (or the last of a series of occurrences) of the alleged discrimination.

Every dean, department head, director, supervisor or administrator is responsible for promptly reporting incidents of sex discrimination, sex harassment and sexual assault that come to their attention to the University's Title IX Coordinator or a Deputy Coordinator. All other individuals are urged to report to their supervisors or the University's Title IX Coordinator/Deputy Coordinators conduct that they believe violate the University policies prohibiting sex discrimination.

#### IV. NOTICE OF TITLE IX COORDINATOR/DEPUTY COORDINATORS

While compliance with the law is everyone's responsibility at the University, listed below are the University's Title IX Coordinator/Deputy Coordinators who have primary responsibility for Title IX Compliance.

##### **Title IX Coordinator**

**Keisha David**

Associate Director, Employee Relations and Compliance  
Office of Human Resources  
Hannah Hall, Room 126  
Texas Southern University  
Houston, TX 77004  
(713) 313-7037  
[David\\_KL@tsu.edu](mailto:David_KL@tsu.edu)

Duties and responsibilities of the Title IX Coordinator include monitoring and oversight of overall implementation of Title IX compliance at the University, including, but not limited to coordination of training, education, communications, and administration of grievance procedures for faculty, staff, students and other members of the University community.

##### **Title IX Deputy Coordinators**

###### **For students:**

**Corliss Rabb**

Director of Judicial Affairs  
Office of the Dean of Students  
Recreation Center, Room 200  
Texas Southern University  
Houston, TX 77004  
(713) 313-7956  
[rabb\\_ca@tsu.edu](mailto:rabb_ca@tsu.edu)

**William Thomas**

Associate Dean of Students  
Office of the Dean of Students  
Recreation Center, Room 200  
Texas Southern University  
Houston, TX 77004  
(713) 313-6816  
[thomas\\_wa@tsu.edu](mailto:thomas_wa@tsu.edu)

If you have a complaint against a TSU student for sex discrimination, sex harassment or sexual assault, you should contact the Associate Dean of Students or the Director of Judicial Affairs.

The Associate Dean of Students and the Director of Judicial Affairs are responsible for Title IX compliance for matters involving students, including training, education, communication, and administration of the grievance procedure for all complaints filed against TSU students.

###### **For faculty, staff and visitors:**

**Sanya Sinclair**

Human Resources Generalist  
Office of Human Resources  
Hannah Hall, Room 126  
Texas Southern University  
Houston, TX 77004  
(713) 313-7881  
[SinclairSA@tsu.edu](mailto:SinclairSA@tsu.edu)

If you have a complaint against a TSU faculty member, staff member, visitor or contractor for sex discrimination, sex harassment or sexual assault, you should contact the Office of Human Resources.

The Human Resources Generalist is responsible for Title IX compliance for matters involving faculty and staff, including training, education, communication, and administration of the grievance procedure for all complaints against faculty, staff and visitors, including those complaints filed by students.

**For Athletics:**

**Dr. Dwalah Fisher**

Senior Woman Administrator - Athletics  
Health & Physical Education Building, Room  
Texas Southern University  
Houston, Texas 77004  
(713) 313- 7272  
[Fisher\\_DL@tsu.edu](mailto:Fisher_DL@tsu.edu)

**Complaints against TSU students and Employees in Athletics**

If you have a complaint against a TSU student, coach or administrator for sexual discrimination, sexual harassment, or sexual assault, you may contact one of the offices listed above, or you may contact the Senior Woman Administrator - Athletics, who will facilitate the handling of the complaint with the appropriate office.

**Gender Equity in Athletics**

If you have a complaint about gender equity in TSU athletic programs, you should contact the Senior Woman Administrator - Athletics, who is responsible for Title IX compliance in matters relating to gender equity in TSU athletic programs.

**For Sexual Assault:**

To file a complaint of sexual assault, you may contact one of the offices listed above, and you may also contact:

**TSU Department of Public Safety**

Texas Southern University  
3443 Blodgett Street  
(713) 313-7000 (Emergency)  
(713) 313-7001 (Non-emergency)

**U. S. Department of Education, Office for Civil Rights**

You may also file a complaint of illegal discrimination with the Dallas regional office of the U. S. Department of Education's Office for Civil Rights.

**Confidentiality**

Discrimination and harassment complaints will be handled in a confidential manner to the extent possible and consistent with principles of due process. Information will only be shared on a need-to-know basis and as provided for by University policy and applicable federal and state laws.

**V. INFORMAL RESOLUTION PROCEDURES**

Though not required, employees and students are encouraged to attempt initially to resolve complaints at the lowest level through the administrative structure of the employment unit or academic department.

If you would like to proceed informally, you should ask your supervisor, the other person's supervisor, the Title IX Coordinator or a Deputy Title IX Coordinator to intervene. Do not rely upon other co-workers or individuals who are not familiar with

University policy to intervene on your behalf when discussing your concerns with the person whose behavior is unwelcome and/or offensive. In cases involving allegations of sexual assault, mediation is not appropriate, even on a voluntary basis.

You have the right to end the informal resolution process at any time and begin the formal resolution process.

Supervisors or administrators, including faculty, always should contact the Title IX Coordinator or a Deputy Coordinator before attempting to resolve any complaints.

## **VI. FORMAL RESOLUTION PROCEDURES**

You may initiate formal complaint procedures by filing a complaint with the University's Title IX Coordinator or a Deputy Coordinator ("Coordinator") whether or not you have attempted resolution through informal procedures. The individual who files the complaint is referred to as the "Complainant". The individual against whom the complaint is filed is referred to as the "Respondent". Collectively these individuals are referred to as the "parties". The University will work to investigate all complaints as quickly and professionally as possible. When investigations confirm the discrimination and/or harassment allegations, appropriate corrective action will be taken to prevent the recurrence of any discrimination or harassment.

### **1. Filing of a Complaint.**

The complaint must be submitted in writing, must be filed within one hundred eighty (180) days of the incident (or last of a series of incidents) that is the basis of the complaint, and must contain the following information:

- Complainant's name and contact information, including address, telephone number and e-mail address;
- Name of Complainant's Department Head/Dean/Vice President (if Complainant is an employee);
- Name of person(s) responsible for alleged violation(s);
- Date(s) and place(s) of alleged violation(s);
- Nature of alleged violation(s) as defined in this policy;
- Detailed description of the specific conduct that is the basis of alleged violation(s);
- Names of any witnesses to alleged violation(s);
- Action requested to resolve the situation;
- Complainant's signature and date of filing; and
- Any other relevant information/documents

The following communications do not constitute a complaint and will not be investigated or resolved pursuant to this complaint resolution process:

- Oral allegations
- E-mail correspondence
- Anonymous communications
- Courtesy copies of correspondence or a complaint filed with others/other entities
- Inquires that seek advice or information only
- Pre-complaint consultations and informal resolution activities

Notwithstanding the foregoing, the University will, pursuant to its obligations under Title IX, respond to all incidents of possible sex discrimination, harassment and sexual assault, of which it knows or reasonably should know.

### **2. Receipt of a Complaint.**

Upon receipt of the written complaint, the Coordinator will meet with the Complainant within five (5) working days to review the complaint procedures, discuss the Complainant's allegations, and determine, if appropriate, whether the Complainant is amenable to resolving the complaint through informal procedures. If the Complainant is willing to first proceed informally, the Coordinator will temporarily postpone the complaint investigation and contact the Respondent to determine whether he or she is willing to participate in an informal resolution.

If the Complainant wishes to proceed directly with the formal complaint procedures, or the Respondent declines to participate in an informal resolution, or attempts to resolve the complaint through informal procedures are unsuccessful, the Coordinator will assess the Complainant's written complaint to determine whether the allegations state a potential violation of federal or state laws and/or University policies.

### **3. Acceptance of a Complaint.**

Within five (5) working days of: 1) the Coordinator's receipt of the complaint; 2) the Coordinator's initial meeting with the Complainant; or 3) the Coordinator's determination that an informal resolution of the Complainant's complaint is no longer feasible – whichever is later, the Coordinator shall decide whether the written complaint states a potential violation of University policies or federal or state laws and shall notify the Complainant in writing of her/his determination.

If the Coordinator determines that the allegations of the complaint state a potential violation, the Coordinator will notify the Complainant that the complaint has been accepted and within ten (10) days thereafter provide written notice to the Respondent of the complaint allegations. In addition to notice of the complaint being provided to the Respondent, the Coordinator shall provide notice to the Respondent's immediate supervisor and divisional vice president.

If the Coordinator determines that the allegations of the complaint do not state a violation of University policy or federal or state laws, the Coordinator will provide written notice of this decision to the Complainant. The notice shall explain why the complaint does not state a violation.

### **4. Complaint Investigation.**

The allegations in all complaints will be investigated thoroughly to assure a resolution that is consistent with the facts. The investigation may include, but is not limited to:

- Interviewing the Complainant
- Interviewing the Respondent
- Interviewing witnesses and reviewing evidence presented by the parties
- Interviewing other material witnesses
- Reviewing relevant files and records;
- Comparing the treatment of the Complainant to that of others similarly situated in the department or unit; and/or
- Reviewing applicable policies and procedures

All interviews will be audio recorded. Parties and witnesses will be informed that their statements will remain confidential only to the extent allowed by laws.

Evidence will be reviewed using a preponderance of the evidence standard (e.g. is it more likely than not that a violation of University policy occurred).

### **5. Abandonment of Complaint.**

The following acts may constitute abandonment of a complaint:

- Failing to respond or take an action required by the policy or procedure within the specified time limit;
- Failing to appear for a scheduled meeting/hearing without adequate cause; or
- Otherwise failing to advance the complaint in a timely manner.

No further action or appeal will be allowed following a Coordinator's determination that the Complainant has abandoned their complaint. The Coordinator will provide written notice to the Complainant of this determination.

Notwithstanding the foregoing, the University will, pursuant to its obligations under Title IX, respond to all incidents of possible sex discrimination, harassment and sexual assault, of which it knows or reasonably should know.

## **6. Report of Findings and Recommendation – Complaints Against Nonstudents.**

The investigation shall normally be concluded within sixty (60) working days of the filing of the written complaint, at which time the Coordinator shall issue a written report to the Respondent's supervisor/department head. If a complaint is directed against a supervisor/department head who would otherwise act on a complaint, the function assigned to that supervisor/department head will be delegated to the next level supervisor in the Respondent's line of supervision. The report shall include a summary of the Complainant's allegations, the Respondent's response to the allegations, findings of fact and conclusions, as well as appropriate recommendations.

If the report determines a finding of a violation of University policy and/or federal or state law, within five (5) working days following receipt of the report of findings and recommendation, the supervisor/department head shall determine a disciplinary action that is appropriate for the severity of the conduct. Disciplinary action which may include sexual harassment, non-retaliation and/or managerial training, a letter of reprimand, a formal letter of apology to the Complainant, a reduction in administrative duties (e.g. removal as chair of department), unpaid suspension and/or termination of employment, will be taken in accordance with applicable University policies and procedures. Disciplinary action must be approved by the Office of Human Resources prior to the action being taken.

The supervisor/department head shall communicate the discipline decision in writing to the Coordinator and the Coordinator shall provide written notice to the parties of the outcome of the investigation.

## **7. Report of Findings and Recommendation – Complaints Against Students.**

The investigation shall normally be concluded within sixty (60) days of the filing of the written complaint, at which time the Coordinator shall issue a written report. The report shall include a summary of the Complainant's allegations, the Respondent's response to the allegations, findings of fact and conclusions, as well as appropriate recommendations.

Any disciplinary proceedings involving a student will be conducted pursuant to the provisions of the University's Student Conduct Code. Disciplinary sanctions under the Code may include sexual harassment and non-retaliation counseling, disciplinary reprimand, disciplinary probation, suspension and expulsion.

The University will take necessary steps to prevent the recurrence of any discrimination found to exist.

The Coordinator shall provide written notice to the parties of the outcome of the investigation.

In all Student Conduct Code disciplinary proceedings initiated pursuant to this Policy the Complainant will be provided with the same procedural protections provided to the Respondent, including but not limited to the right to:

- Receive notice of the hearing;
- Select and be accompanied and assisted by an advisor;
- Attend a pre-hearing disciplinary conference;
- Present witnesses and evidence in support of her/his position;
- Appeal the determination of the hearing panel;
- Notice of the outcome of the complaint and any appeal

Further, the Complainant and Respondent will not be allowed to personally question or cross-examine each other during disciplinary hearings/proceedings. Finally, all evidence will be reviewed using a preponderance of the evidence standard (e.g. is it more likely than not that a violation of the Student Conduct Code occurred).

As required by Federal law, any disclosure of the findings and decision in regards to student disciplinary proceedings will be governed by the provisions of the Family Educational Rights and Privacy Act.



## **8. Protective Measures.**

At times the Title IX Coordinator/Deputy Coordinator may deem it necessary to recommend steps before or during an investigation to protect the rights and interests of the Complainant and/or the Respondent. Those measures may be designed to reduce or eliminate contact between the Complainant and Respondent so that both parties feel safe in their work or educational environment. Protective measures may also guard against further actual or perceived discrimination or retaliation.

Protective measures may include but are not limited to temporary changes in working conditions (such as changes in supervisor, shift, job site, or office location), changes in class schedule, changes in living arrangements, directives to the Complainant and Respondent to avoid personal contact or refrain from such contact without a third party neutral person present, and in severe cases interim suspension.

## **9. Effect of Criminal Proceedings.**

Because sexual assault may constitute both a violation of University policy and criminal activity, the University encourages students to report alleged sexual assaults promptly to University and/or local law enforcement agencies. Criminal investigations may be useful in the gathering of relevant evidence, particularly forensic evidence. Because the standards for finding a violation of criminal law are different from the standards for finding a violation of this Policy, criminal investigations or reports are not determinative of whether sexual assault, for purposes of this Policy, has occurred. In other words, conduct may constitute sexual assault under this Policy even if law enforcement agencies lack sufficient evidence of a crime and therefore decline to prosecute.

The filing of a complaint of sexual assault under this Policy is independent of any criminal investigation or proceeding, and (except that the University's investigation may be delayed temporarily while the criminal investigators are gathering evidence) the University will not wait for the conclusion of any criminal investigation or proceedings to commence its own investigation and take interim measures to protect the Complainant and the University Community, if necessary.

## **10. Retaliation Prohibited.**

It is contrary to Title IX, and other federal and state civil rights laws, and to University policy, to retaliate against any person for asserting his/her civil rights, including filing a claim of discrimination or participating as a witness in an investigation. Retaliation or reprisals against any participant in an investigation will not be tolerated by the University. Retaliation against a person who files a claim of discrimination (including sexual harassment or sexual assault) is grounds for a subsequent claim by that person under the University's Retaliation policy (MAPP 02.05.14). If a person believes that he or she has been retaliated against as a result of filing a grievance or participating in the investigation of a grievance, he or she may pursue a separate complaint charging retaliation.

## **11. Filing of False Complaints.**

Any employee or student who knowingly and intentionally files a false complaint under this procedure is subject to disciplinary action up to and including dismissal from the University/termination of employment.

## **12. Time Frames.**

Time frames referenced in these procedures may be extended by the Coordinator for good cause, such as holidays or when classes are not in session, or when it is necessary to complete an investigation due to difficulties reaching witnesses or parties to the complaint.

## **VII. TITLE IX GRIEVANCE PROCEDURES.**

This procedure shall constitute the grievance procedures for complaints alleging unlawful sex discrimination required under Title IX of the Education Amendments of 1972. As used herein, "complaint" is synonymous with "grievance".

## VIII. OTHER DISCRIMINATION GRIEVANCES/COMPLAINTS

Complaints and grievances by faculty, staff and students alleging other forms of unlawful discrimination and harassment by faculty or staff, including but not limited to unlawful discrimination/harassment based on race, color, religion, national origin, age, disability, sexual orientation or veteran status, are subject to the procedures set forth in the University's "Complaint and Grievance Policy" – MAPP 02.05.01.

### ANTI-RETALIATION

**Policy.** It is the policy of Texas Southern University that positive employee relations and morale can best be achieved and maintained in an environment that promotes ongoing open communication among administration, staff, faculty, and students, including open and candid discussions of problems and concerns. The University encourages staff, faculty and students to express their issues, concerns or opinions without fear of retaliation or reprisal. Therefore, the University wishes to make clear that it considers acts or threats of retaliation to constitute a serious violation of University policy.

Retaliation is any action that has the effect of punishing a person for engaging in a legally protected activity, such as alleging discrimination, making a discrimination or harassment complaint, or assisting in a discrimination or harassment investigation. The EEOC has determined that there are three essential elements of a retaliation claim: 1) participating in a legally protected activity, 2) an adverse employment action, such as suspension, demotion, or termination and, 3) a causal connection between engaging in the protected activity and the adverse employment action. Other examples of adverse employment actions include but are not limited to harassment, intimidation, threats or coercion.

Retaliation against any person who seeks assistance from the Offices of General Counsel, Internal Audit, Institutional Compliance or Human Resources or who files a claim of discrimination, including sexual harassment, is prohibited. Direct or indirect retaliation against anyone who, in good faith, raises or points out compliance-related violations or issues is also prohibited. There shall be no retaliation against any participant or witness in an investigation of a complaint, grievance or compliance violation. Any employee who retaliates against a fellow employee or a student in violation of the law and/or this policy is subject to disciplinary action, up to and including termination of employment.

**Procedures.** All administrators, managers and faculty should take proactive measures to assure staff or students that the University encourages the reporting of problems and prohibits retaliation or reprisal for reporting such problems. Allegations of retaliation will be investigated pursuant to the University's Retaliation Investigation Procedures. Any employee who is found to have retaliated against a fellow employee or a student in violation of the law and/or this policy is subject to disciplinary action in accordance with the University's Discipline and Termination Policy, up to and including termination of employment.

An employee, who has a complaint of retaliation by anyone at work, including any supervisor, co-worker, or visitor, should report such conduct to his or her supervisor. In addition, the employee should report the retaliation to the University's Employment Compliance Manager. If the complaint involves the employee's supervisor or someone in the direct line of supervision or if the employee for any reason is uncomfortable in dealing with his or her immediate supervisor, the employee should go directly to the Compliance Manager. If the complaint involves the Compliance Manager, the employee should make a report to the University's Office of Human Resources. For more information, call the Office of Human Resources at (713) 313-7520.

### SEXUAL HARASSMENT

**Policy.** It is the policy of Texas Southern University that all employees have the right to work in an environment free of discrimination and sexual harassment. As such, the University has a no-tolerance policy on sexual harassment. That means that any employee who sexually harasses a fellow employee or a student is subject to discipline, up to and including termination of his or her employment.

The University's sexual harassment policy is designed to apply to employment and academic relationships among faculty, administrators, staff, and students and prohibits male-to-female, female-to-male, faculty-student and same-sex harassment. Every employee of the University must avoid offensive or inappropriate sexual and/or sexually harassing behavior at work. Furthermore, the University's guidelines apply to all sexual advances, regardless of whether or not they are made in the office, outside the office, or during social or business occasions.

**Definitions.** Texas Southern University has adopted and incorporated the regulations of the Equal Employment Opportunity Commission (EEOC) and case law that define sexual harassment and hostile work environment. Prohibited conduct and activities include

1. Unwelcome sexual advances;
2. Requests for sexual favors, whether or not accompanied by promises or threats relating to the employment relationship or in any way influencing any personnel decision regarding a person's employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment or career development;
3. Any verbal or physical conduct of a sexual nature that threatens or implies, either explicitly or implicitly, that an employee's submission to or rejection of sexual advances will in any way influence any personnel decision regarding his or her employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment or career development;
4. Any verbal or physical conduct that has the purpose or effect of substantially interfering with an employee's ability to do his or her job;
5. Any verbal or physical conduct that has the purpose or effect of creating an intimidating, hostile or offensive working environment;
6. Certain conduct in the workplace, whether physical or verbal, committed by supervisors or non-supervisory personnel, including but not limited to references to an individual's body; use of sexually degrading words to describe an individual; offensive comments; off-color language or jokes; innuendoes; and sexually suggestive objects or behavior, books, magazines, photographs, cartoons or pictures; and
7. Retaliation against employees who report sexual harassment or assist the University in investigating a complaint. Such action is illegal and prohibited. Retaliation includes, but is not limited to, refusing to recommend an employee for a benefit for which he or she qualifies, spreading rumors about the employee, encouraging hostility from co-workers, and escalating the harassment.

### **Prohibitions**

1. It is a violation of the University policy for anyone to engage in sexual harassment as defined above.
2. It is a violation of the University policy for anyone who is authorized to effectively recommend or take personnel or academic actions affecting faculty, staff members or students to engage in sexual harassment as defined above.
3. It is a violation of University policy for anyone to offer sexual favors in order to obtain preferential treatment with regard to conditions of employment or academic standing.
4. It is a violation of the University policy for an administrator/supervisor to take personnel or academic actions as a reprisal or in retaliation against an individual for reporting sexual harassment.
5. As with other University policies, it is also a violation of University policy for anyone to make false accusations of sexual harassment or other misconduct.

### **Responsibilities of the University**

1. Whenever there is a violation of this policy, prompt corrective action shall be taken by the University consistent with existing rules, regulations, and policies. The University shall take preventive and corrective disciplinary action, up to and including termination of employment, against any employee who engages in sexual harassment.
2. The University's Compliance Officer shall be responsible for the coordination, dissemination, and implementation of this policy and shall work closely with senior academic and non-academic administrators to assure compliance with the provisions of this policy. The Office of General Counsel and the Human Resources Department shall serve as resources with regard to sexual harassment-related matters.
3. Each dean, director, department chairman and/or administrative officer of an operational unit shall cooperate with the Compliance Officer in the implementation and dissemination of this policy and in providing an environment free of sexual harassment. Such officials shall refer complaints arising under this policy to the Compliance Officer.
4. It is the obligation of every faculty, student and staff member of the University to adhere to this policy. Failure of supervisors promptly to investigate and report allegations of sexual harassment or failure to take timely corrective actions is a violation of University policy and may be considered a violation of the law. The University shall take appropriate disciplinary action, up to and including termination of employment, against any supervisor who fails to investigate, report and/or take timely corrective action in cases of sexual harassment.
5. The University shall exercise reasonable care to prevent and promptly correct any sexual harassing behavior, to safeguard against sexual harassment, and to prevent any harm that could have been avoided.

6. The person affected by sexual harassment from another must make an attempt to take advantage of a reasonable preventive or corrective opportunity provided by the University or otherwise to avoid harm.
7. Retaliation against an employee who reports sexual harassment or assists the University in investigating a complaint is prohibited; any individual who retaliates against an employee under these circumstances will be subject to appropriate disciplinary action, up to and including termination of employment.

**Complaints.** An employee who has a complaint of sexual harassment by anyone at work, including any supervisor, co-worker, or visitor, should report such conduct to his or her supervisor. In addition, the employee should report the harassment to the University's Compliance Officer. If the complaint involves the employee's supervisor or someone in the direct line of supervision, or if the employee for any reason is uncomfortable in dealing with his or her immediate supervisor, the worker should go directly to the Compliance Officer. If the complaint involves the Compliance Officer, the employee should make a report to the University's Office of Human Resources. The University will work to investigate all complaints as quickly and as professionally as possible. When investigations confirm the allegations, appropriate corrective action will be taken.

In the event the University learns that an employee has made a sexual harassment complaint in bad faith or has knowingly provided false information regarding a complaint, appropriate disciplinary action may be taken against the individual who provided the false information.

**Confidentiality.** The University will make every attempt to keep the information provided in the complaint and investigation process confidential to the fullest extent permitted by the circumstances and allowed by law. However, confidentiality cannot be guaranteed.

## **AMERICANS WITH DISABILITIES ACT (ADA)/SECTION 504 POLICY**

### **A. Purpose**

The purpose of this operating policy/procedure is to ensure understanding of the University's responsibilities regarding the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973 as amended (Section 504). It is the policy of Texas Southern University (TSU) to provide reasonable accommodations upon request for qualified individuals with a disability who are students, employees, or applicants for employment. TSU will adhere to all applicable state and federal laws, regulations and guidelines with respect to providing reasonable accommodations as required in an effort to offer equal opportunities to qualified disabled individuals. The provost and the dean of students will review this policy on an annual basis and forward any recommendations for revisions to the Human Resources Department.

### **B. Introduction**

The Americans with Disabilities Act (ADA) of 1990 mandates equal opportunities for persons with disabilities in all public facilities, programs, activities, services and benefits derived from them. Section 504 of the Rehabilitation Act of 1973, as amended, mandates equal opportunity for qualified persons with disabilities in all programs, activities and services of recipients of federal financial assistance. Both the ADA and Section 504 are civil rights statutes which prohibit discrimination on the basis of disability, obligate colleges and universities to make certain adjustments and accommodations, and offer to persons with disabilities the opportunity to participate fully in all institutional programs and activities.

Section 504 states "a handicapped person is anyone with a physical or mental impairment that substantially impairs or restricts one or more major life activities, such as caring for one's self, performing manual tasks, walking, seeing, hearing, speaking, breathing, learning and working."

For federally assisted programs or activities operated by post-secondary education recipients, the specific obligations with regard to handicapped or disabled students, faculty or staff, include but are not limited to the following:

- All programs and activities must be offered in the most integrated setting appropriate.
- Academic requirements must be modified, on a case-by-case basis, to afford qualified handicapped or disabled individuals an equal educational and/or work opportunity;
- A recipient may not impose upon disabled individuals rules that have the effect of limiting their participation in the recipients' education program or activity; for example, prohibiting tape recorders in classrooms or guide dogs in campus buildings.
- Students with impaired sensory, manual or speaking skills must be provided auxiliary aids such as taped texts, interpreters, readers and classroom equipment adapted for persons with manual impairments.

Texas Southern University provides all educational and other university-sponsored programs and activities to persons with disabilities in the most integrated setting appropriate. Students, employees, applicants and other individuals with disabilities served by TSU are not segregated, separated or treated differently. TSU does not require persons with disabilities to take advantage of all adjustments, accommodations or special services.

### C. Scope

This policy applies to students, staff, faculty, job applicants, and other beneficiaries of the programs, services, and activities of TSU.

### D. Definitions

1. **ADA/Section 504 Coordinator.** The University's Employment Compliance Officer acts as the ADA/Section 504 Coordinator for faculty, staff and students and ensures the University's compliance with relevant federal and state laws regarding the ADA.
2. **Disability.** A disability is defined as a physical or mental impairment that substantially limits one or more major life activities.
3. **Qualified individual with a disability.** An individual who has a physical or mental impairment as defined above, has a record of such impairment, or is regarded as having such impairment, who possesses the requisite skills, education, experience and training for a position, and who can, with or without a reasonable accommodation, perform the essential functions of the position the individual desires or holds.
4. **Reasonable Accommodation.** A modification or adjustment to the job application process or the work or academic environment that enables a qualified person with a disability to be considered for a position, perform the essential functions of a position, or enjoy the same benefits and privileges of employment and academics as are enjoyed by similarly situated employees or students without disabilities. Reasonable accommodations include, but are not limited to modifying written examinations, making facilities accessible, adjusting work schedules, restructuring jobs, providing assistive devices or equipment, providing readers or interpreters, and modifying work sites.
5. **Substantial limitation.** An impairment that prevents the performance of a major life activity that the average person in the general population can perform, or a significant restriction as to the condition, manner or duration under which an individual can perform a particular major life activity as compared to the average person in the general population.
6. **Undue hardship.** An action that is unduly costly extensive, substantial, disruptive, or an act that would fundamentally alter the nature or operation of the business. An "undue hardship" is determined in accordance with the Americans with Disabilities Act (ADA), the Texas Commission on Human Rights Act, and relevant case law. Factors to consider in determining whether or not an accommodation would impose an undue hardships include, but are not limited to, the nature and cost of the accommodation, financial considerations, the impact of the accommodation upon the nature and operation of the department and how the request affects the health and safety of other employees or students.

### E. Information

Any communications from the University concerning ADA and Section 504 related information shall be made accessible to all students and employees. This term includes student and employee policies, procedures, emergency evacuation plans, and other related information that shall be published in the student course selection booklet, student catalogs and handbooks, employee handbooks, and the University's Staff Operating Manual.

### F. ADA Oversight Committee

The ADA oversight committee has been charged by the president with overseeing all aspects of the University's compliance with ADA laws. The members of the committee serve for a term of two (2) years. The president may appoint new members at the expiration of the two year term. Representation will include an individual from the Office of the General Counsel, Student Affairs, and Human Resources, as well as the Thurgood Marshall Law School, Maintenance and Operations, and Department of Special Events. Also included are three members from the student and faculty body, totaling nine (9) members for the ADA Oversight Committee.

The Oversight Committee will ensure that TSU makes such modifications to its campus, classrooms and testing requirements as are necessary to ensure that such requirements do not discriminate or have the effect of discriminating on the basis of disability. Specifically, the procedures will address the following:

1. certifying that an individual has a disability;
2. undertaking reasonable steps to obtain a professional determination of whether or not academic adjustments/auxiliary aids are necessary and if they are, what kind;
3. determining, on an individual basis, what academic or workplace adjustment(s)/auxiliary aid(s) TSU will grant and ensuring that the academic or workplace adjustment(s)/auxiliary aid(s) granted is/are of an acceptable level of quality and effectiveness for each student/employee making such a request on the basis of a disability;
4. providing students/employees a justification for denial of an academic or workplace adjustment/auxiliary aid or for the selection of another academic or workplace adjustment/auxiliary aid if the provided academic or workplace adjustment/auxiliary aid is different from that requested by the student/employee;
5. providing students/employees a reasonable opportunity to submit additional information to TSU if their initial documentation does not support the request for academic or workplace adjustments/auxiliary aids; and
6. ensuring that decisions regarding requests for academic or workplace adjustments/auxiliary aids are made in a timely manner.

#### **G. ADA/Section 504 Coordinator**

The University's ADA/Section 504 Coordinator, in conjunction with the ADA Oversight Committee and ADA Hearing Committee, is responsible for ensuring that the University is in compliance with all applicable state and federal laws regarding the ADA and responding to requests for information from outside agencies regarding ADA concerns and/or complaints.

#### **H. ADA Hearing Committee**

The ADA Hearing Committee is responsible for hearing all ADA complaints submitted by students or employees. The Committee is composed of three students, two faculty members and two administrator/staff members. The two faculty members who serve on the Committee shall be appointed by the Faculty Senate at the beginning of the academic year and shall serve for the entire fiscal year (September 1 – August 31). One of the faculty members or administrator/staff members shall serve as Chair of the Committee.

#### **I. ADA Building Representative**

A designated representative in each building (Hannah Hall, Bell, Fairchild, School of Business, Library, Student Center, etc.) serves as the point-of-contact for all ADA and Section 504 accessibility issues. That individual is responsible for ensuring that all residents in the building are properly notified regarding ADA and Section 504 announcements and emergency evacuation plans. The representative also works with the Maintenance and Operations Department to ensure that the buildings that the University owns and/or operates are maintained within the standards of compliance required by the relevant provisions of the ADA and Section 504.

### **PROCEDURES FOR REQUESTING ACCOMMODATIONS**

#### **A. Introduction**

All offices and individuals responsible for reviewing and analyzing the request shall maintain the confidentiality of all medical and ADA information. Records and information obtained about employees as part of a request for accommodations shall be maintained in a secure location in the ADA/Section 504 Coordinator's office. Student records and information obtained on students as part of an accommodations request shall be kept in a secure location in the Office of Disabled Student Services (ODS). All information shall be kept confidential, to the extent allowed by law, and shall be shared on a limited need-to-know basis to implement the accommodation request.

The University may, at the University's expense, request an independent medical opinion concerning the impairment for which an employee or student seeks an accommodation. This decision is based on a number of factors, and each case is assessed individually. Failure of an employee or student to cooperate in obtaining such an opinion will result in the cancellation of the request for accommodation.

## **B. Student Requests**

Students requesting eligibility for accommodations and services may initiate this request for accommodation(s) by contacting the Office for Disability Services (ODS) in the Student Health Center. Students will be required to provide a recent medical statement that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Records and information obtained about our students as part of an accommodations request shall be kept in a secure location in the Office of Disability Services (ODS). Students may be asked to submit additional medical information if the information previously provided is incomplete, outdated, unclear, or inconsistent according to the guidelines set forth by the ODS.

All documentation and information submitted with a request for accommodations shall be reviewed and considered by the University. The University may consult with an outside expert, who will assess the request and make recommendations for modifications. If a student is dissatisfied with the determination on accommodations, he or she may initiate a request for reconsideration with the ODS and may be required to submit additional information. The ODS and/or its consultant will review the determination and consider any additional information. The ODS will then issue a written notice regarding the outcome of reconsideration of the student's request. If a student remains dissatisfied with the determination, he or she may file an ADA complaint under the procedures outlined in Section II below.

ODS is located in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call ODS at 713-313-4210, either to make an appointment or to obtain additional information.

## **C. Staff/Faculty Employee Requests**

Staff/faculty employees of TSU may request an accommodation by notifying the ADA/Section 504 Coordinator in writing stating the nature of their disability and the accommodation requested. Employees may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Employees may be asked to submit additional medical information if the information previously provided is incomplete, unclear, outdated or inconsistent. If the employee does not provide the required documentation and information within thirty (30) days, the request for accommodations may be cancelled for lack of necessary information.

In the event that a supervisor receives a request for accommodation, the supervisor shall immediately notify the ADA/Section 504 Coordinator so that the request may be processed in a timely manner. Any supervisor who, in the course of job performance counseling, is informed by an employee that a physical or mental condition may be affecting the employee's work performance shall refer the employee to the ADA/Section 504 Coordinator.

The ADA/Section 504 Coordinator will analyze the request and confer with the employee and the supervisor to ascertain the employee's requirements and input on a reasonable accommodation and make a determination regarding which accommodations are necessary. If the employee is unable to demonstrate a disability or does not request a reasonable accommodation under the guidelines set forth in this policy, the request may be denied.

Employees or supervisors may obtain information concerning disabilities and accommodations from the ADA/Section 504 Coordinator in the Office of the General Counsel. Employee requests for information and the provision of information by an Office of General Counsel staff member concerning disabilities and accommodations is not considered a part of the accommodation process.

## **D. Job Applicants**

Applicants for employment may request accommodations by contacting the Office of Human Resources in Hannah Hall 126, the department in which they will be interviewing, or the chair of the search committee, when applicable. Upon receipt of a request, the chair of the department or search committee shall immediately notify the Office of Human Resources or the ADA/Section 504 Coordinator regarding the request. If the Office of Human Resources receives a request, the request should be forwarded to the ADA/Section 504 Coordinator, who will assist the Office of Human Resources in determining what reasonable accommodations may be offered to a potential job applicant.

Applicants may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Applicants may be asked to submit additional medical information if the information previously provided is

incomplete, unclear, outdated or inconsistent. If the applicant does not provide the required documentation and information within thirty (30) days, the request for accommodations may be cancelled for lack of necessary information.

### **E. Beneficiaries of Programs, Services and Activities**

Beneficiaries of programs, services and activities may request accommodations by contacting the department or organization hosting the event, program, or activity. A designee of the event, service, or activity shall immediately notify the ADA/Section 504 Coordinator regarding the request. The ADA/Section 504 Coordinator shall determine, on a case-by-case basis, what reasonable accommodations may be offered.

Individuals may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Individuals may be asked to submit additional medical information if the information previously provided is incomplete, unclear, outdated or inconsistent. If the individual does not provide the required documentation and information within a reasonable time prior to the event, service, or activity, the request for accommodations may be cancelled for lack of necessary information.

## **COMPLAINT AND HEARING PROCEDURE**

### **A. Purpose**

The purpose of this procedure is to provide the primary process for addressing student and employee complaints based on disabilities under the ADA and Section 504 of the Rehabilitation Act of 1973. Texas Southern University has adopted an internal complaint procedure providing prompt and equitable resolution of complaints alleging any action prohibited by Title II of the ADA and/or Section 504 of the Rehabilitation Act. Any individual who believes he or she was denied a reasonable accommodation or received insufficient accommodations in violation of this policy or disability laws may file an ADA complaint with the appropriate University official.

### **B. Complaints**

All student ADA complaints should be addressed to the  
Dean of Students  
TSU Office of Student Services  
Student Recreation Center, Room 212  
3100 Cleburne  
Houston, Texas 77004  
(713) 313-1038

All other ADA complaints should be addressed to:  
ADA/Section 504 Coordinator  
Texas Southern University  
Office of General Counsel  
3100 Cleburne Avenue  
Hannah Hall, Suite 310  
Houston, Texas 77004  
(713) 313-7950

### **C. Complaint and Hearing Procedure**

1. A complaint should be filed in writing, contain the name, address and telephone number of the complainant, and briefly describe the alleged violation of the regulations. The complaint should be filed within thirty (30) days after the complainant becomes aware of the alleged violation.
2. After receiving an ADA complaint, the University's ADA/Section 504 Coordinator shall schedule a hearing before the ADA Hearing Committee and submit a copy of the complaint and any other relevant documents to the committee. The hearing shall be scheduled within twenty-one (21) days from the date the ADA/Section 504 Coordinator receives the complaint.



3. The hearing shall consist of opening statements, if desired, by the complainant, the institution or their representatives, and testimony by any witnesses called by the complainant or the institution. During the hearing, both parties and the members of the ADA Hearing Committee shall have the right to question witnesses and introduce any relevant exhibits to the committee. The complainant shall have the responsibility of presenting relevant facts and circumstances to establish the validity of the complaint. Formal rules of evidence will not apply during the hearing. The proceeding shall be non-adversarial in nature.
4. The Chairperson shall control the hearing and take appropriate action to ensure an equitable, orderly, and expeditious hearing. As presiding officer, the Chairperson may remove anyone not complying with the rules and/or disrupting the hearing. Witnesses will be heard one at a time and may be excused from the hearing by the Chairperson after testifying.
5. At least ten (10) working days prior to the hearing, either party may request in writing that the proceedings be tape-recorded. At the conclusion of the testimony, both parties will be permitted to make a closing statement. Following the hearing, the Hearing Committee will retire to deliberate and will submit a written report of its recommendations to the ADA/Section 504 Coordinator within seven (7) days after hearing the complaint.
6. The complainant may request an appeal of the case in instances where he or she is dissatisfied with the resolution. The request for an appeal should be made within five (5) business days of receiving the decision of the Hearing Committee to:  
ADA/Section 504 Coordinator  
Texas Southern University  
3100 Cleburne Ave.  
Hannah Hall, Suite 310  
Houston, Texas 77004

#### **D. Appeals**

The Dean of Students shall appoint the ADA Appeals Committee to hear appeals related to the ADA and Section 504. The Appeals Committee is composed of three students, two faculty members and two administrators/staff members. A faculty member or administrator/staff member shall serve as Chair of the Appeals Committee. The ADA Appeals Hearing shall be conducted in accordance with the hearing proceedings outlined in Section C above. Upon completion of the appeal, a copy of the final resolution resulting from the complaint procedure shall be provided to the ADA Coordinator who will notify the appropriate persons in the department where the violation has occurred.

### **SUBSTANCE ABUSE PREVENTION, EDUCATION AND INTERVENTION PROGRAM (SAPEI)**

The total health and welfare of the students at Texas Southern University (TSU) is of paramount concern to all staff, faculty, and administrators, who realize that students are striving to achieve a quality education and prepare to enter the work force. They also recognize that alcohol and other drugs often become a part of the social interaction of young people. TSU, as well as all other federally funded institutions of higher learning, is mandated by the United States Department of Education to have a program on campus that will address the use of alcoholic beverages and illicit drugs by students. The unit charged with this responsibility is the Substance Abuse Prevention, Education and Intervention Program (SAPEI) of the University Counseling Center. SAPEI is an outcome of the Higher Education Amendments of 1986. TSU's Board of Regents has approved policies to regulate the use of alcohol, drugs, and other controlled substances on campus.

The SAPEI program utilizes a variety of approaches with which to educate our students, among these are classroom presentations, dissemination of educational materials (pamphlets, brochures), and campus-wide observances (e.g., National Collegiate Alcohol Awareness Week, health fairs, etc.). It also co-sponsors programs with various student organizations on campus. SAPEI also provides individual, family, and group counseling at no charge to all currently enrolled students.

SAPEI is located in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call SAPEI at 713-313-7800, either to make an appointment or for additional information.





## JESSE H. JONES SCHOOL OF BUSINESS

### OVERVIEW

The Jesse H. Jones School of Business consists of two departments: (1) Accounting and Finance and (2) Business Administration. Through these two departments, **five undergraduate degrees and three graduate degrees are offered. The five undergraduate degrees are the Bachelor of Business Administration in Accounting, the Bachelor of Business Administration in Finance, the Bachelor of Business Administration in Management, the Bachelor of Business Administration in Management Information Systems, and the Bachelor of Business Administration in Marketing. The three graduate degrees are the Master of Business Administration in Business Administration, the Master of Science in Management Information Systems, and an Online Executive Master of Business Administration. The Bachelor of Business Administration in Accounting and the Bachelor of Business Administration in Finance are administered through the Department of Accounting and Finance, while the remaining three undergraduate degrees are administered through the Department of Business Administration.** Students should refer to the Graduate School Bulletin of Texas Southern University for information on the graduate degree programs.

**The School is administratively organized with a Dean who is assisted by an Associate Dean for Academics, an Assistant Dean for Business Student Services, Assistant Dean for Administration and Assessment, two department chairpersons, and support staff. All administrative offices, including departmental offices, are located in the Jesse H. Jones School of Business building.**

### MISSION STATEMENT

#### Vision

The Jesse H. Jones School of Business will be a leading provider of quality business education, research and engagement in an innovative and student-centered community of continual learners.

#### Mission

The Jesse H. Jones School of Business is a constituent part of Texas Southern University, a comprehensive metropolitan university, located in Houston, Texas. We offer baccalaureate and masters degree programs to a diverse student population that is primarily first generation college students.

Our mission is to transform students into leaders in the global market place. To achieve the mission, we provide quality education in an entrepreneurial, global context through effective teaching, theoretical and applied research, and community engagement in a student-centered environment.

#### Core Values

Our actions are guided by fundamental values and flow from a commitment to:

Student-Centered Learning  
Community Engagement  
Innovativeness

Global Perspective  
Professionalism

## **ADMISSION POLICIES**

### **General Information**

Admission to the Jesse H. Jones School of Business is governed by the policies established for the Office of Enrollment Management and the various guidelines established by the departments in the School.

### **Admission of Undergraduate Transfer Students**

Students who have been enrolled in other colleges or universities, who are admitted to Texas Southern University, and who wish to enroll in the Jesse H. Jones School of Business, are subject to the regulations pertaining to transfer credit as established by the University and referenced in the section of this bulletin devoted to Admission Requirements, Enrollment Procedures, and Academic Regulations.

Students who wish to transfer credits from a two-year, regionally accredited institution should note the following conditions upon which such transfers are acceptable:

1. Only freshmen (100-level) and sophomore (200-level) business courses in which grades of “C” or better have been earned may be transferred.
2. The “first upper-level course” in each functional area (with associated credit) may be transferred if validated and if a grade of “C” or better has been earned. (Validation consists of passing a departmental examination).

Students who wish to transfer credits from four-year regionally accredited institutions may transfer courses equivalent to those offered through the Jesse H. Jones School of Business, provided grades of “C” or better have been earned and subject to departmental degree requirements.

### **Readmission of Former Students**

Former students of Texas Southern University who wish to re-enroll in the Jesse H. Jones School of Business are subject to the regulations pertaining to readmission as established by the University and referenced in the section of this bulletin devoted to Admission Requirements, Enrollment Procedures, and Academic Regulations.

## **GENERAL SCHOOL POLICIES**

1. All students enrolled in the Jesse H. Jones School of Business are required to follow the sequence of courses outlined in their respective degree plans.
2. All students enrolled in the School must earn grades of “C” or better in English 131, English 132, Mathematics 133, Mathematics 135, and all transfer credits.
3. At least 50 % of the business semester credit hours required for the various business degrees must be earned at Texas Southern University.
4. Students may not enroll in advanced courses without satisfactorily completing the prerequisites required for such courses.
5. Students earning undergraduate degrees from the School are not required to declare a minor in a second academic discipline offered through the University.
6. Students must complete a comprehensive exit examination prior to graduation.
7. Proper professional conduct is required of all students enrolled. This includes dress, language, honesty, personal integrity, and personal ethics.

## **GOOD ACADEMIC STANDING**

To remain in good academic standing, students majoring in any area of business must maintain an overall grade point average (GPA) of 2.00.

## ACCREDITATION

The University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. Additionally, the School of Business is accredited by AACSB International -- The Association to Advance Collegiate Schools of Business.

## THE BUSINESS LIBRARY

The Business Library is located on the fifth floor of the Robert J. Terry Library and combines resources for accounting, business, and economics. The Business Library has over 52,500 volumes and subscribes to more than 300 serials. Extensive files of corporate financial reports and business and financial services are available. Computerized inter-library loan services link the Library with others throughout the nation and world. Electronic resources are substantial including more than 300 databases that provide a comprehensive list of scholarly journals with access to more than 63,000 full text articles covering a broad scope of disciplines. Also included are e-books, videos, newspapers, graphics and some reference materials. Off campus access to electronic resources is available. For the faculty, students, and staff, the TexShare Consortium provides access to participating State university and college libraries, including the University of Houston, Rice University, Houston Public Library and several other Houston area libraries.

## STUDENT ORGANIZATIONS

Student organizations operating in the Jesse H. Jones School of Business contribute significantly to the student's total educational experience. They are important vehicles for creative interaction among students, between students and faculty, and between students and their counterparts on other campuses. They also provide linkages between the School and the business and professional community.

### School-Wide Organizations

**The Mack H. Hannah Junior Chamber of Commerce** was named for a black pioneer business leader in Houston who also served as a University regent and benefactor of the School. This school-wide club is a central focus of extra-curricular efforts and serves as the student government organization within the Jesse H. Jones School of Business. In the latter function, it assures students a voice in all aspects of college life and affords them the opportunity to experience leadership and participatory governance.

**Students in Free Enterprise (SIFE)** creates and presents a wide variety of innovative community outreach projects. This provides an opportunity for students to make a difference and to develop leadership, teamwork, and communication skills through learning, practicing, and teaching the principles of free enterprise.

**The Student Business Leadership Organization (SBLO)** has as its mission the development of Jesse H. Jones School of Business students into community and corporate leaders by enhancing their skills, talents, and experiences. Membership qualifications include being an undergraduate major or minor in the Jesse H. Jones School of Business or pursuing the Master of Business Administration degree while having a grade point average of 2.70 or higher.

**Beta Gamma Sigma** is the honor society serving business programs accredited by AACSB International – The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest recognition a business student anywhere in the world can receive in a business program accredited by AACSB International. The mission of Beta Gamma Sigma is to encourage and honor academic achievement in the study of business along with personal and professional excellence in the practice of business.

### **Accounting Organizations**

**Beta Alpha Psi** is a national scholastic and professional accounting fraternity. The Delta Xi Chapter was established at Texas Southern University in 1975 for the purpose of encouraging and recognizing scholastic and professional excellence in the field of accounting. To achieve this purpose or objective, Beta Alpha Psi fosters the following: the promotion of the study and practice of accounting; the provision of opportunities for self-development and association among members and practicing accountants; and the encouragement of a sense of ethical, social, and public responsibilities. The minimum scholastic requirement for juniors and seniors to be members is a cumulative GPA of 3.00 in accounting courses. Also, students must have completed Accounting 231, 232, and 331 for admission.

The **National Association of Black Accountants (NABA)** is a national organization of accounting students. Its primary purpose is to promote professional development in accounting, to encourage and help members of minority groups entering the accounting profession, and to provide assistance in developing accounting education for members of minority groups. The student chapter at Texas Southern University was organized in 1975, and membership is open to all students majoring in accounting or those who have expressed a desire to enter the accounting profession.

### **Finance Organization**

The **Urban Financial Services Coalition** plans and executes activities designed to reinforce the theoretical base provided in the classroom with knowledge and insights gained through real-world exposure in the field of finance. This organization further serves as a forum for social and other extra-curricular activities designed to enrich the academic experience of finance majors.

### **Marketing Organization**

The **American Marketing Association (AMA)** is a national organization that serves to instill a desire in students to develop excellence in marketing and to provide them access to the professional enrichment activities provided by the national organization.

### **RIGHT TO MODIFY**

The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy or requirement at any time during the time that a student is enrolled. Courses are also subject to change.

### **DESCRIPTION OF DEPARTMENTS IN THE SCHOOL**

The two departments housed in the Jesse H. Jones School of Business are described in detail on the pages that follow. They are described in the following order: Department of Accounting and Finance, and Department of Business Administration.

## DEPARTMENT OF ACCOUNTING AND FINANCE

The Department of Accounting and Finance offers courses in Accounting (ACCT), Business Law, Finance (FIN), and Insurance (INS) at both the undergraduate and graduate levels. The Department offers the Bachelor of Business Administration (B.B.A.) degree in Accounting and the Bachelor of Business Administration (B.B.A.) degree in Finance. Minors in Accounting and Finance and a concentration in Insurance are offered through the Department. Members of the Department are located on the third floor of the Jesse H. Jones School of Business building in Suite 356.

The Department seeks to fulfill a primary mission of delivering quality instruction that provides students with:

- A general education foundation,
- A comprehensive understanding of general business concepts and principles,
- The requisite conceptual and technical knowledge of accounting and finance, and
- The basis for multi-dimensional roles required of professional accountants and financial managers.

Requirements for the Bachelor of Business Administration (B.B.A.) degree in Accounting and the Bachelor of Business Administration (B.B.A.) degree in Finance are summarized in this section, including exact course requirements (and their sequencing) and credits needed for graduation. In pursuing a degree in Accounting or Finance, a total of 120 semester credit hours are required; **students are not required to declare a minor in another academic discipline.** Students seeking either a major or a minor in Accounting or Finance must first gain admission to the Department of Accounting and Finance through the procedures outlined below.

Students wishing to pursue a major or minor in Accounting or Finance must petition for admission to the Department of Accounting and Finance. The appropriate forms are available in the Office of Business Student Services in the Jesse H. Jones School of Business building in Suite 117. Students must also meet prerequisite(s) for courses required as described in the course descriptions section. Transfer students must meet all admission requirements of the University, be in good standing at former institution(s) of attendance, and have met ASSET requirements or equivalents to be considered for admission to the Department. Grades below “C” in Accounting and Finance courses will not be accepted for transfer credit. Students applying for admission, who are not transfer students, are also responsible for verifying their ASSET status through the Office of Student Success Services (SSS). Transcripts of all college work must be forwarded to or presented to the Office of Business Student Services. Once admitted to the Department of Accounting and Finance, students are required to seek advisement through the Office of Business Student Services and to keep that office apprised of changes in address and telephone number.

For students majoring in other academic disciplines who wish to pursue a minor in Accounting or Finance, twenty-one (21) semester credit hours are required. See degree program schedule of courses in the Accounting or Finance area. **Students are cautioned that grades of “C-” are not accepted for the twenty-one (21) semester credit hours referenced.**

Graduation requirements include the following: (1) grades of “C” or better in all major courses (grades of “C-“ are not accepted); (2) no more than two grades of “D” in Business Core courses; (3) an overall GPA of 2.00 or better; and (4) an overall GPA of 2.50 or better in the major courses.

The Texas Legislature has passed a bill regarding the requirements to sit for the Certified Public Accountant (CPA) examination. In its present format, Texas candidates for the CPA examination must meet the 150-semester credit hour requirement before applying to sit for the CPA examination. To help meet this requirement, the Department is offering an accounting concentration in the MBA program that will enable students to meet the education requirements for CPA licensure as well as provide an opportunity to earn a Master of Business Administration (MBA) degree. The requirements and course offerings for the MBA program is described in the Graduate School Bulletin of Texas Southern University.

The Department also offers an insurance program which provides career opportunities as risk manager, actuary, claims examiner, insurance adjuster, insurance broker, insurance agent, risk analyst, underwriter, claims investigator, marketing representative, appraiser, and loss control specialist.

Students should read all general policies and information related to the Jesse H. Jones School of Business prior to acceptance into this instructional unit as a major or degree seeker.

In summary, interested students must do the following: (1) gain admission to the University; (2) fulfill prerequisite requirements for a major or minor in Accounting or Finance as specified in this section; (3) satisfy ASSET requirements or equivalent through the Office of Student Success Services (SSS); and (4) apply for admission to the Department as either a major or minor. Once admission has been obtained, students must seek advisement from the Office of Business Student Services before attempting to complete degree requirements. Questions may be directed to the Departmental Office at (713) 313-7910 or (713) 313-7590.



**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Ayadi, O. Felix</b>  <b>JP Morgan Chase Professor of Finance</b>                      B.S., M.S., University of Lagos                      Ph.D., University of Mississippi</p>	<p><b>O, Sewon</b>  <b>Associate Professor</b>                      B.A., Yonsei University                      M.S., Ph.D., Mississippi State University                      CPA</p>
<p><b>Boyd, Joseph L.</b>  <b>Distinguished Professor</b>                      B.S., M.S., Ph.D.                      University of South Carolina                      CPA</p>	<p><b>Perkins, Carlton</b>  <b>Associate Professor</b>                      B.S., Norfolk State College                      M.B.A., J.D., Texas Southern University                      CPA</p>
<p><b>Chatterjee, Amitava</b>  <b>Professor</b>                      B.S., M.S., University of Calcutta                      Ph.D., University of Mississippi</p>	<p><b>Pitre, Richard</b>  <b>Distinguished Professor</b>                      B.S., Southern University                      M.B.A., Atlanta University                      Ph.D., University of Houston                      CPA</p>
<p><b>Desselle, Bettye R.</b>  <b>Assistant Professor</b>                      B.S. Louisiana State University                      M.B.A. University of Wisconsin, Madison                      Ph.D., University of Houston                      CPA</p>	<p><b>Raghavan, Kamala</b>  <b>Associate Professor</b>                      B.Sc., Calcutta University                      M.S. Simmons College                      M.B.A. Northeastern University                      D.B.A., Cleveland State University                      CPA, CFP, CFF</p>
<p><b>Hyman, Ladelle M.</b>  <b>Professor</b>                      B.S., M.B.A., University of Arkansas                      M.A.S., University of Illinois                      Ph.D., North Texas State University                      CPA</p>	<p><b>Saunders, William</b>  <b>Associate Professor</b>                      B.S., Southwest Missouri State University                      J.D., University of Indiana</p>
<p><b>Iqbal, Zahid</b>  <b>Professor</b>                      Bachelor of Commerce, University of Dhaka                      M.B.A., East Tennessee State University                      Ph.D., University of North Texas</p>	<p><b>Tai, Chu-Sheng</b>  <b>Associate Professor</b>                      B.S., National Cheng Kung University                      M.S., Golden Gate University                      M.A., M.A.S., Ph.D., Ohio State University</p>
<p><b>Johnson, Ronald</b>  <b>Professor</b>                      B.A., M.B.A., Adelphi University                      M.A., Ph.D., Stanford University</p>	<p><b>Wang, Kun</b>  <b>Associate Professor</b>                      B.S., Shanxi Finance and Economics University                      M.S., New Mexico State University                      Ph.D., Texas A&amp;M University</p>

## ACCOUNTING COURSES

- ACCT 231**                      **Principles of Accounting I**                      (3)  
Fundamental concepts of double-entry theory, recording procedures, worksheet techniques, and financial statement preparation. Accounting for cash, receivables, inventories, plant assets, liabilities, and equity. Three hours of lecture per week. Prerequisites: MATH 133 and MATH 1  
**Listed as ACCT 2301 in the Texas Common Course Numbering System.**
- ACCT 232**                      **Principles of Accounting II**                      (3)  
Emphasis on the preparation of reports and the use of accounting data for internal management. Three hours of lecture per week. Prerequisite: ACCT 231  
**Listed as ACCT 2302 in the Texas Common Course Numbering System.**
- ACCT 300**                      **Accounting Information Systems**                      (3)  
Inquiry into the fundamental principles and concepts underlying accounting information systems. Three hours of lecture per week. Prerequisites: ACCT 231 with a grade of C or better and ACCT 232 with a grade of C or better.
- ACCT 331**                      **Intermediate Accounting I**                      (3)  
Techniques in adjusting, correcting, and revising accounting records and statements. Conventional standards and acceptable alternatives in accounting for cash, receivables, liabilities, and inventories. Three hours of lecture per week. Prerequisite: ACCT 231 with a grade of C or better.
- ACCT 332**                      **Intermediate Accounting II**                      (3)  
Accounting procedures for plant assets and intangible assets, liabilities and equity requirements peculiar to corporate accounting, analysis and interpretation of accounting data, and current trends in the application of basic concepts. Three hours of lecture per week.  
Prerequisite: ACCT 331 with a grade of C or better.
- ACCT 334**                      **Federal Income Tax Accounting**                      (3)  
Interpretation of the Internal Revenue Code and related regulations and instructions. Concepts of income tax determination and reporting requirements for individuals, partnerships, and corporations; payroll tax requirements and reporting procedures. Three hours of lecture per week. Prerequisites: ACCT 231 with a grade of C or better and ACCT 232 with a grade of C or better.
- ACCT 335**                      **Income Tax Practicum**                      (3)  
Preparation of federal income tax returns for individuals as part of the Voluntary Income Tax Assistance program. Students provide tax compliance services and prepare tax returns primarily for individuals who cannot afford professional tax services. Prerequisites: ACCT 334 with grade of C or better and approval by the Accounting Coordinator.
- ACCT 336**                      **Cost Accounting**                      (3)  
Provision of a basis for using Accounting as a management tool through the development of knowledge of accounting techniques for planning, controlling, and product costing. Three hours of lecture per week. Prerequisites: ACCT 231 with a grade of C or better and ACCT 232 with a grade of C or better.
- ACCT 339**                      **Business Law**                      (3)  
Study of the basic legal concepts and principles pertaining to fundamental business transactions and of the Uniform Commercial Code. Three hours of lecture per week. Prerequisite: BADM 234.
- ACCT 400**                      **Introduction to Energy Accounting**                      (3)  
Financial reporting and tax practices of the energy industry. Accounting for cost activities relating to, acquisition of mineral interest in properties, exploration, development and production of oil and gas. Designed to enhance knowledge and skill level of accounting students in order to improve their accounting skills and marketability in the global energy market. Prerequisite: ACCT 331.

<b>ACCT 430</b>	<b>Ethics for Accountants</b>	<b>(3)</b>
	Philosophical understanding of ethical complexities of the modern business enterprise and a fundamental base of ethical knowledge necessary for a career in Accounting and Finance. Prerequisite: Senior standing.	
<b>ACCT 431</b>	<b>Advanced Accounting</b>	<b>(3)</b>
	Accounting for mergers and acquisitions, partnership formation and liquidation, and multinational accounting. Three hours of lecture per week. Prerequisites: ACCT 331 with a grade of C or better and ACCT 332 with a grade of C or better.	
<b>ACCT 433</b>	<b>Auditing</b>	<b>(3)</b>
	Introduction to general auditing objectives and study of auditing principles, techniques, and internal controls. Prerequisites: ACCT 331 with a grade of C or better, ACCT 332 with a grade of C or better and ACCT 300 with a grade of C or better.	
<b>ACCT 436</b>	<b>Federal Income Tax Accounting II</b>	<b>(3)</b>
	Continuation of ACCT 334 with emphasis on research in taxation; accounting methods; payment of taxes; guides for partnerships, estates, trusts, and corporations; preparation and filing of required returns. Three hours of lecture per week. Prerequisite: ACCT 334 with a grade of C or better.	
<b>ACCT 438</b>	<b>Governmental and Not-For-Profit Accounting</b>	<b>(3)</b>
	An introduction to budgeting, accounting, and financial reporting of governmental entities as well as private and public not-for-profit organizations. Prerequisite: ACCT 331 with a grade of C or better.	
<b>ACCT 445</b>	<b>Contemporary Topics in Accounting</b>	<b>(3)</b>
	Applied study and research on emerging issues in the field of Accounting and Information Systems. Three hours of lecture per week. Prerequisites: Junior or senior status and consent of the instructor.	
<b>ACCT 446</b>	<b>Accounting Internship</b>	<b>(3)</b>
	Faculty supervised work experience where written reports are required. Students may be allowed to receive up to nine (9) hours of credit for this course with the approval of the instructor. Prerequisites: Junior or senior status and consent of the instructor	

#### FINANCE COURSES

<b>FIN 300</b>	<b>Personal Finance</b>	<b>(3)</b>
	Various aspects of personal and family finances including financial goal setting, budgeting, use of credit, investments, insurance, estate planning, retirement planning, taxation and housing. Prerequisites: ACCT 231 and ACCT 232.	
<b>FIN 301</b>	<b>Basic Financial Management</b>	<b>(3)</b>
	Introduction to financial markets, mathematics of finance, capital budgeting, valuation, and international finance. Three hours of lecture per week. Prerequisites: ACCT 231, ACCT 232, and ECON 231.	
<b>FIN 302</b>	<b>Management of Financial Institutions</b>	<b>(3)</b>
	Asset and liability management in the context of risk, liquidity, and profitability in the Financial Services Industry. Three hours of lecture per week. Prerequisite: FIN 301.	
<b>FIN 303</b>	<b>Treasury Management</b>	<b>(3)</b>
	Issues and current developments in cash and treasury management as a part of the CTM (Corporate Treasury Management) program. Successful completion of this course with a grade of "B" or higher will satisfy the eligibility criteria for students to sit for the CTP (Certified Treasury Professional) exam offered by the Association for Finance Professionals (AFP). Prerequisite: FIN 301.	

- FIN 304 Finance Boot Camp (3)**  
This course is designed for students to develop an understanding of investment banking and the role played by financial analysts in the valuation of corporations.
- FIN 312 Investments (3)**  
Types of investments; securities exchanges; market indexes; quotations; practices, procedures, and evaluations relating to stocks, bonds, and mutual fund trading; the international financial environment. Three hours of lecture per week. Prerequisite: FIN 301.
- FIN 338 International Finance (3)**  
Introduction to the international financial environment and international financial tools and techniques, including the foreign exchange markets, exchange rates, financing international operations, and foreign investments. Three hours of lecture per week. Prerequisite: FIN 301.
- FIN 403 Corporate Financial Management (3)**  
In-depth study of capital budgeting, financing, dividends, and related issues in the context of risk, return, and creation of value. Three hours of lecture per week. Prerequisite: FIN 301.
- FIN 405 Real-World Financial Training (3)**  
This course provides training on financial statement analysis, corporate finance, excel, financial modeling, valuation modeling and mergers and acquisition modeling. Prerequisite: FIN 301.
- FIN 411 Introduction to Derivatives (3)**  
Introduction to derivative instruments such as forwards, futures, options, and swaps. Emphasis is placed on the framework for pricing derivatives and strategies used to achieve various hedging and risk management objectives. Prerequisite: FIN 301.
- FIN 412 Finance: Cases and Readings (3)**  
Analysis of case problems in finance utilizing the tools and techniques developed in prior courses. Also includes readings on current financial events. Three hours of lecture per week. Prerequisites: FIN 301, FIN 312, and FIN 403.
- FIN 413 Risk Management and Insurance (3)**  
Fundamentals of risk management and insurance including the nature of potential loss exposures and alternative methods of managing them. Prerequisite: FIN 301.
- FIN 414 Real Estate Finance (3)**  
Knowledge of basic real estate theory and practice. Emphasis is placed on applying this knowledge to different areas of modern day real estate business and to issues in real estate practice. Prerequisite: FIN 301.
- FIN 415 Small Business and Entrepreneurial Finance (3)**  
Application of the theories and concepts of financial issues within the framework of small business and entrepreneurship. Topics include financial analysis and forecasting, valuations, investment and growth strategies. Prerequisite: FIN 301.
- FIN 417 Understanding Global Energy Markets (3)**  
This course provides a review of natural gas, oil and petroleum products, coal, liquefied natural gas and electricity including energy forecasting and supply and cost curves. Prerequisite: FIN 301.
- FIN 418 Financial Derivatives for Energy Markets (3)**  
The course provides comprehensive coverage of a wide range of financial derivative products including oil, natural gas, foreign exchange and interest rate markets. Prerequisite: FIN 301.

## INSURANCE COURSES

- INS 300**                      **General Insurance**                      **(3)**  
Nature and function of the insurance mechanism and a survey of the principal characteristics of the several branches into which the insurance industry is divided. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
- INS 301**                      **Fundamentals of Life Insurance**                      **(3)**  
Functions and mechanics of life insurance; the life insurance contract; the rights of the insured, beneficiaries, and creditors. Some emphasis placed on interpreting mortality tables. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
- INS 400**                      **Property Insurance Contracts**                      **(3)**  
Provisions of property and casualty insurance contracts. Considerable attention paid to commercial policy forms. Some emphasis placed on insurance company operations. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
- INS 401**                      **Employee Benefits and Retirement Plans**                      **(3)**  
Exposure to major components of most benefit plans; health coverage, retirement, and disability plans. Features of group insurance covered in detail. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
- INS 402**                      **Insurance Operations & Regulations**                      **(3)**  
Fundamentals of insurance operations and regulations. Topics include underwriting, ratemaking, claim adjusting, and reinsurance. Some emphasis is placed on insurer financial statements and strategies. Prerequisite: 60 semester credits completed.

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE  
IN ACCOUNTING  
TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM (STANDARD)</b>	<b>MAJOR (ACCOUNTING)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>57 credits</b>	<b>19 credits</b>
ENG 131 (3) <sup>1</sup>	<b>School of</b>	ECON 232 (3)
ENG 132 (3)	<b>Business Core (30)</b>	MATH 135 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MGSC 239 (3)
MATH 133 (3)	ACCT 232 (3)	FS 102 (1)
Natural Science (8) <sup>2</sup>	BADM 101 (3)	General Ed Elective (9) <sup>4</sup>
ENG 2xx (3)	BADM 230 (3)	
Humanities & Visual/Perform. Arts (3) <sup>3</sup>	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
ECON 231 (3)	BADM 450 (3)	
MIS 204 (3)	<b>Other Major</b>	
	<b>Requirements (27)</b>	
	ACCT 300 (3)	
	ACCT 331 (3)	
	ACCT 332 (3)	
	ACCT 334 (3)	
	ACCT 336 (3)	
	ACCT 433 (3)	
	ACCT Electives (9) <sup>5</sup>	

<sup>1</sup>(N) represents the number of course credits.

<sup>2</sup>Natural Science credits should be selected from the following: BIOL 143 (4) or CHEM 111, 131 (4) plus ONE of the following: CHEM 112, 132 (4); GEOL 141 (4); PHYS 101 (4); PHYS 213,237 (4); PHYS 214, 238 (4); BIOL 135 (4) BIOL (136); or BIOL 246 (4).

<sup>3</sup>Humanities & Visual and Performing Arts credits should be selected from the following: THC 130 (3); THC 231 (3); MUSI 131 (3); MUSI 239 (3); ART 131 (3), or ART 135 (3).

<sup>4</sup>General Ed Elective must be a non-business course.

<sup>5</sup>ACCT Electives must be 300- or 400-level accounting courses.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE  
IN ACCOUNTING  
FOUR-YEAR DEGREE PLAN – TOTAL CREDIT HOURS: 120**

FIRST YEAR	FIRST SEMESTER		SECOND SEMESTER	
	BADM 101 Introduction to Business	3		
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	MATH 135 Math for Business & Economics	3
	SC 135 Business & Professional Comm	3	MIS 204 Fundamentals of Information Systems	3
	Humanities & Visual/Perform Arts	3	BADM 234 Legal & Regulatory Envir of Bus	3
	FS 102 Freshman Seminar	1	Natural Science	4
	<b>16 hrs.</b>		<b>16 hrs.</b>	

SECOND YEAR	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 230 Advanced Communication Skills	3	ENG 2xx Literature	3
	Natural Science	4	ECON 231 Principles of Economics I	3
	<b>16 hrs.</b>		<b>15 hrs.</b>	

THIRD YEAR	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	ACCT 300 Information Systems	3
	MKTG 306 Principles of Marketing	3	ACCT 332 Intermediate Accounting II	3
	MGSC 239 Business Statistics I	3	ACCT 334 Federal Income Tax	3
	FIN 301 Basic Financial Management	3	MGSC 302 Operations Management I	3
	ACCT 331 Intermediate Accounting I	3	General Ed Elective	3
	<b>15 hrs.</b>		<b>15 hrs.</b>	

FOURTH YEAR	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ACCT 336 Cost Accounting	3	ACCT (Elective)	3
	ACCT 433 Auditing	3	ACCT (Elective)	3
	ACCT (Elective)	3	BADM 450 Organizational Policy & Strategy	3
	MGMT 300 Principles of Management	3	General Ed Elective	3
	General Ed Elective	3		
	<b>15 hrs.</b>		<b>12 hrs.</b>	

ACCOUNTING MINOR FOR NON-BUSINESS MAJORS TOTAL CREDITS REQUIRED: 21
<b>21 credits</b>
ACCT 231 (3)
ACCT 232 (3)
ACCT 331 (3)
BADM 234 (3)
MGMT 300 (3)
Accounting Electives (6)*

\*300- or 400-level accounting courses

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE  
IN FINANCE  
TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM (STANDARD)</b>	<b>MAJOR (FINANCE)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>57 credits</b>	<b>19 credits</b>
ENG 131 (3) <sup>1</sup>	<b>School of</b>	ECON 232 (3)
ENG 132 (3)	<b>Business Core (30)</b>	MATH 135 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MGSC 239 (3)
MATH 133 (3)	ACCT 232 (3)	FS 102 (1)
Natural Science (8) <sup>2</sup>	BADM 101 (3)	General Ed Elective (9) <sup>4</sup>
ENG 2xx (3)	BADM 230 (3)	
Humanities & Visual/Perform. Arts (3) <sup>3</sup>	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
ECON 231 (3)	BADM 450 (3)	
MIS 204 (3)	<b>Other Major</b>	
	<b>Requirements (27)</b>	
	FIN 302 (3)	
	FIN 312 (3)	
	FIN 338 (3)	
	FIN 403 (3)	
	MGSC 304 (3)	
	MGSC 331 (3)	
	Restricted Electives (9) <sup>5</sup>	

<sup>1</sup>(N) represents the number of course credits.

<sup>2</sup>Natural Science credits should be selected from the following: BIOL 143 (4) or CHEM 111, 131 (4) plus ONE of the following: CHEM 112, 132 (4); GEOL 141 (4); PHYS 101 (4); PHYS 213,237 (4); PHYS 214, 238 (4); BIOL 135 (4) BIOL (136); or BIOL 246 (4).

<sup>3</sup>Humanities & Visual and Performing Arts credits should be selected from the following: THC 130 (3); THC 231 (3); MUSI 131 (3); MUSI 239 (3); ART 131 (3), or ART 135 (3).

<sup>4</sup>General Ed Elective must be a non-business course.

<sup>5</sup>Restricted electives must be 300- or 400-level accounting or finance courses.



**BACHELOR OF BUSINESS ADMINISTRATION DEGREE  
IN FINANCE  
FOUR-YEAR DEGREE PLAN – TOTAL CREDIT HOURS: 120**

<b>FIRST YEAR</b>	<b>FIRST SEMESTER</b>		<b>SECOND SEMESTER</b>	
	BADM 101 Introduction to Business	3		
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	MATH 135 Math for Business & Economics	3
	SC 135 Business & Professional Comm	3	MIS 204 Fundamentals of Information Systems	3
	Humanities & Visual/Perform Arts	3	BADM 234 Legal & Regulatory Envir of Bus	3
	FS 102 Freshman Seminar	1	Natural Science	4
		<b>16 hrs.</b>		<b>16 hrs.</b>

<b>SECOND YEAR</b>	<b>THIRD SEMESTER</b>		<b>FOURTH SEMESTER</b>	
	POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 230 Advanced Communication Skills	3	ENG 2xx Literature	3
	Natural Science	4	ECON 231 Principles of Economics I	3
		<b>16 hrs.</b>		<b>15 hrs.</b>

<b>THIRD YEAR</b>	<b>FIFTH SEMESTER</b>		<b>SIXTH SEMESTER</b>	
	ECON 232 Principles of Economics II	3	FIN 312 Investments	3
	MKTG 306 Principles of Marketing	3	FIN (Elective)	3
	MGSC 239 Business Statistics I	3	MGSC 331 Business Statistics II	3
	MGSC 304 Information Technology	3	MGSC 302 Operations Management I	3
	FIN 301 Basic Financial Management	3	General Ed Elective	3
	<b>15 hrs.</b>		<b>15 hrs.</b>	

<b>FOURTH YEAR</b>	<b>SEVENTH SEMESTER</b>		<b>EIGHTH SEMESTER</b>	
	FIN 302 Management of Financial Institutions	3	FIN 403 Corporate Financial Management	3
	FIN 338 International Finance	3	FIN (Elective)	3
	FIN (Elective)	3	BADM 450 Organizational Policy & Strategy	3
	MGMT 300 Principles of Management	3	General Ed Elective	3
	General Ed Elective	3		
	<b>15 hrs.</b>		<b>12 hrs.</b>	

<b>FINANCE MINOR FOR NON-BUSINESS MAJORS TOTAL CREDITS REQUIRED: 21</b>	
<b>21 credits</b>	
FIN 301 (3)	
ACCT 231 (3)	
ACCT 232 (3)	
FIN 312 (3)	
FIN 403 (3)	
Finance Electives (6)*	

\*300- or 400-level finance courses

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN FINANCE  
WITH INSURANCE CONCENTRATION  
TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM (STANDARD)</b>	<b>MAJOR (FINANCE)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>57 credits</b>	<b>19 credits</b>
ENG 131 (3) <sup>1</sup>	<b>School of</b>	ECON 232 (3)
ENG 132 (3)	<b>Business Core (30)</b>	MATH 135 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MGSC 239 (3)
MATH 133 (3)	ACCT 232 (3)	FS 102 (1)
Natural Science (8) <sup>2</sup>	BADM 101 (3)	General Ed Elective (9) <sup>4</sup>
ENG 2xx (3)	BADM 230 (3)	
Humanities & Visual/Perform. Arts (3) <sup>3</sup>	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
ECON 231 (3)	BADM 450 (3)	
MIS 204 (3)	<b>Other Major</b>	
	<b>Requirements (27)</b>	
	FIN 302 (3)	
	FIN 312 (3)	
	FIN 338 (3)	
	FIN 403 (3)	
	MGSC 304 (3)	
	MGSC 331 (3)	
	FIN 413 (3)	
	INS 400 (3)	
	INS 402 (3)	

<sup>1</sup>(N) represents the number of course credits.

<sup>2</sup>Natural Science credits should be selected from the following: BIOL 143 (4) or CHEM 111, 131 (4) plus ONE of the following: CHEM 112, 132 (4); GEOL 141 (4); PHYS 101 (4); PHYS 213,237 (4); PHYS 214, 238 (4); BIOL 135 (4) BIOL (136); or BIOL 246 (4).

<sup>3</sup>Humanities & Visual and Performing Arts credits should be selected from the following: THC 130 (3); THC 231 (3); MUSI 131 (3); MUSI 239 (3); ART 131 (3), or ART 135 (3).

<sup>4</sup>General Ed Elective must be a non-business course.

## DEPARTMENT OF BUSINESS ADMINISTRATION

The Department of Business Administration offers courses in Business Administration (BADM) and the following functional business disciplines: Management (MGMT), Management Information Systems (MIS), Management Science (MGSC), and Marketing (MKTG) at both the undergraduate and graduate levels. **The Department offers the Bachelor of Business Administration (B.B.A.) degree in Management, Management Information Systems, and Marketing at the undergraduate level; and the Master of Business Administration (M.B.A.) degree in Business Administration and Master of Science (M.S.) degree in Management Information Systems at the graduate level. Two minors are offered in Business Administration and Entrepreneurship at the undergraduate level. Also, one concentration is offered in Human Resource Management in the Management major and Entrepreneurship is offered as a concentration in the Management and Marketing majors. Members of the Department are located on the third floor of the Jesse H. Jones School of Business building in Suites 315 and 340.**

**Students interested in the Master of Business Administration (M.B.A.) degree in Business Administration or Master of Science (M.S.) degree in Management Information Systems should refer to the Graduate School Bulletin of Texas Southern University for details.**

The mission of the Department of Business Administration is to prepare students for positions of leadership, trust, and responsibility in business, government, entrepreneurial, and community service organizations. The Department offers the foundation business courses (except Accounting, Business Law, and Finance) and provides the curriculum of study for Management, Management Information Systems, and Marketing majors.

Requirements for the Bachelor of Business Administration (B.B.A.) degree in Management, the Bachelor of Business Administration (B.B.A.) degree in Management Information Systems, and the Bachelor of Business Administration (B.B.A.) degree in Marketing are summarized in this section, including exact course requirements (and their sequencing) and credits needed for graduation. In pursuing a degree in Management, Management Information Systems or Marketing, a total of 120 semester credit hours are required; **students are not required to declare a minor in another academic discipline.** Students seeking a major in Management, Management Information Systems, or Marketing or a minor in Business Administration or Entrepreneurship must first gain admission to the Department of Business Administration through the procedures outlined below.

Students wishing to pursue a major in Management, Management Information Systems, or Marketing or a minor in Business Administration or Entrepreneurship should indicate their preference on the application for admission to the University. Students who seek to change their major to Management, Management Information Systems, or Marketing must petition for admission to the Department of Business Administration. The appropriate forms are available in the Office of Business Student Services in the Jesse H. Jones School of Business building in Suite 117. Students must also meet prerequisite(s) for courses required as described in the course descriptions section. Transfer students must meet all admission requirements of the University, be in good standing at former institution(s) of attendance, and have met ASSET and or equivalent requirements to be considered for admission to the Department. Grades below “C” in business courses will not be accepted for transfer credit. Students applying for admission, who are not transfer students, are also responsible for verifying their ASSET or equivalent status through Academic Advisement Services in the Office of Student Success Services (SSS). Transcripts of all college work must be forwarded to or presented to the Office of Admissions where they will be routed to Business Student Services. Once admitted to the Department of Business Administration, students are required to seek advisement through the Office of Business Student Services and to keep that office apprised of changes in address and telephone number.

For students majoring in other academic disciplines who wish to pursue a minor in Business Administration or Entrepreneurship, twenty-seven (27) semester credit hours are required. See degree program schedule of courses in this section of the catalog. **Students are cautioned that grades of “C-” are not accepted for the twenty-seven (27) semester credit hours referenced.**

Graduation requirements include the following: (1) grades of “C” or better in the major courses (grades of “C-” are not accepted); (2) no more than two grades of “D” in Business Core courses; (3) an overall GPA of 2.00 or better; and (4) an overall GPA of 2.50 or better in the major courses.

**Students should read all general policies and information related to the Jesse H. Jones School of Business prior to acceptance into this instructional unit as a major or degree seeker.**

**In summary, interested students must do the following: (1) gain admission to the University; (2) fulfill prerequisite requirements for a major in Management, Management Information Systems or Marketing, or a minor in Business Administration or Entrepreneurship; (3) satisfy ASSET requirements or equivalent through Academic Advisement Services in the Office of Student Success Services (SSS); and (4) apply for admission to the Department as either a major or minor. Once admission has been obtained, students must seek advisement from the Office of Business Student Services before attempting to complete degree requirements. Questions may be directed to the Department Office at (713) 313-7309 or (713) 313-7590.**

**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Brice, Jeff</b>  <b>Associate Professor</b>                      B.S., Tuskegee Institute                      M.B.A., Clark Atlanta University                      Ph.D., Mississippi State University</p>	<p><b>Sherif, Karma</b>  <b>Associate Professor</b>                      B.A., American University in Cairo                      M.S., Texas A&amp;M University, College Station                      Ph.D., Texas A&amp;M University, College Station</p>
<p><b>Claiborne, Claudius B.</b>  <b>Professor</b>                      B.S., Duke University                      M.E., Dartmouth College                      M.B.A., Washington University                      Ph.D., Virginia Polytechnic Institute and State University</p>	<p><b>Smith, Marion</b>  <b>Associate Professor</b>                      B.S., Rensselaer Polytechnic Institute                      M.B.A., Rensselaer Polytechnic Institute                      Ph.D., University of Houston</p>
<p><b>Cooley, Delonia</b>  <b>Assistant Professor</b>                      B.S., M.S., M.B.A., University of Arkansas Fayetteville                      Ph.D., University of Memphis</p>	<p><b>Superville, Claude</b>  <b>Professor</b>                      B.B.A., Florida International University                      M.S., Ph.D., University of Alabama</p>
<p><b>Desai, Mayur</b>  <b>Professor</b>                      B.S., University of Bombay                      M.S., Texas A&amp;M University, Kingsville, TX                      M.B.A., Harding Simmons University                      Ph.D., University of North Texas</p>	<p><b>Thomas, Esther R.</b>  <b>Assistant Professor</b>                      B.B.A., New Mexico State University                      M.B.A., New Mexico State University                      Ph.D., New Mexico State University</p>
<p><b>Hansen, David E.</b>  <b>Professor</b>                      B.A., San Diego State University                      M.B.A., University of California at Los Angeles                      Ph.D., Duke University</p>	<p><b>Vanjani, Mahesh</b>  <b>Professor</b>                      B.Com., University of Calcutta                      M.B.A., M.A., , University of Mississippi                      Ph.D., University of Mississippi</p>
<p><b>Ofori-Brobby, Kwadwo</b>  <b>Associate Professor</b>                      B.A., University of Cape Coast                      M.B.A., M.P.A., Texas Southern University                      M.Tax, University of Mississippi                      Ph.D., University of Texas at Dallas</p>	<p><b>Wiley, Clara A.</b>  <b>Instructor</b>                      B.S., Texas Southern University                      M.B.A., Texas Southern University</p>
<p><b>Ojode, Lucy</b>  <b>Associate Professor</b>                      B. Com., University of Nairobi                      M.B.A., University of Nairobi                      Ph.D., University of Illinois, Urbana Champaign</p>	<p><b>Williams, John H.</b>  <b>Associate Professor</b>                      B.S., Prairie View A &amp; M University                      M.B.A., University of Texas at Austin                      Ph.D., University of Texas at Austin</p>
<p><b>Parks-Yancy, Rochelle</b>  <b>Associate Professor</b>                      B.S., Central State University                      M.B.A., Howard University                      Ph.D., Rutgers University</p>	<p><b>Williams, Johnnie</b>  <b>Associate Professor</b>                      B.A., Rollins College                      M.S., University of Tennessee                      Ph.D., University of Tennessee</p>
<p><b>Ramaswamy, K. V.</b>  <b>Professor</b>                      B.E., University of Madras                      M.S., Texas Tech University                      Ph.D., Texas Tech University</p>	<p><b>Woldie, Mammo</b>  <b>Professor</b>                      B.A., Haile Selassie University                      M.S., Western Michigan University                      Ph.D., Oklahoma State University</p>
<p><b>Robinson, Sammie L.</b>  <b>Assistant Professor</b>                      B.B.A., Southwestern University                      M.B.A., Southern Methodist University                      Ph.D., The University of Kansas</p>	<p><b>Yorke, George G.</b>  <b>Professor</b>                      B.A., Howard University                      M.S., Howard University                      Ph.D., University of Virginia</p>

## BUSINESS ADMINISTRATION COURSES

- BADM 101**                    **Introduction to Business and Entrepreneurship**                    (3)  
Overview of the nature of business and its environment with focus on social responsibility, environmental/ecological issues, and ethics. Three hours of lecture per week.
- BADM 111**                    **Leadership Development I**                    (1)  
Emphasizes the development of communication skills necessary for receiving and transmitting information and concepts. One hour of lecture per week.
- BADM 112**                    **Leadership Development II**                    (1)  
Development of research skills necessary to locate, obtain, and organize information to solve unstructured problems in unfamiliar settings. One hour of lecture per week.
- BADM 230**                    **Advanced Communication Skills**                    (3)  
Development of written communication, oral communication, and presentation skills in the context of critical issues for business. Three hours of lecture per week.  
Prerequisites: ENG 131, ENG 132, and SC 135.
- BADM 234**                    **Legal and Regulatory Environment of Business**                    (3)  
Legal systems of government, business, and society, including coverage of ethics, contracts, business organizations, creditor/ debtor relationships, international law, environmental issues, and business regulation. Three hours of lecture per week.
- BADM 311**                    **Leadership Development III**                    (1)  
Development of skills necessary to exercise judgment; introduction to ethical precepts in business. One hour of lecture per week.
- BADM 450**                    **Organizational Policy and Strategy**                    (3)  
Integrative, problem-solving course on domestic and international top management problems, strategy, policy formulation, and execution. Three hours of lecture per week.  
Prerequisites: MGMT 300, FIN 301, MGSC 302, MKTG 306.
- BADM 466**                    **Business Internship**                    (3)  
Faculty supervised work experience where written reports are required.  
Prerequisites: At least Junior standing (60 semester hours completed) and consent of the instructor.

## ENTREPRENEURSHIP COURSES

- ENTR 300**                    **Introduction to Entrepreneurship**                    (3)  
A comprehensive introduction to entrepreneurship. Basic topics include entrepreneurship, entrepreneurs, and new venture development. Individual and team projects including the development of introductory-level business plans.  
Prerequisite: Completion of at least 60 semester credit hours or consent of the instructor.
- ENTR 330**                    **New Venture Marketing**                    (3)  
A study of the fundamentals of marketing research, planning, and strategy as applied to new ventures. Major emphasis on developing market planning and research skills.  
Prerequisite: ENTR 300.
- ENTR 335**                    **Financial Foundations for New Ventures**                    (3)  
Foundational accounting and financial analysis for new ventures. Major emphasis on the production, integration, and interpretation of financial information for use in business planning and capital budgeting. Prerequisites: ACCT 231 and ENTR 300.

**ENTR 420 Seminar in Entrepreneurship (3)**  
Capstone course in the entrepreneurship concentration. Major emphasis on entrepreneurial skill integration, case analysis, and the development and presentation of an advanced-level business plan. Prerequisites: ENTR 300, ENTR 330, and ENTR 335.

#### MANAGEMENT COURSES

**MGMT 300 Principles of Management (3)**  
Study of the processes of planning, organizing, directing, and controlling in the context of demographic diversity, globalization, and ethical decision making. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.

**MGMT 301 Personnel and Human Resource Development (3)**  
Policies, procedures, and strategies for human resource management. Topics include recruitment, selection and utilization, employee appraisal, compensation systems, and career planning. Three hours of lecture per week. Prerequisite: MGMT 300.

**MGMT 330 Organizational Behavior (3)**  
Applications for managing people in modern organizations. Topics include decision-making, motivation, leadership, power, conflict, stress, understanding individual differences, and diversity. Prerequisite: 60 semester credit hours completed.

**MGMT 350 Critical Thinking and Problem-Solving Skills (3)**  
Critical thinking skills and the decision-making process with an emphasis on understanding and improving how we make effective and creative decisions. Three hours of lecture per week. Prerequisite: MGMT 330 or consent of the instructor.

**MGMT 395 Teambuilding and Organizational Change (3)**  
Effective group dynamics and understanding behavior in groups with attention to planning and managing change; individual, group, and system interventions; transformation; and re-engineering processes. Three hours of lecture per week. Prerequisite: MGMT 330.

**MGMT 400 Small Business Management (3)**  
Organizational and administrative problems of the small business manager with emphasis on the inner-city business person and urban development. Three hours of lecture per week. Prerequisite: MGMT 300 or consent of the instructor.

**MGMT 401 Leadership and Motivation (3)**  
Development of management skills, self-assessment for organizational settings, and the nature of leadership and motivation in theory and practice. Three hours of lecture per week. Prerequisite: MGMT 330.

**MGMT 402 International Management (3)**  
Management processes as they apply within different cultural environments with emphasis on contrasts among values, beliefs, perceptions, attitudes, and behavior, including consideration of their effects upon business. Three hours of lecture per week. Prerequisite: MGMT 300 or consent of the instructor.

**MGMT 405 Business, Government, and Society (3)**  
Historical and contemporary views of business as a social institution with a focus on social responsibility, environmental/ecological issues, and ethics. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.

- MGMT 407**                    **The Legal Environment of Human Resource Management**                    (3)  
Employment laws relevant to human resources professionals, as well as how to apply the laws in various circumstances. Prerequisite: MGMT 300.
- MGMT 408**                    **Managing the Global Workforce**                    (3)  
Managing human resources in global settings and distinguishing international HR practices from domestic HR practices. Prerequisite: MGMT 300.
- MGMT 409**                    **Human Resources Information Systems**                    (3)  
HR Internet based and software applications. Students also learn contexts in which to apply the software and the importance of securing information. Prerequisites: MGMT 300 and MGSC 304.

#### MANAGEMENT INFORMATION SYSTEMS COURSES

- MIS 204**                    **Fundamentals of Information Systems**                    (3)  
The management and use of Information Technology in business today by diverse individuals, groups, and organizations.
- MIS 310**                    **Programming Concepts**                    (3)  
Basic concepts of software programming including the evolution of programming and its implications for businesses. Topics include design of programs using state of the art programming languages, object-oriented programming concepts, and problem-solving skills using software program.  
Prerequisite: MIS 204.
- MIS 320**                    **Hardware and Networking**                    (3)  
Basic understanding of the hardware components of information systems. The course will also address basic networking concepts and various networking approaches used in businesses.  
Prerequisite: MIS 204
- MIS 340**                    **Database Design and Development**                    (3)  
An introductory course in database technology. It provides students an understanding of developing data models and databases using Database Management Systems software.  
Prerequisite: MIS 204.
- MIS 350**                    **Advanced Programming**                    (3)  
Students will apply programming concepts learned in the first programming course to a business problem. Prerequisites: MIS 310 and MIS 340.
- MIS 410**                    **Systems Analysis and Design**                    (3)  
Information system development methods using state of the art software development tools.  
Prerequisite: MIS 340.
- MIS 420**                    **Web Development**                    (3)  
Web-based web development tools to design and develop a website. The course will help students develop basic skills to provide web-based solutions to business problems related to e-commerce.  
Prerequisite: MIS 310.
- MIS 450**                    **Information Technology Security**                    (3)  
A course that will expose students to information technology security concepts.  
Prerequisite: MIS 320.
- MIS 460**                    **Enterprise Resource Planning**                    (3)  
Enterprise Resource Planning (ERP) that will provide students with an understanding of integrating functional information systems in an organizational setting. Basic concepts of popular ERP software will also be introduced. Prerequisite: MIS 410.

<b>MIS 470</b>	<b>MIS Capstone</b>	<b>(3)</b>
	A capstone course that provides students with an overall understanding of information systems from different perspectives. Student will work on analyzing cases and developing an overall information systems solution using popular software. Prerequisite: MIS 410.	
<b>MIS 480</b>	<b>Current Topics</b>	<b>(3)</b>
	Current topics in the MIS area. Topics to be determined by the instructor. Prerequisite: MIS 340.	
<b>MIS 490</b>	<b>Internship</b>	<b>(3)</b>
	Internship in the information technology area in an IT department within an approved organization. Prerequisite: Completion of 18 Cr. Hrs. of course work in MIS Program.	

### MANAGEMENT SCIENCE COURSES

<b>MGSC 239</b>	<b>Business Statistics I</b>	<b>(3)</b>
	Basic elements of classical statistical analysis, including descriptive statistics, probability theory, probability distributions, sampling, estimation, and testing in the analysis of business problems. Three hours of lecture per week. Prerequisites: MATH 133 and MATH 135 or higher (except MATH 231).	
<b>MGSC 302</b>	<b>Operations Management I</b>	<b>(3)</b>
	Introduction to organizational and managerial problems in the area of operations. Topics include forecasting, inventory, scheduling, operations planning, and control. Three hours of lecture per week. Prerequisites: MGSC 239 and 60 semester credit hours completed.	
<b>MGSC 303</b>	<b>Operations Management II</b>	<b>(3)</b>
	Design, operation, and control of the transformation process in both service and production settings. Topics include: quality assurance, aggregate planning, and queuing analysis. Three hours of lecture per week. Prerequisite: MGSC 302.	
<b>MGSC 304</b>	<b>Information Technology</b>	<b>(3)</b>
	Development of software skills and an appreciation of the role of information technology in modern organizations. Three hours of lecture per week. Prerequisites: MIS 204 or CS 116 and 60 semester credit hours completed.	
<b>MGSC 331</b>	<b>Business Statistics II</b>	<b>(3)</b>
	Special topics in statistics, including regression, correlation, analysis of variance, time series, and non-parametric statistics as related to statistical decision theory applied to business problems. Three hours of lecture per week. Prerequisite: MGSC 239.	
<b>MGSC 440</b>	<b>Supply Chain Management</b>	<b>(3)</b>
	A course in Supply Chain Management. Prerequisites: MGSC 302 and MIS 340	

### MARKETING COURSES

<b>MKTG 306</b>	<b>Principles of Marketing</b>	<b>(3)</b>
	Marketing functions and environmental factors related to satisfying consumer needs. Legal, behavioral, ethical, competitive, economic, and technological factors discussed as they affect marketing decisions. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.	
<b>MKTG 307</b>	<b>Marketing Channels and Institutions</b>	<b>(3)</b>
	Institutional, functional, and social aspects of distribution channel design and management with emphasis on retail management. Three hours of lecture per week. Prerequisite: MKTG 306.	



- MKTG 336**                      **Marketing Communications**                      **(3)**  
Design and evaluation of marketing communications: communication theory, theories of persuasion and attitude change, promotion mix decisions, and advertiser-agency relationship. Three hours of lecture per week. Prerequisite: MKTG 306.
- MKTG 430**                      **Marketing Decision Making: Theory and Practice**                      **(3)**  
Role of information in marketing decision making with emphasis on the application of research concepts and methodologies to marketing problems. Three hours of lecture per week. Prerequisites: MGSC 239 and MKTG 306.
- MKTG 431**                      **Entrepreneurial Marketing**                      **(3)**  
Planning, developing, and implementing marketing programs for entrepreneurial opportunities. Three hours of lecture per week. Prerequisite: MKTG 306 or consent of the instructor.
- MKTG 432**                      **International Marketing**                      **(3)**  
Problems and procedures for marketing in foreign countries: effects of foreign cultures and marketing systems on design and execution of marketing. Three hours of lecture per week. Prerequisite: MKTG 306 or consent of the instructor
- MKTG 435**                      **Strategic Marketing Management**                      **(3)**  
Strategic marketing management concepts: market opportunity analysis; market segmentation, targeting, and positioning; marketing mix strategies; and the marketing control process. Three hours of lecture per week. Prerequisites: MKTG 430 and 90 semester credit hours completed.
- MKTG 444**                      **Professional Selling**                      **(3)**  
The universal need for sales, improving sales skills, characteristics and tools needed for success in the profession.

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE  
IN MANAGEMENT  
TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM (STANDARD)</b>	<b>MAJOR (MANAGEMENT)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>57 credits</b>	<b>19 credits</b>
ENG 131 (3) <sup>1</sup>	<b>School of</b>	ECON 232 (3)
ENG 132 (3)	<b>Business Core (30)</b>	MATH 135 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MGSC 239 (3)
MATH 133 (3)	ACCT 232 (3)	FS 102 (1)
Natural Science (8) <sup>2</sup>	BADM 101 (3)	General Ed Elective (9) <sup>4</sup>
ENG 2xx Literature (3)	BADM 230 (3)	
Humanities & Visual/Perform. Arts (3) <sup>3</sup>	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
ECON 231 (3)	BADM 450 (3)	
MIS 204 (3)	<b>Other Major</b>	
	<b>Requirements (27)</b>	
	MGMT 301 (3)	
	MGMT 330 (3)	
	MGMT 395 (3)	
	ENTR 300 (3)	
	MGMT 401 (3)	
	MGMT 402 (3)	
	MGSC 303 (3)	
	MGSC 304 (3)	
	MGSC 331 (3)	

<sup>1</sup>(N) represents the number of course credits.

<sup>2</sup>Natural Science credits should be selected from the following: BIOL 143 (4) or CHEM 111, 131 (4) plus ONE of the following: CHEM 112, 132 (4); GEOL 141 (4); PHYS 101 (4); PHYS 213,237 (4); PHYS 214, 238 (4); BIOL 135 (4) BIOL (136); or BIOL 246 (4).

<sup>3</sup>Humanities & Visual and Performing Arts credits should be selected from the following: THC 130 (3); THC 231 (3); MUSI 131 (3); MUSI 239 (3); ART 131 (3), or ART 135 (3).

<sup>4</sup>General Ed Elective must be a non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE  
IN MANAGEMENT  
FOUR-YEAR DEGREE PLAN – TOTAL CREDIT HOURS: 120**

FIRST YEAR	FIRST SEMESTER		SECOND SEMESTER	
	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 135 Math for Business & Economics	3
	MATH 133 College Algebra	3	MIS 204 Fundamentals of Information Systems	3
	SC 135 Business & Professional Comm.	3	BADM 234 Legal & Regulatory Envir of Bus	3
	Humanities & Visual/Perform. Arts	3	Natural Science	4
	FS 102 Freshman Seminar	1		
		<b>16 hrs.</b>		<b>16 hrs.</b>

SECOND YEAR	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 230 Advanced Communication Skills	3	ENG 2xx Literature	3
	Natural Science	4	ECON 231 Principles of Economics I	3
	<b>16 hrs.</b>		<b>15 hrs.</b>	

THIRD YEAR	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	MGMT 301 Personnel and Manpower Dev	3
	MGMT 300 Principles of Management	3	MGSC 302 Operations Management I	3
	MGSC 239 Business Statistics I	3	MGMT 330 Organizational Behavior	3
	MGSC 304 Information Technology	3	ENTR 300 Introduction to Entrepreneurship	3
	FIN 301 Basic Financial Management	3	General Ed Elective	3
	<b>15 hrs.</b>		<b>15 hrs.</b>	

FOURTH YEAR	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MGMT 395 Teambuilding and Org. Change	3	BADM 450 Organizational Policy & Strategy	3
	MGSC 303 Operations Management II	3	MGMT 401 Leadership and Motivation	3
	MGSC 331 Business Statistics II	3	MGMT 402 International Management	3
	MKTG 306 Principles of Marketing	3	General Ed Elective	3
	General Ed Elective	3		
	<b>15 hrs.</b>		<b>12 hrs.</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT  
WITH ENTREPRENEURSHIP CONCENTRATION  
TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM (STANDARD)</b>	<b>MAJOR (MANAGEMENT)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>57 credits</b>	<b>19 credits</b>
ENG 131 (3) <sup>1</sup>	<b>School of Business</b>	ECON 232 (3)
ENG 132 (3)	<b>Core (30)</b>	MATH 135 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MGSC 239 (3)
MATH 133 (3)	ACCT 232 (3)	FS 102 (1)
Natural Science (8) <sup>2</sup>	BADM 101 (3)	General Ed Elective (9) <sup>4</sup>
ENG 2xx Literature (3)	BADM 230 (3)	
Humanities & Visual/Perform. Arts (3) <sup>3</sup>	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
ECON 231 (3)	BADM 450 (3)	
MIS 204 (3)	<b>Management Major</b>	
	<b>Requirements (12)</b>	
	MGMT 301 (3)	
	MGMT 330 (3)	
	MGMT 401 (3)	
	MGSC 304 (3)	
	<b>Entrepreneurship Concentration</b>	
	<b>Requirements (12)</b>	
	ENTR 300 (3)	
	ENTR 330 (3)	
	ENTR 335 (3)	
	ENTR 420 (3)	
	<b>Management Electives (3 hours from the following):</b>	
	MGMT 395 (3)	
	MGMT 402 (3)	
	MGSC 303 (3)	
	MGMT 331 (3)	

<sup>1</sup>(N) represents the number of course credits.

<sup>2</sup>Natural Science credits should be selected from the following: BIOL 143 (4) or CHEM 111, 131 (4) plus ONE of the following: CHEM 112, 132 (4); GEOL 141 (4); PHYS 101 (4); PHYS 213,237 (4); PHYS 214, 238 (4); BIOL 135 (4) BIOL (136); or BIOL 246 (4).

<sup>3</sup>Humanities & Visual and Performing Arts credits should be selected from the following: THC 130 (3); THC 231 (3); MUSI 131 (3); MUSI 239 (3); ART 131 (3), or ART 135 (3).

<sup>4</sup>General Ed Elective must be a non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT  
WITH ENTREPRENEURSHIP CONCENTRATION  
FOUR-YEAR DEGREE PLAN – TOTAL CREDIT HOURS: 120**

FIRST YEAR	FIRST SEMESTER		SECOND SEMESTER	
	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 135 Math for Business & Economics	3
	MATH 133 College Algebra	3	MIS 204 Fundamentals of Information Systems	3
	SC 135 Business & Professional Comm.	3	BADM 234 Legal & Regulatory Envir of Bus	3
	Humanities & Visual/Perform. Arts	3	Natural Science	4
	FS 102 Freshman Seminar	1		
		<b>16 hrs.</b>		<b>16 hrs.</b>

SECOND YEAR	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 230 Advanced Communication Skills	3	ENG 2xx Literature	3
	Natural Science	4	ECON 231 Principles of Economics I	3
	<b>16 hrs.</b>		<b>15 hrs.</b>	

THIRD YEAR	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	ENTR 330 New Venture Marketing	3
	MGMT 300 Principles of Management	3	MGSC 302 Operations Management I	3
	MGSC 239 Business Statistics I	3	MGMT 330 Organizational Behavior	3
	FIN 301 Basic Financial Management	3	MGSC 304 Information Technology	3
	ENTR 300 Introduction to Entrepreneurship	3	General Ed Elective	3
	<b>15 hrs.</b>		<b>15 hrs.</b>	

FOURTH YEAR	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MGMT 301 Personnel and Manpower Dev	3	BADM 450 Organizational Policy & Strategy	3
	MKTG 306 Principles of Marketing	3	ENTR 420 Seminar in Entrepreneurship	3
	ENTR 335 Financial Foundations for New Ventures	3	MGMT 401 Leadership and Motivation	3
	Management Elective	3	General Ed Elective	3
	General Ed Elective	3		
	<b>15 hrs.</b>		<b>12 hrs.</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT  
WITH HUMAN RESOURCE MANAGEMENT CONCENTRATION  
TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM (STANDARD)</b>	<b>MAJOR (MANAGEMENT)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>57 credits</b>	<b>19 credits</b>
ENG 131 (3) <sup>1</sup>	<b>School of Business</b>	ECON 232 (3)
ENG 132 (3)	<b>Core (30)</b>	MATH 135 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MGSC 239 (3)
MATH 133 (3)	ACCT 232 (3)	FS 102 (1)
Natural Science (8) <sup>2</sup>	BADM 101 (3)	General Ed Elective (9) <sup>4</sup>
ENG 2xx Literature (3)	BADM 230 (3)	
Humanities & Visual/Perform. Arts (3) <sup>3</sup>	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
ECON 231 (3)	BADM 450 (3)	
MIS 204 (3)	<b>Human Resource Management</b>	
	<b>Concentration Requirements (21)</b>	
	MGMT 330 (3)	
	MGMT 301 (3)	
	MGMT 407 (3)	
	MGMT 408 (3)	
	MGMT 409 (3)	
	MGSC 304 (3)	
	MGSC 331 (3)	
	<b>Business Electives (6 hours from the following):</b>	
	MGMT 395 (3)	
	ENTR 300 (3)	
	MGMT 401 (3)	
	MGMT 402 (3)	
	MGSC 303 (3)	

<sup>1</sup>(N) represents the number of course credits.

<sup>2</sup>Natural Science credits should be selected from the following: BIOL 143 (4) or CHEM 111, 131 (4) plus ONE of the following: CHEM 112, 132 (4); GEOL 141 (4); PHYS 101 (4); PHYS 213,237 (4); PHYS 214, 238 (4); BIOL 135 (4) BIOL (136); or BIOL 246 (4).

<sup>3</sup>Humanities & Visual and Performing Arts credits should be selected from the following: THC 130 (3); THC 231 (3); MUSI 131 (3); MUSI 239 (3); ART 131 (3), or ART 135 (3).

<sup>4</sup>General Ed Elective must be a non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT  
WITH HUMAN RESOURCE MANAGEMENT CONCENTRATION  
FOUR-YEAR DEGREE PLAN – TOTAL CREDIT HOURS: 120**

FIRST YEAR	FIRST SEMESTER		SECOND SEMESTER	
	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 135 Math for Business & Economics	3
	MATH 133 College Algebra	3	MIS 204 Fundamentals of Information Systems	3
	SC 135 Business & Professional Comm.	3	BADM 234 Legal & Regulatory Envir of Bus	3
	Humanities & Visual/Perform. Arts	3	Natural Science	4
	FS 102 Freshman Seminar	1		
		<b>16 hrs.</b>		<b>16 hrs.</b>

SECOND YEAR	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 230 Advanced Communication Skills	3	ENG 2xx Literature	3
	Natural Science	4	ECON 231 Principles of Economics I	3
	<b>16 hrs.</b>		<b>15 hrs.</b>	

THIRD YEAR	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	MGMT 330 Organizational Behavior	3
	MGMT 300 Principles of Management	3	MGMT 301 Personnel and Manpower Dev	3
	MGSC 239 Business Statistics I	3	MGSC 331 Business Statistics II	3
	MKTG 306 Principles of Marketing	3	MGMT 407 The Legal Envir of Human Resource Mgt	3
	FIN 301 Basic Financial Management	3	General Ed Elective	3
	<b>15 hrs.</b>		<b>15 hrs.</b>	

FOURTH YEAR	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MGMT 408 Managing the Global Workforce	3	BADM 450 Organizational Policy & Strategy	3
	MGSC 302 Operations Management I	3	MGMT 409 Human Resources Information Systems	3
	MGSC 304 Information Technology	3	Business Elective	3
	Business Elective	3	General Ed Elective	3
	General Ed Elective	3		
	<b>15 hrs.</b>		<b>12 hrs.</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE  
IN MANAGEMENT INFORMATION SYSTEMS  
TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM (STANDARD)</b>	<b>MAJOR (MIS)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>57 credits</b>	<b>19 credits</b>
ENG 131 (3) <sup>1</sup>	<b>School of Business</b>	ECON 232 (3)
ENG 132 (3)	<b>Core (30)</b>	MATH 135 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MGSC 239 (3)
MATH 133 (3)	ACCT 232 (3)	FS 102 (1)
Natural Science (8) <sup>2</sup>	BADM 101 (3)	General Ed Elective (9) <sup>4</sup>
ENG 2xx Literature (3)	BADM 230 (3)	
Humanities & Visual/Perform. Arts (3) <sup>3</sup>	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
ECON 231 (3)	BADM 450 (3)	
MIS 204 (3)	<b>Other Major Requirements (24)</b>	
	MGSC 304 (3)	
	MIS 310 (3)	
	MIS 320 (3)	
	MIS 340 (3)	
	MIS 410 (3)	
	MIS 420 (3)	
	MIS 460(3)	
	MIS 470 (3)	
	<b>MIS Electives (3 hours from the following):</b>	
	MIS 350 (3)	
	MGSC 440 (3)	
	MIS 450 (3)	
	MIS 480 (3)	
	MIS 490 (3)	

<sup>1</sup>(N) represents the number of course credits.

<sup>2</sup>Natural Science credits should be selected from the following: BIOL 143 (4) or CHEM 111, 131 (4) plus ONE of the following: CHEM 112, 132 (4); GEOL 141 (4); PHYS 101 (4); PHYS 213,237 (4); PHYS 214, 238 (4); BIOL 135 (4) BIOL (136); or BIOL 246 (4).

<sup>3</sup>Humanities & Visual and Performing Arts credits should be selected from the following: THC 130 (3); THC 231 (3); MUSI 131 (3); MUSI 239 (3); ART 131 (3), or ART 135 (3).

<sup>4</sup>General Ed Elective must be a non-business course.



**BACHELOR OF BUSINESS ADMINISTRATION DEGREE  
IN MANAGEMENT INFORMATION SYSTEMS  
FOUR-YEAR DEGREE PLAN – TOTAL CREDIT HOURS: 120**

FIRST YEAR	FIRST SEMESTER		SECOND SEMESTER	
	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 135 Math for Business & Economics	3
	MATH 133 College Algebra	3	MIS 204 Fundamentals of Information Systems	3
	SC 135 Business & Professional Comm.	3	BADM 234 Legal & Regulatory Envir of Bus	3
	Humanities & Visual/Perform. Arts	3	Natural Science	4
	FS 102 Freshman Seminar	1		
		<b>16 hrs.</b>		<b>16 hrs.</b>

SECOND YEAR	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 230 Advanced Communication Skills	3	ENG 2xx Literature	3
	Natural Science	4	ECON 231 Principles of Economics I	3
	<b>16 hrs.</b>		<b>15 hrs.</b>	

THIRD YEAR	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	MGMT 300 Principles of Management	3
	MIS 310 Programming Concepts	3	MIS 340 Database Design & Development	3
	MIS 320 Hardware & Networking	3	MIS 420 Web Development	3
	MGSC 239 Business Statistics I	3	MGSC 302 Operations Management I	3
	MGSC 304 Information Technology	3	General Ed Elective	3
	<b>15 hrs.</b>		<b>15 hrs.</b>	

FOURTH YEAR	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MIS 410 Systems Analysis & Design	3	BADM 450 Organizational Policy & Strategy	3
	MIS Elective	3	MIS 460 Enterprise Resource Planning	3
	MKTG 306 Principles of Marketing	3	MIS 470 MIS Capstone	3
	FIN 301 Basic Financial Management	3	General Ed Elective	3
	General Ed Elective	3		
	<b>15 hrs.</b>		<b>12 hrs.</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE  
IN MARKETING  
TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM (STANDARD)</b>	<b>MAJOR (MARKETING)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>57 credits</b>	<b>19 credits</b>
ENG 131 (3) <sup>1</sup>	<b>School of Business</b>	ECON 232 (3)
ENG 132 (3)	<b>Core (30)</b>	MATH 135 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MGSC 239 (3)
MATH 133 (3)	ACCT 232 (3)	FS 102 (1)
Natural Science (8) <sup>2</sup>	BADM 101 (3)	General Ed Elective (9) <sup>4</sup>
ENG 2xx Literature (3)	BADM 230 (3)	
Humanities & Visual/Perform. Arts (3) <sup>3</sup>	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
ECON 231 (3)	BADM 450 (3)	
MIS 204 (3)	<b>Other Major</b>	
	<b>Requirements (27)</b>	
	MKTG 307 (3)	
	MKTG 336 (3)	
	MKTG 430 (3)	
	MKTG 431 (3) or ENTR 330 (3)	
	MKTG 432 (3)	
	MKTG 435 (3)	
	BADM 466 (3)	
	MGSC 304 (3)	
	MGSC 331 (3)	

<sup>1</sup>(N) represents the number of course credits.

<sup>2</sup>Natural Science credits should be selected from the following: BIOL 143 (4) or CHEM 111, 131 (4) plus ONE of the following: CHEM 112, 132 (4); GEOL 141 (4); PHYS 101 (4); PHYS 213,237 (4); PHYS 214, 238 (4); BIOL 135 (4) BIOL (136); or BIOL 246 (4).

<sup>3</sup>Humanities & Visual and Performing Arts credits should be selected from the following: THC 130 (3); THC 231 (3); MUSI 131 (3); MUSI 239 (3); ART 131 (3), or ART 135 (3).

<sup>4</sup>General Ed Elective must be a non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE  
IN MARKETING  
FOUR-YEAR DEGREE PLAN – TOTAL CREDIT HOURS: 120**

FIRST YEAR	FIRST SEMESTER		SECOND SEMESTER	
	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 135 Math for Business & Economics	3
	MATH 133 College Algebra	3	MIS 204 Fundamentals of Information Systems	3
	SC 135 Business & Professional Comm.	3	BADM 234 Legal & Regulatory Envir of Bus	3
	Humanities & Visual/Perform. Arts	3	Natural Science	4
	FS 102 Freshman Seminar	1		
		<b>16 hrs.</b>		<b>16 hrs.</b>

SECOND YEAR	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 230 Advanced Communication Skills	3	ENG 2xx Literature	3
	Natural Science	4	ECON 231 Principles of Economics I	3
	<b>16 hrs.</b>		<b>15 hrs.</b>	

THIRD YEAR	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	MKTG 307 Marketing Channels and Institutions	3
	MKTG 306 Principles of Marketing	3	MKTG 336 Marketing Communications	3
	MGSC 239 Business Statistics I	3	MGSC 331 Business Statistics II	3
	MGSC 304 Information Technology	3	MGSC 302 Operations Management I	3
	FIN 301 Basic Financial Management	3	General Ed Elective	3
	<b>15 hrs.</b>		<b>15 hrs.</b>	

FOURTH YEAR	SEVENTH SEMESTER		EIGHTH SEMESTER	
	BADM 466 Business Internship	3	BADM 450 Organizational Policy & Strategy	3
	MKTG 430 Marketing Decision Making: Theory and Practice	3	MKTG 432 International Marketing	3
	MKTG 431 Entrepreneurial Marketing; or, ENTR 330 New Venture Marketing	3	MKTG 435 Strategic Marketing Management	3
	MGMT 300 Principles of Management	3	General Ed Elective	3
	General Ed Elective	3		
	<b>15 hrs.</b>		<b>12 hrs.</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING  
WITH ENTREPRENEURSHIP CONCENTRATION  
TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM (STANDARD)</b>	<b>MAJOR (MARKETING)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>57 credits</b>	<b>19 credits</b>
ENG 131 (3) <sup>1</sup>	<b>School of Business</b>	ECON 232 (3)
ENG 132 (3)	<b>Core (30)</b>	MATH 135 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MGSC 239 (3)
MATH 133 (3)	ACCT 232 (3)	FS 102 (1)
Natural Science (8) <sup>2</sup>	BADM 101 (3)	General Ed Elective (9) <sup>4</sup>
ENG 2xx Literature (3)	BADM 230 (3)	
Humanities & Visual/Perform. Arts (3) <sup>3</sup>	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
ECON 231 (3)	BADM 450 (3)	
MIS 204 (3)	<b>Marketing Major</b>	
	<b>Requirements (12)</b>	
	MKTG 307 (3)	
	MKTG 336 (3)	
	MKTG 430 (3)	
	MKTG 435 (3)	
	<b>Entrepreneurship Concentration</b>	
	<b>Requirements (12)</b>	
	ENTR 300 (3)	
	ENTR 330 (3)	
	ENTR 335 (3)	
	ENTR 420 (3)	
	<b>Business Electives (3 hours from the following):</b>	
	MGSC 304 (3)	
	MGSC 331 (3)	
	MKTG 432 (3)	
	BADM 466 (3)	

<sup>1</sup>(N) represents the number of course credits.

<sup>2</sup>Natural Science credits should be selected from the following: BIOL 143 (4) or CHEM 111, 131 (4) plus ONE of the following: CHEM 112, 132 (4); GEOL 141 (4); PHYS 101 (4); PHYS 213,237 (4); PHYS 214, 238 (4); BIOL 135 (4) BIOL (136); or BIOL 246 (4).

<sup>3</sup>Humanities & Visual and Performing Arts credits should be selected from the following: THC 130 (3); THC 231 (3); MUSI 131 (3); MUSI 239 (3); ART 131 (3), or ART 135 (3).

<sup>4</sup>General Ed Elective must be a non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING  
WITH ENTREPRENEURSHIP CONCENTRATION  
FOUR-YEAR DEGREE PLAN – TOTAL CREDIT HOURS: 120**

FIRST YEAR	FIRST SEMESTER		SECOND SEMESTER	
	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 135 Math for Business & Economics	3
	MATH 133 College Algebra	3	MIS 204 Fundamentals of Information Systems	3
	SC 135 Business & Professional Comm.	3	BADM 234 Legal & Regulatory Envir of Bus	3
	Humanities & Visual/Perform. Arts	3	Natural Science	4
	FS 102 Freshman Seminar	1		
		<b>16 hrs.</b>		<b>16 hrs.</b>

SECOND YEAR	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 230 Advanced Communication Skills	3	ENG 2xx Literature	3
	Natural Science	4	ECON 231 Principles of Economics I	3
	<b>16 hrs.</b>		<b>15 hrs.</b>	

THIRD YEAR	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	MKTG 307 Marketing Channels and Institutions	3
	MKTG 306 Principles of Marketing	3	MKTG 336 Marketing Communications	3
	MGSC 239 Business Statistics I	3	MGSC 302 Operations Management I	3
	ENTR 300 Introduction to Entrepreneurship	3	ENTR 330 New Venture Marketing	3
	FIN 301 Basic Financial Management	3	General Ed Elective	3
	<b>15 hrs.</b>		<b>15 hrs.</b>	

FOURTH YEAR	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MGMT 300 Principles of Management	3	BADM 450 Organizational Policy & Strategy	3
	MKTG 430 Marketing Decision Making: Theory and Practice	3	ENTR 420 Seminar in Entrepreneurship	3
	ENTR 335 Financial Foundations for New Ventures	3	MKTG 435 Strategic Marketing Management	3
	Business Elective	3	General Ed Elective	3
	General Ed Elective	3		
	<b>15 hrs.</b>		<b>12 hrs.</b>	

<b>BUSINESS ADMINISTRATION MINOR FOR NON-BUSINESS MAJORS TOTAL CREDITS REQUIRED: 27</b>
<b>27 credits</b>
ECON 231 (3)
ECON 232 (3)
ACCT 231 (3)
ACCT 232 (3)
BADM 234 (3)
FIN 301 (3)
MGMT 300 (3)
MKTG 306 (3)
Business Elective (3)*

\*300- or 400-level business course

<b>ENTREPRENEURSHIP MINOR FOR NON-BUSINESS MAJORS TOTAL CREDITS REQUIRED: 27</b>
<b>27 credits</b>
ECON 231 (3)
ENTR 300 (3)
ACCT 231 (3)
ACCT 232 (3)
BADM 234 (3)
ENTR 330 (3)
ENTR 335 (3)
FIN 301 (3)
ENTR 420 (3)



## THE SCHOOL OF COMMUNICATION

The School of Communication offers courses in four (4) degree programs: B.A. in Speech Communications (SC), B.A. in Entertainment and the Recording Industry (ERM), B.A. in Journalism (JOUR), B.A. in Telecommunications (TC). Also, minors in speech communications, journalism, telecommunications are offered for students in disciplines where the declaration of a minor is required.

**Students who are first-time degree seekers are required to declare a minor in a second academic discipline and are cautioned that grades less than “C”, including “C-”, are unacceptable in courses designated as major or minor courses in the pursuit of the degree.**

Entertainment and the Recording Industry is an interdisciplinary major. Course requirements are offered in accounting, communication, mathematics, management, finance, and radio, television, film. Students are also required to select a specialty, requiring 18 credits, in one of the following areas: business communications, computer science, health science, education (sports), music, or public affairs. (SEE ADVISOR)

**In selecting minors for curriculum tracks for either of the undergraduate degrees offered, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum or other requirements for the degree selected could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed.**

The primary mission of the School of Communication is to prepare students majoring and minoring in departmental curricular offerings for entry into the workforce and for graduate study. A secondary mission is to ensure that all students matriculating through the university have an understanding of the impact of communication skills upon all aspects of society.

Requirements for the B.A. degrees are summarized below with exact requirements and semester credit hours needed for graduation dependent upon the track selected for the respective degree. Students pursuing either of the B.A. degrees must first be admitted to the department before attempting to meet degree requirements. Regardless of the degree and associated track selected by students, emphasis in the overall curriculum is placed on the development of high communication skills. **Students accepted to major status in the school are required to pass an exit examination during the calendar year of their expected graduation. Students failing this examination will not graduate and must wait until the next regularly scheduled examination to retake it.**

**For a minor in Speech Communications, twenty-two (22) semester credit hours are required** through enrollment in the following courses: SC 110 (1 credit), SC 136 (3 credits), SC 230 (3 credits), SC 232 (3 credits), SC 330 (3 credits), SC 332 (3 credits), and six (6) additional SC credits of choice, three (3) of which must be at the 300-level or 400-level.

**For a minor in Journalism, twenty-three (23) semester credit hours are required** through enrollment in the following courses: JOUR 130 (3 credits), JOUR 132 (4 credits), JOUR 238 (4 credits), JOUR 253 (3 credits), and nine (9) additional JOUR credits of choice, all of which must be at the 300-level or 400-level.

**For a minor in Telecommunications, twenty-one (21) semester credit hours are required** through enrollment in the following courses: RTF 230 (3 credits), RTF 231 (4 credits), RTF 331 (3 credits), RTF 344 (3 credits), RTF 365 or RTF 368 (4 credits each), and RTF 375 or RTF 378 (4 credits each).

Students wishing to pursue either a major or minor offered through the department must petition for admission by completing and returning the appropriate form for such through the department office. Students petitioning for either status must have an overall GPA of 2.50 or better; must have completed the following courses with grades of “C” or better (grades of “C-“ are unacceptable): ENG 131, ENG 132, and CM 130; and must also have completed the introductory course(s) for the chosen degree and track with grades of “C” or better (grades of “C-“ are unacceptable): both JOUR 130 and JOUR 132, or only JOUR 132 for the journalism degree in the advertising and public relations specialty, or SC 136, or both RTF 230 and RTF 231. The overall GPA minimum must also be maintained after admission. In addition, students are responsible for verifying their compliance with ASSET and or equivalent requirements and their eradication of any academic deficiencies previously identified by the University at the time they request admission to the Department. Upon admission, each student is assigned an official advisor and is expected to keep the department office informed of address and telephone number changes up to the time of graduation.



**In summary, an interested student must first gain admission to the university; must meet his or her ASSET and or equivalent responsibility; must eradicate identified academic deficiencies; and must petition for admission as either a major or minor to the School of Communication. Once admitted, each student is provided with extensive advisement before further progression toward the completion of degree requirements is undertaken. Questions may be directed to the School of Communication Student Services Center at (713) 313-7670. The School of Communication Student Services Center is located in 216 MLK Building. The Dean's Office is located in 222 MLK Building.**

**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Berryhill, Michael</b>  <b>Associate Professor</b>  A.B., Kenyon College  M.A., Ph.D., University of Minnesota</p>	<p><b>Poudeh, Reza J.</b>  <b>Professor</b>  B.S., Esfahan University  M.S., Ed. D., Boston University</p>
<p><b>Brown-Burton, Rockell</b>  <b>Assistant Professor</b>  B.A., Xavier University  M.A., Howard University  Ph.D., Wayne State University</p>	<p><b>Randle, Ladonia</b>  <b>Instructor</b>  B.A., Huston-Tillotson College  M.A., Texas Southern University</p>
<p><b>Campbell, Kimberly</b>  <b>Assistant Professor</b>  B.A., Florida State University, Tallahassee  M.A., California State University, Fullerton  Ph.D., Howard University</p>	<p><b>Sandifer-Walker, Serbino</b>  <b>Assistant Professor</b>  B.A., Texas Southern University  M.S., Columbia University</p>
<p><b>Dixon, Tyrone</b>  <b>Instructor</b>  B.A., Texas Southern University  M.A., American Film Institute</p>	<p><b>Thomas, Dominic M.</b>  <b>Instructor</b>  B.A., Southern University  M.A., Southern University</p>
<p><b>Egbunike, Joy</b>  <b>Assistant Professor</b>  B.A., Southeastern University  M.P.A., Southeastern University  Ph.D., Howard University</p>	<p><b>Thompson, Gloria</b>  <b>Instructor</b>  B.A., M.A., Tennessee A&amp;I University</p>
<p><b>Hasan, Jaballa M.</b>  <b>Assistant Professor</b>  B.A., University of Benghazi  M.A., Ohio University  M.A., Ohio University  Ph.D., Ohio State University</p>	<p><b>Ulasi, Christian</b>  <b>Associate Professor</b>  B.S., M.A., Texas Southern University  Ph.D., The University of Texas at Austin</p>
<p><b>Khosrovani, Masoomeh</b>  <b>Associate Professor</b>  B.A., University of Tehran, Iran  M.A., University of Iran  M.A., University of Detroit  Ph.D., Wayne State University</p>	<p><b>Walker-Hawkins, Vera</b>  <b>Associate Professor</b>  B.A., Tufts University  M.A., Ohio University  Ph.D., The University of Texas at Austin</p>
<p><b>Lee, Eui Bun</b>  <b>Professor</b>  B.A., Ewha Women's University  M.A., University of Minnesota  Ph.D. The University of Texas at Austin</p>	<p><b>Ward, James. W.</b>  <b>Associate Professor</b>  B.A., Texas Southern University  M.A., Texas Tech University  Ph.D., Wayne State University</p>

## COMMUNICATION CORE COURSES

- CM 130**                    **Introduction to Communication Theory**                    (3)  
Basic concepts and principles operative in the communication process; application of these principles to the acquisition of communication skills. Three hours of lecture per week.
- CM 200**                    **Intermediate Writing**                    (3)  
In-depth experience in written composition, emphasizing composition as a communication skill; analysis of student proficiency in the basic communication skills as they relate to professions in communication. Three hours of lecture per week. Prerequisites: ENG 131 and ENG 132.
- CM 332**                    **Computers in Communication**                    (3)  
The role of computer technology in media production and the impact on the communication process discussed. Three hours of lecture per week. Prerequisite: CS 116.
- CM 430**                    **Internship**                    (3)  
The integration of process and content acquisition through application and practice in real-life situations; structured part-time or full-time internships. Three hours of lecture per week. Prerequisites: Junior or senior standing and a minimum of 12 semester credit hours earned in a field of concentration in the Department. May be repeated for up to 6 credits.

## SPEECH COMMUNICATIONS COURSES

- SC 110**                    **Multipurpose Laboratory**                    (1)  
Improvement of various communications skills such as verbal and nonverbal messages, listening, diction, enunciation, pronunciation, and articulation. May be repeated for a maximum of four credits. Two hours of laboratory per week.
- SC 131**                    **Fundamentals of Speech Communications**                    (3)  
Emphasis on basic oral communication skills: voice production, articulation, and diction; listening and responding to verbal and nonverbal cues. Three hours of lecture per week. **Listed as SPCH 1311 in the Texas Common Course Numbering System.**
- SC 133**                    **American English Phonetics**                    (3)  
Articulatory and acoustic description of American speech sounds by means of the International Phonetic Alphabet; phonetic transcription. Three hours of lecture per week.
- SC 135**                    **Business and Professional Communication**                    (3)  
Introduction to the basic oral communication skills needed for careers in business and the professions. Students make presentations, conduct interviews, and participate in problem-solving group discussions. Three hours of lecture per week. **Listed as SPCH 1321 in the Texas Common Course Numbering System.**
- SC 136**                    **Public Address**                    (3)  
Principles of effective speaking and their application to the preparation, delivery, and evaluation of the basic forms of public messages; stresses public issues, their relevancy and effect. Three hours of lecture per week. **Listed as SPCH 1315 in the Texas Common Course Numbering System.**
- SC 140**                    **Voice and Diction**                    (3)  
Development of an effective speaking voice through the achievement of proper relaxation, breathing, and vocal resonance. Three hours of lecture per week. **Listed as SPCH 1342 in the Texas Common Course Numbering System.**
- SC 230**                    **Urban Rhetorical Patterns**                    (3)  
Study of linguistic and rhetorical patterns of major ethnic and socioeconomic groups in urban areas. Three hours of lecture per week.

- SC 232**                    **Interpersonal Communication**                    (3)  
Study of the interpersonal communication as a dynamic process utilizing verbal and nonverbal cues as the basis of meaningful human interaction. Three hours of lecture per week. **Listed as SPCH 1318 in the Texas Common Course Numbering System.**
- SC 233**                    **Communication Skills for Health Professionals**                    (3)  
Practice in the development of interpersonal skills in relating to the health professional; practice in the development of the skills of group and public communication. Three hours of lecture per week.
- SC 236**                    **Argumentation and Debate**                    (3)  
Exploration of principles of argumentation, training, and participation in various types of argumentative speeches and debate. Special inclusion of parliamentary procedures. Three hours of lecture per week. **Listed as SPCH 2325 in the Texas Common Course Numbering System.**
- SC 330**                    **Persuasion**                    (3)  
Intensive examination of principles and techniques of persuasion and of the critical role of the consumer of persuasive messages. Three hours of lecture per week.
- SC 332**                    **Group Communication Processes**                    (3)  
Role of communication theory in the making of individual and collective decisions; application of communication theory to principles of leadership in small group decision making. Three hours of lecture per week.
- SC 333**                    **Interviewing**                    (3)  
Strategies and techniques of interviewing as purposive dyadic interaction for interviewer and interviewee. Includes the study of and practice with various types of interviews. Three hours of lecture per week.
- SC 335**                    **Rhetorical History and Criticism**                    (3)  
Study of the history of rhetoric and rhetorical criticism: classical, medieval, and contemporary. Three hours of lecture per week. **Offered as needed.**
- SC 336**                    **Professional Writing**                    (3)  
Analysis of selected speech material for such communication objectives as form, style, and content. Practice in writing speeches, technical reports, research reports; and preparation of messages for organizations. Three hours of lecture per week.
- SC 338**                    **Introduction to Organizational Communication**                    (3)  
Basic principles and perspectives of organizational communication; communication networks and structures; decision making; conflict resolution with organizations; impact of styles of communication on organizational relations. Three hours of lecture per week.
- SC 430**                    **Independent Study**                    (3)  
Independent study in interpersonal/intercultural communication, organizational communication, or rhetorical theory and criticism. Three hours of lecture per week.
- SC 431**                    **Nonverbal Communication**                    (3)  
The analysis of nonverbal aspects of human communication with special consideration of physical and spatial styles and cues. Three hours of lecture per week.
- SC 432**                    **Intercultural Communication**                    (3)  
Importance of cultural and ethnic differences as they affect our communication processes in various aspects of personal relations. Three hours of lecture per week.
- SC 433**                    **Health Communication**                    (3)  
Current issues in delivery of health care, practitioner/patient relationships, the role of private and government agencies in health care, dissemination of health care information. Three hours of lecture per week. **Offered as needed.**

- SC 434**                      **Principles of Leadership**                      **(3)**  
 Study of the phenomenon of leadership, leadership styles, and leadership techniques, including parliamentary procedures and other strategies of control and influence. Three hours of lecture per week.
- SC 435**                      **Advanced Public Address**                      **(3)**  
 Study, criticism, and application of the principles and forms of public communication such as oratory, lectures, sermons, argumentation, and debate in a variety of public forums. Three hours of lecture per week. **Offered as needed.**
- SC 436**                      **Black Rhetoric**                      **(3)**  
 Analysis of rhetorical strategies used by Black Americans to influence agitation and control public policy; emphasis on social, economic, and political developments in twentieth century rhetoric. Three hours of lecture per week.
- SC 438**                      **Organizational Structure and Communication Behavior**                      **(3)**  
 Analysis of the interdependence of organizational goals and communication behavior from the standpoint of those who must recognize, understand, or design communication systems. Three hours of lecture per week.
- SC 450**                      **Problems in Speech Communications**                      **(3)**  
 Problems of current concern in Speech Communications; topics vary according to time and instructor. May be repeated as topics change. Three hours of lecture per week. **Offered as needed.**
- SC 462**                      **Language Acquisition and Development**                      **(3)**  
 How verbal and nonverbal language develops in children; how they learn the selection of appropriate communication strategies and satisfactory relationships. Three hours of lecture per week.

#### **ENTERTAINMENT AND THE RECORDING INDUSTRY COURSES**

- ERM 300**                      **The Recording Industry**                      **(3)**  
 Examines the development, current policies and issues, organizational structure, function and economics, domestic and global institutions of the recording industry.
- ERM 305**                      **Black Entertainment, Music and Sports**                      **(3)**  
 Examines the development and role of African entertainment in the new world, contributions in the Americas and globally from minstrels, to sports, Caribbean carnivals, film and modern entertainment.
- ERM 310**                      **Publishing and Media Policy**                      **(3)**  
 Examines legal foundations to intellectual property rights, copyright, current policies, industry structure, processes, corporations, administrative associations, marketplaces and new issues. Prerequisite: ERM 300.
- ERM 450**                      **Entertainment Management**                      **(3)**  
 The course explores in-depth legal and ethical areas of entertainment management including individual artists, venues, sports, music and related organizations; topics may vary. Prerequisite: ERM 310.

## JOURNALISM COURSES

- JOUR 130 Introduction to Journalism (3)**  
Survey of history, theory, aesthetics, and economics of print media; special emphasis is placed on the development of electronic news operation. Three hours of lecture per week. Prerequisite: Concurrently with ENG 131 or ENG 132.
- JOUR 132 Introduction to Reporting (4)**  
Introduction to fact gathering news and writing basic and advanced news stories considered. Students must be able to type at least 30 words per minute. Four hours of lecture per week. Prerequisite: Having passed ENG 131 & ENG 132. May take concurrently with ENG 132.
- JOUR 133 Broadcast News I / Introduction to Broadcast News (4)**  
Introduction to reporting and writing news for the broadcast media. Four hours of lecture per week.
- JOUR 232 Introduction to Advertising (3)**  
Introduction to basic principles of advertising theory and practice. Broad picture of advertising as marketing communications and social information. Three hours of lecture per week.
- JOUR 234 Introduction to Public Relations (3)**  
Introduction to the principles and practices of public relations in business, education, social welfare, government, and the armed forces. Three hours of lecture per week. Prerequisite: CM 130, CM 200, CS 116, JOUR 130, JOUR 132. May take concurrently with CM 332.
- JOUR 235 Online Journalism I (3)**  
Hands-on introduction to journalistic writing for online publications and broadcasts using state-of-the-art software. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CS 116, JOUR 130, JOUR 132. May take concurrently with CM 332.
- JOUR 238 Intermediate Reporting (4)**  
Development of reporting and writing skills for the print media. Four hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, CS 116, JOUR 130, JOUR 132. May take concurrently with CM 332.
- JOUR 242 Intermediate Broadcast News (4)**  
Refining skills in gathering, evaluating, and writing news for the broadcast media. Four hours of lecture per week. Prerequisites: JOUR 132 and JOUR 133.
- JOUR 251 The Black Press (3)**  
Survey of the Black press, including a survey of Black journalists, past and present, along with the status of today's Black press. Three hours of lecture per week. Prerequisites: CM 130, CM 200, JOUR 130, JOUR 132. May take concurrently with CM 200.
- JOUR 253 News Editing I (3)**  
Development of clear, effective editing, rewriting, headline writing, page make-up, and reporting management for the print media. Three hours of lecture per week.
- JOUR 331 Law and Ethics of Journalism (3)**  
Evolution of print and broadcast media in the United States in the context of political, social, and economic change; privileges and responsibilities of a journalist are stressed. Three hours of lecture per week. Prerequisites: CM 130, CM 200, JOUR 130, JOUR 132. May take concurrently with CM 200.
- JOUR 332 Advanced Reporting (4)**  
Advanced training and practice in the gathering and writing of news stories with emphasis placed on enterprise ability and publishable quality stories. Four hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, CS 116, JOUR 130, JOUR 132, JOUR 238. May take concurrently with CM 332.

- JOUR 333 Newspaper Design (3)**  
Introduction to basic camera-ready production techniques for tabloid and standard newspaper designs. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, CS 116, JOUR 130, JOUR 132, JOUR 253.
- JOUR 335 Intermediate Desktop Publishing / Computer Assisted Reporting (3)**  
Advanced training in the use of various database software products for contemporary reporting. Three hours of lecture per week.
- JOUR 356 Advertising and PR Campaigns (3)**  
Emphasis on group coordination of advertising and public information campaigns; development of strategies for local and national campaigns, including marketing media planning, research, and segmentation. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, JOUR 130, JOUR 132.
- JOUR 359 Computer Skills for Journalists (4)**  
Fundamental principles and techniques of newsroom computer usage; hands-on experience using various computer software. Four hours of lecture per week.
- JOUR 362 Critical Writing (3)**  
Writing course for students who wish to specialize in writing reviews of motion pictures, plays, concerts, art, and books for print and electronic media. Three hours of lecture per week. **Offered as needed.**
- JOUR 430 Independent Study (3)**  
Independent study in history, ethics, practice, law, and aesthetics of journalism. Prerequisite: Junior/Senior standing and consent of the instructor or faculty chair.
- JOUR 431 Community News Operations (3)**  
Planning and preparation of news, features, and editorials for the rural and urban community newspaper; emphasis on weekly publications; practical problems in community issues. Three hours of lecture per week.
- JOUR 432 Editorial Writing (3)**  
Training in editorial research and writing for print media. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, JOUR 130, JOUR 132, JOUR 234, JOUR 238, JOUR 253 or JOUR 332.
- JOUR 433 Public Affairs Reporting (3)**  
Advanced training and practice in reporting the affairs of municipal, county, state, and federal agencies. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, JOUR 130, JOUR 132, JOUR 234, JOUR 238, and JOUR 332.
- JOUR 435 Advanced Desktop Publishing / Multimedia Graphic Designs (3)**  
Hands-on approach to designing publications using contemporary software and online graphic techniques. Emphasis placed on the use of up-to-date contemporary software products. Three hours of lecture per week.
- JOUR 437 Feature Writing (3)**  
Researching and writing feature stories such as human interest stories and personal columns presented. Three hours of lecture per week.
- JOUR 438 Online Journalism II (3)**  
Advanced training for online publications and broadcast using state-of-the-art software. Three hours of lecture per week.

- JOUR 443**                      **Advanced Broadcast News**                      (4)  
Advanced training and practice in broadcast news production; emphasis on production of audition tape and portfolio-quality material. Four hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, JOUR 130, JOUR 132, JOUR 238, and JOUR 242.
- JOUR 450**                      **Problems in Journalism**                      (3)  
Problems of current concern in journalism; topics may vary according to time and instructor. May be repeated as topics change. Three hours of lecture per week. Prerequisites: Junior/senior standing and consent of the faculty chair.
- JOUR 453**                      **News Editing II**                      (3)  
Advanced training and practice in editing for specialty publications, book publishing, pagination, and other electronic editing techniques. Three hours of lecture per week.
- JOUR 490**                      **Media Management**                      (3)  
Ownership, financing, structure of mass media organizations; management of editorial, program, administrative support, and advertising staffs; servicing and evaluating media audiences. Three hours of lecture per week.
- JOUR 491**                      **Advertising and Public Relations Campaigns / Critical Thinking**                      (3)  
Solutions to problems in advertising/public relations management; theories and research in persuasive campaigns; cases in advertising, public relations, political campaigns, and social change. Three hours of lecture per week.

#### TELECOMMUNICATIONS COURSES

- RTF 230**                      **Introduction to Media Studies**                      (3)  
Survey of history, theory, aesthetics, cultural, political, economic, and international characteristics of mass media in society. Required of all mass communications majors. Three hours of lecture per week.
- RTF 231**                      **Introduction to Media Production**                      (4)  
Basic skills and theories required to equip students to communicate through audiovisual media.  
  
Lectures and practical applications. Four hours of lecture per week with studio hours to be arranged. Required of all students in the production area. Prerequisite: RTF 230 or may take concurrently with RTF 230.
- RTF 331**                      **Media Analysis and Criticism**                      (3)  
Same as JOUR 362. Analysis of critical methods for electronic media and film as a segment of mass culture. Focus on selected television programs and selected critics. Three hours of lecture per week. Prerequisites: RTF 230 and RTF 231.
- RTF 335**                      **Writing for Electronic Media and Film**                      (3)  
Development of skills and practice in the art of script writing for broadcast, film, and multimedia. Writing and evaluation of many short scripts required. Three hours of lecture per week. Prerequisites: RTF 230 and RTF 231.
- RTF 341**                      **Television Graphics**                      (4)  
Theory and practice of graphic design for television and operation of electronic graphic equipment. Three hours of lecture per week with studio hours to be arranged.  
  
Prerequisites: RTF 230 and RTF 231.
- RTF 344**                      **Media Management and Marketing**                      (3)  
Introduction to the basic elements involved in the day-to-day operation of radio and television stations. Three hours of lecture per week. Prerequisites: RTF 230 and RTF 231.



- RTF 347**                    **Multimedia Interaction Design**                    (4)  
Theory and practice of interactive technologies and multimedia production with focus on design and development, including web design. Three hours of lecture per week with studio hours to be arranged. Prerequisites: RTF 230 and RTF231.
- RTF 365**                    **Television Studio Production I**                    (4)  
Introduction to the basic elements of electronic media production. Four hours of lecture per week with studio hours to be arranged. Prerequisites: RTF 230 and RTF 231.
- RTF 368**                    **Field Video Production I**                    (4)  
Introduction to principles and procedures in field production with focus on the competent use of equipment in the field. Four hours of lecture per week with studio hours to be arranged. Prerequisites: RTF 230 and RTF 231.
- RTF 371**                    **Studies in Film History**                    (3)  
Critical assessment of theory and technique of film communication with focus on major genres, periods, movement, and personalities in national and international film history. Three hours of lecture per week with one two-hour film screening each week as required by the topic. Prerequisites: RTF 230, RFT 231, and consent of the instructor.
- RTF 375**                    **Introduction to Media Performance**                    (4)  
Principles and practices of audio production, voice training, and performance for broadcast (news, narration, disc jockey, and multimedia). Four hours of lecture per week with studio hours to be arranged. Prerequisites: RTF 230 and RTF 231.
- RTF 378**                    **Introduction to Radio Operations**                    (4)  
Introduction to fundamentals of radio production and procedures; focus on basic competency in equipment and station operation policies. Four hours of lecture per week with studio hours to be arranged. Prerequisites: RTF 230 and RTF 231.
- RTF 381**                    **Broadcast Responsibilities**                    (3)  
Same as JOUR 331. Examination of the legal, economic, and social responsibilities and requirements that must be satisfied by print, electronic media, and cable operators in the United States. Three hours of lecture per week. Prerequisites: RTF 230, RTF 231 and RTF 344.
- RTF 391**                    **Broadcast Programming**                    (3)  
Examination of the theory and practice of broadcast programming with special consideration of the decision-making process, social applications, current trends, philosophies, and audience research. Three hours of lecture per week. Prerequisites: RTF 230, RTF 231 and RTF 344.
- RTF 430**                    **Independent Study**                    (3)  
Same as JOUR 430. Independent study in the history, economics, production, and management of print and/or electronic media. Prerequisites: RTF 230, RTF 231, RTF 331, RTF 344, upper-level standing and consent of the instructor or Faculty Chair.
- RTF 435**                    **Advanced Writing for Electronic Media and Film**                    (3)  
Advanced work in the development of proposals, treatments, and shooting scripts for electronic media and film. May be repeated as topics vary. Three hours of lecture per week. Prerequisites: RTF 230, RTF 231, RTF 335 and upper-level standing.
- RTF 438**                    **Media and Society**                    (3)  
Critical assessment of media on society with focus on special topics related to media in cultural contexts. May be repeated as topics vary. Three hours of lecture per week with one two-hour film screening each week as required by the topic. Prerequisites: RTF 230, RTF 231 and RTF 331.

- RTF 440**                    **Electronic Media Management**                    **(3)**  
 Study of the ownership, financing, and structure of mass media organizations; management of editorial, program, administrative, support, and advertising staffs; servicing and evaluating media audiences. Three hours of lecture per week. Prerequisites: RTF 230, RTF 231 and RTF 344.
- RTF 450**                    **Issues in Telecommunications**                    **(3)**  
 Same as JOUR 450. Advanced problems in mass communication studies, communication technologies, and international communication with special consideration of current concerns in electronic media production. Topics vary from semester to semester. Three hours of lecture per week. Prerequisite: RTF 230, RTF 231, RTF 344, upper level standing and consent of the instructor.
- RTF 462**                    **New Communications Technologies**                    **(3)**  
 Examination of applications and potential effects of new telecommunications and information technologies in the home and workplace and for education and social services with their relation to existing systems. May be repeated as topics vary. Three hours of lecture per week. Prerequisite: RTF 230, RTF 231, RTF 344, upper level standing and consent of the instructor.
- RTF 465**                    **Television Studio Production II**                    **(4)**  
 Advanced practice in studio and field production of television programs and video. Focus on using single and multi cameras, lighting, sound recording, and editing. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 230, RTF 231, RTF 365, upper-level standing, and consent of the instructor.
- RTF 468**                    **Field Video Production II**                    **(4)**  
 Advanced production techniques in using camera, lighting, sound recording, and editing outside of the studio. Four hours of lecture per week with studio hours to be arranged. Prerequisites: RTF 230, RTF 231, RTF 368, upper-level standing, and consent of the instructor.
- RTF 475**                    **Advanced Media Performance**                    **(4)**  
 Advanced work in the theory, principles, and practices of digital audio production with emphasis on aspects of studio and field digital audio production and voice performance. Topics vary from semester to semester. Four hours of lecture per week with studio hours to be arranged. Prerequisites: RTF 230, RTF 231, RTF 375, upper-level standing, and consent of the instructor.
- RTF 478**                    **Advanced Radio Operations**                    **(4)**  
 Advanced theory and practice of directing, producing, and performing for radio. Four hours of lecture per week with studio hours to be arranged. Prerequisites: RTF 230, RTF 231, RTF 378, upper-level standing, and consent of the instructor.
- RTF 498**                    **International Communication**                    **(3)**  
 Comparative study of domestic and international systems of broadcasting with focus on political, social, cultural, and economic factors affecting the use and impact of new and old communication technologies. Topics vary from semester to semester. Three hours of lecture per week. Prerequisite: RTF 230, RTF 231, RTF 344, upper level standing and consent of the instructor.
- RTF 499**                    **Master Projects in Media Production**                    **(4)**  
 Creative projects or comprehensive research in the area of special interest: radio, television, or multimedia, developed and executed by the student to demonstrate his/her capabilities in quality production. Required of all mass communications majors. Six studio hours per week. Prerequisites: Radio Track: RTF 230, RTF 231, RTF 375, RTF 378, RTF 475, RTF 478, upper level standing and consent of the instructor.  
  
 TV Track: RTF 230, RTF 231, RTF 365, RTF 368, RTF 465, RTF 468, upper level standing and consent of the instructor.

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN SPEECH COMMUNICATIONS  
INTERCULTURAL - INTERPERSONAL TRACK  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (SPEECH COMMUNICATIONS)</b>	<b>OTHER REQUIREMENTS</b>	<b>MINOR REQUIREMENTS</b>
<b>44 credits</b>	<b>43 credits</b>	<b>13 credits</b>	<b>21 credits</b>
ENG 131 (3)**	CM 130 (3)	Electives (12)	Contact
ENG 132 (3)	CM 200 (3)	FS 102 (1)	Department of
SC 135 (3)	CM 332 (3)		choice after
MATH 133 (3)	CM 430 (3)		being
BIOL 143 (4)	SC 110 (1)		admitted as
PHYS 101 (4)	SC 136 (3)		a major in
ENG 2xx (3)	SC 230 (3)		the Department.
MUSI 131 or	SC 232 (3)		
THC 130 (3)	SC 330 (3)		
HIST 231 (3)	SC 332 (3)		
HIST 232 (3)	SC 431 (3)		
POLS 231 (3)	SC 432 (3)		
POLS 232 (3)	SC 433 (3)		
PSY 131 or	SC Electives (6)		
SOC 157 or			
SOC 158 (3)			
CS 116 (3)			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**The School of Communication**  
**Texas Southern University**  
**Bachelor of Arts Degree in Speech Communications**  
**Intercultural-Interpersonal Track**  
**Four Year Plan - Total Semester Hours Required: 121**

First Year	First Semester		Second Semester	
	ENG 131	3	PSY 131	3
	BIOL 143	4	ENG 132	3
	SC 135	3	CS 116	3
	PE 100 Level	1	SC 136 (Public Address)	3
	CM 130 (Introduction to Communication Theory)	3	MATH 133	3
	SC 110 (Multipurpose Laboratory)	1		
	FS 102 Freshman Seminar	1		<b>15</b>
	<b>16</b>			

Second Year	Third Semester		Fourth Semester	
	HIST 231	3	HIST 232	3
	ENG 2XX (Any 200 level course)	3	PHYS 101	4
	CM 200 (Intermediate Writing)	3	SC 232 (Interpersonal Communication)	3
	SC 230 (Urban Rhetorical Patterns)	3	Minor	3
	Elective	3	Elective	2
		<b>15</b>		<b>15</b>

Third Year	Fifth Semester		Sixth Semester	
	POLS 231	3	Minor	3
	Minor	3	Elective	3
	Minor	3	POLS 232	3
	CM 332 (Computers in Communication)	3	SC Elective	3
	SC330 (Persuasion)	3		
	<b>15</b>		<b>15</b>	

Fourth Year	Seventh Semester		Eighth Semester	
	Minor	3	Minor	3
	CM 430 (Internship)	3	Minor	3
	SC 431 (Nonverbal Communication)	3	SC 433 (Health Communication)	3
	SC 432 (Intercultural Communication)	3	SC Elective	3
	Elective	3	THC 130 or MUSI 131	3
	<b>15</b>		<b>15</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN SPEECH COMMUNICATIONS  
ORGANIZATIONAL COMMUNICATION TRACK  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (SPEECH COMMUNICATIONS)</b>	<b>OTHER REQUIREMENTS</b>	<b>MINOR REQUIREMENTS</b>
<b>44 credits</b>	<b>43 credits</b>	<b>13 credits</b>	<b>21 credits</b>
ENG 131 (3)**	CM 130 (3)	Electives (12)	Contact
ENG 132 (3)	CM 200 (3)	FS 102 (1)	Department of
SC 135 (3)	CM 332 (3)		choice after
MATH 133 (3)	CM 430 (3)		being
BIOL 143 (4)	SC 110 (1)		admitted as
PHYS 101 (4)	SC 136 (3)		a major in
ENG 2xx (3)	SC 230 (3)		the Department.
MUSI 131 or	SC 232 (3)		
THC 130 (3)	SC 330 (3)		
HIST 231 (3)	SC 332 (3)		
HIST 232 (3)	SC 333 (3)		
POLS 231 (3)	SC 338 (3)		
POLS 232 (3)	SC 434 (3)		
PSY 131 or	SC 438 (3)		
SOC 157 or	SC Elective (3)		
SOC 158 (3)			
CS 116 (3)			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**The School of Communication  
Texas Southern University  
Bachelor of Arts Degree in Speech Communications  
Organizational Communication Track  
Four Year Degree Plan - Total Credits: 121**

First Year	First Semester		Second Semester	
	ENG 131	3	PSY 131	3
	BIOL 143	4	ENG 132	3
	SC 135	3	CS 116	3
	PE 100 Level	1	SC 136 (Public Address)	3
	CM 130 (Introduction to Communication Theory)	3	MATH 133	3
	SC 110 (Multipurpose Laboratory)	1		<b>15</b>
	FS 102 Freshman Seminar	<b>1</b>		
	<b>16</b>			

Second Year	Third Semester		Fourth Semester	
	HIST 231	3	HIST 232	3
	ENG 2XX (Any 200 level course)	3	PHYS 101	4
	CM 200 (Intermediate Writing)	3	SC 232 (Interpersonal Communication)	3
	SC 230 (Urban Rhetorical Patterns)	3	Minor	3
	Elective	3	Elective	2
		<b>15</b>		<b>15</b>

Third Year	Fifth Semester		Sixth Semester	
	POLS 231	3	POLS 232	3
	Minor	3	SC 332 (Group Communication Processes)	3
	Minor	3	SC 333 (Interviewing)	3
	SC 330 (Persuasion)	3	SC 338 (Introduction to Organizational Communication)	3
	SC Elective	3	Minor	3
	<b>15</b>		<b>15</b>	

Fourth Year	Seventh Semester		Eighth Semester	
	Minor	3	Elective	3
	Minor	3	Elective	1
	CM 430 (Internship)	3	THC 130 or MUSI 131	3
	SC 434 (Principles of Leadership)	3	SC 438 (Organizational Structure and Communication Behavior)	3
	Elective	3	Minor	3
	<b>15</b>		<b>15</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN  
ENTERTAINMENT AND THE RECORDING INDUSTRY  
TOTAL CREDITS REQUIRED: 121**

**This track is designed and restricted to students transferring from another discipline.**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (ENTERT &amp; RECORD)</b>	<b>SPECIALTY REQUIREMENTS</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>36 credits</b>	<b>18 credits</b>	<b>23 credits</b>
ENG 131 (3)**	ERM 300 (3)	<b>See Advisor***</b>	ACCT 232 (3)
ENG 132 (3)	ERM 305 (3)	Business Communications	CS 117 or
SC 135 or 136 (3)	ERM 310 (3)	Computer Science	CS 120 (3)
MATH 133 (3)	ERM 450 (3)	Health &	RTF 475 (4)
BIOL 143 (4)	ACCT 231 (3)	Physical Education (Sports)	Electives (12)
PHYS 101 (4)	CM 430 (3)	Music	FS 102 (1)
ENG 2xx (3)	ECON 231 (3)	Public Affairs	
MUSI 131 or	MATH 135 or 136 (3)		
MUSI 239 or	MGMT 300 (3)		
THC 130 (3)	FIN 301 (3)		
HIST 231 (3)	RTF 230 (3)		
HIST 232 (3)	RTF 344 (3)		
POLS 231 (3)			
POLS 232 (3)			
PSY 131 or			
SOC 157 or			
SOC 158 (3)			
CS 116 (3)			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* **The specialty is a focus (concentration) area agreed upon by the student and advisor. Twelve (12) credits must be at the 300 and 400 level.**

**The School of Communication**  
**Texas Southern University**  
**Bachelor of Arts Degree in Entertainment and the Recording Industry**  
**Four Year Degree Plan - Total Credits: 121**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English	3	CS 117 Introduction to Computer Science II for non-majors or CS 120 Introduction to Programming in C++	3
	CS 116 Introduction to Computer Science	3	MATH 135 Mathematics for Business & Economics or MATH 136 Pre-Calculus	3
	MATH 133 College Algebra	3	ENG 132 Freshman English II	3
	SOC 157 Introduction to Sociology	3	SC 135 Business & Professional Communications	3
	BIOL 143 Survey of Life Science	4	HIST 231 Social and Political History of the United States to 1877	3
	FS 102 Freshman Seminar	1		15
		17		

Second Year	Third Semester		Fourth Semester	
	ENG 2xx any 200 level English	3	PHYS 101 Principles of Physical Science	4
	HIST 232 Social & Political History of the U.S. Since 1877	3	RTF 230 Introduction to Media Studies	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	ECON 231 Principles of Economics I	3	POLS 231 American Political Systems I	3
	MUSI 239 Fine Arts in Daily Living	3		
	15		13	

Third Year	Fifth Semester		Sixth Semester	
	ERM 300 The Recording Industry	3	ERM 305 Black Entertainment	3
	MGMT 300 Principles of Management	3	POLS 232 American Political Systems II	3
	RTF 344 Media Management and Marketing	3	CM 430 Internship	3
	FIN 301 Basic Financial Management	3	Specialty Course	3
	Specialty Course	3	Elective Course	3
	15		15	

Fourth Year	Seventh Semester		Eighth Semester	
	ERM 310 Publishing and Media Policy	3	ERM 450 Entertainment Management	3
	RTF 475 Advanced Media Performance	4	Specialty Course	6
	Specialty Courses	6	Elective Courses	6
	Elective Course	3		
	16		15	



**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN JOURNALISM  
(PRINT JOURNALISM SPECIALTY)  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (JOURNALISM)</b>	<b>MINOR REQUIREMENTS</b>
<b>44 credits</b>	<b>55 credits</b>	<b>22 credits</b>
ENG 131 (3)**	CM 130 (3)	Contact
ENG 132 (3)	CM 200 (3)	Department of
SC 135 or 136 (3)	CM 332 (3)	choice after
MATH 133 (3)	CM 430 (3)	Being
BIOL 143 (4)	JOUR 130 (3)	advised by
PHYS 101 (4)	JOUR 132 (4)	major advisor
ENG 2xx (3)	JOUR 235 (3)	once admitted
MUSI 131 or	JOUR 238 (4)	to the Department.
THC 130 (3)	JOUR 253 (3)	
HIST 231 (3)	JOUR 331 (3)	FS 102 (1)
HIST 232 (3)	JOUR 332 (4)	
POLS 231 (3)	JOUR 335 (3)	
POLS 232 (3)	JOUR 435 (3)	
PSY 131 or	<b>plus</b>	
SOC 157 or	13 additional	
SOC 158 (3)	General and	
CS 116 (3)	Upper-Level JOUR	
	Elective credits approved	
	by the major advisor	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**The School of Communication  
Texas Southern University  
Bachelor of Arts Degree in Journalism  
(Print Journalism Specialty)  
Four Year Degree Plan - Total Credits: 121**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English	3	JOUR 132 (Introduction to Reporting)	4
	BIOL 143	4	PSY 131 or SOC 157 or 158	3
	SC 135 or 136	3	ENG 132	3
	CM 130 (Introduction to Communication Theory)	3	MATH 133	3
	JOUR 130 (Introduction to Journalism)	3	CS 116	3
	FS 102 Freshman Seminar	1		
		<b>17</b>		<b>16</b>

Second Year	Third Semester		Fourth Semester	
	ENG 2XX (Any 200 level course)	3	JOUR 238 (Intermediate Reporting)	4
	CM 200 (Intermediate Writing)	3	JOUR 253 (News Editing I)	3
	JOUR 235 (Online Journalism I)	3	HIST 232	3
	HIST 231	3	POLS 232	3
	POLS 231	3	THC 130 or MUSI 131	3
	<b>15</b>		<b>16</b>	

Third Year	Fifth Semester		Sixth Semester	
	CM 332 (Computers in Communication)	3	PHYS 101	4
	JOUR 331 (Law and Ethics of Journalism)	3	JOUR 335 (Intermediate Desktop Publishing)	3
	JOUR 332 (Advanced Reporting)	4	*JOUR Elective (s)	6
	Minor	3	Minor	3
	*JOUR Elective	3		
	<b>16</b>		<b>16</b>	

Fourth Year	Seventh Semester		Eighth Semester	
	CM 430 (Internship)	3	Minor	12
	*JOUR Elective	4		
	JOUR 435 (Advanced Desktop Publishing)	3		
	Minor	3		
	<b>13</b>		<b>12</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN JOURNALISM  
(ADVERTISING AND PUBLIC RELATIONS SPECIALTY)  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (JOURNALISM)</b>	<b>MINOR REQUIREMENTS</b>
<b>44 credits</b>	<b>55 credits</b>	<b>22 credits</b>
ENG 131 (3)**	CM 130 (3)	Contact
ENG 132 (3)	CM 200 (3)	Department of
SC 135 or 136 (3)	CM 332 (3)	choice after
MATH 133 (3)	CM 430 (3)	being
BIOL 143 (4)	JOUR 132 (4)	advised by
PHYS 101 (4)	JOUR 232 (3)	major advisor
ENG 2xx (3)	JOUR 234 (3)	once admitted to
MUSI 131 or	JOUR 235 (3)	the Department.
THC 130 (3)	JOUR 238 (4)	
HIST 231 (3)	JOUR 253 (3)	FS 102 (1)
HIST 232 (3)	JOUR 331 (3)	
POLS 231 (3)	JOUR 332 (4)	
POLS 232 (3)	JOUR 335 (3)	
PSY 131 or	JOUR 356 (3)	
SOC 157 or	JOUR 435 (3)	
SOC 158 (3)	<b>plus</b>	
CS 116 (3)	JOUR Elective (7)	
	credits approved by	
	the major advisor	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**The School of Communication  
Texas Southern University  
Bachelor of Arts Degree in Journalism  
(Advertising and Public Relations Specialty)  
Four Year Degree Plan - Total Credits: 121**

First Year	First Semester		Second Semester	
	ENG 131	3	JOUR 132 (Introduction to Reporting)	4
	BIOL 143	4	PSY 131 or SOC 157 or 158	3
	SC 135 or 136	3	ENG 132	3
	CM 130 (Introduction to Communication Theory)	3	MATH 133	3
	CS 116	3	HIST 231	3
	FS 102 Freshman Seminar	1		
		<b>17</b>		<b>16</b>

Second Year	Third Semester		Fourth Semester	
	ENG 2XX	3	POLS 231	3
	CM 200 (Intermediate Writing)	3	JOUR 238 (Intermediate Reporting)	4
	JOUR 232 (Introduction to Advertising)	3	JOUR 253 (News Editing I)	3
	JOUR 235 (Online Journalism I)	3	JOUR 234 (Introduction to Public Relations)	3
	HIST 232	3	THC 130 or MUSI 131	3
	<b>15</b>		<b>16</b>	

Third Year	Fifth Semester		Sixth Semester	
	CM 332 (Computers in Communication)	3	PHYS 101	4
	JOUR 331 (Law and Ethics of Journalism)	3	JOUR 335 (Intermediate Desktop Publishing)	3
	JOUR 332 (Advanced Reporting)	4	JOUR 356 (Advertising and PR Campaign)	3
	POLS 232	3	JOUR Elective	3
	Minor	3	Minor	3
	<b>16</b>		<b>16</b>	

Fourth Year	Seventh Semester		Eighth Semester	
	CM 430 (Internship)	3	Minor	9
	JOUR Elective	4		
	JOUR 435 (Advanced Desktop Publishing)	3		
	Minor	6		
	<b>16</b>		<b>9</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN JOURNALISM  
(BROADCAST JOURNALISM SPECIALTY)  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (JOURNALISM)</b>	<b>OTHER REQUIREMENTS</b>	<b>MINOR REQUIREMENTS</b>
<b>44 credits</b>	<b>67 credits</b>	<b>10 credits</b>	<b>0 credits</b>
ENG 131 (3)**	CM 130 (3)	Electives (9)	<b>A minor is</b>
ENG 132 (3)	CM 200 (3)	FS 102 (1)	<b>NOT required</b>
SC 135 or 136 (3)	CM 332 (3)		<b>for this</b>
MATH 133 (3)	CM 430 (3)		<b>Specialty under</b>
BIOL 143 (4)	JOUR 130 (3)		<b>the Journalism</b>
PHYS 101 (4)	JOUR 132 (4)		<b>Track.</b>
ENG 2xx (3)	JOUR 133 (4)		
MUSI 131 or	JOUR 235 (3)		
THC 130 (3)	JOUR 238 (4)		
HIST 231 (3)	JOUR 242 (4)		
HIST 232 (3)	JOUR 253 (3)		
POLS 231 (3)	JOUR 331 (3)		
POLS 232 (3)	JOUR 332 (4)		
PSY 131 or	JOUR 335 (3)		
SOC 157 or	JOUR 443 (4)		
SOC 158 (3)	RTF 231 (4)		
CS 116 (3)	RTF 365 (4)		
	RTF 368 (4)		
	RTF 375 (4)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**The School of Communication  
Texas Southern University  
Bachelor of Arts Degree in Journalism  
(Broadcast Journalism Specialty)  
Four Year Degree Plan - Total Credits: 121**

First Year	First Semester		Second Semester	
	CM 130 (Introduction to Communication Theory)	3	JOUR 132 (Introduction to Reporting)	4
	JOUR 130 (Introduction to Journalism),	3	JOUR 133 (Broadcast News I)	4
	ENG 131	3	ENG 132	3
	SC 135	3	MATH 133	3
	CS 116	3		
	FS 102 Freshman Seminar	1		
		<b>16</b>		<b>14</b>

Second Year	Third Semester		Fourth Semester	
	CM 200 (Intermediate Writing)	3	JOUR 238 (Intermediate Reporting)	4
	JOUR 235 (Online Journalism I)	3	JOUR 253 (News Editing I)	3
	RTF 231 (Telecommunications Production)	4	JOUR 242 (Intermediate Broadcast News)	4
	ENG 2xx (Any 200 level course)	3	BIOL 143	4
	<b>13</b>		<b>15</b>	

Third Year	Fifth Semester		Sixth Semester	
	CM 332 (Computers in Communication)	3	JOUR 335 (Intermediate Desktop Publishing)	3
	JOUR 331 (Law and Ethics of Journalism)	3	RTF 368 (Introduction to Field Video Production)	4
	JOUR 332 (Advanced Reporting)	4	POLS 231	3
	PHYS 101	4	HIST 231	3
	RTF 365 (Introduction to TV Studio Production)	4	Elective	3
		<b>18</b>		<b>16</b>

Fourth Year	Seventh Semester		Eighth Semester	
	CM 430 (Internship)	3	HIST 232	3
	JOUR 443	4	PSY 131	3
	RTF 375	4	Electives	6
	POLS 232	3	THC 130 or MUSI 131	3
	<b>14</b>		<b>15</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN TELECOMMUNICATIONS  
RADIO/TELEVISION/FILM TRACK  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (TELECOMMUNICATIONS)</b>	<b>OTHER REQUIREMENTS</b>	<b>MINOR REQUIREMENTS</b>
<b>44 credits</b>	<b>50 or 71 credits</b>	<b>6 credits</b>	<b>21 or 0 credits</b>
ENG 131 (3)**	CM 130 (3)	Electives (5)	If the declaration
ENG 132 (3)	CM 200 (3)	FS 102 (1)	of a minor is
SC 135 or 136 (3)	CM 332 (3)		approved by
MATH 133 (3)	CM 430 (3)		the major advisor,
BIOL 143 (4)	RTF 230 (3)		the Department of
PHYS 101 (4)	RTF 231 (4)		choice should be
ENG 2xx (3)	RTF 331 (3)		contacted directly.
MUSI 131 or	RTF 335 (3)		
THC 130 (3)	RTF 344 (3)		
HIST 231 (3)	RTF 438 (3)		
HIST 232 (3)	RTF 499 (4)		
POLS 231 (3)	<b>plus</b>		
POLS 232 (3)	either 15 (with minor option)		
PSY 131 or	or 36 (without minor option)		
SOC 157 or	credits approved by the major		
SOC 158 (3)	advisor, selected from		
CS 116 (3)	the list of RTF elective courses***		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* **The 15 credit option is selected if the student is approved to declare a minor by his/her major advisor.**

**The 36 credit option is selected if the student is approved to not declare a minor.**

**The School of Communication**  
**Texas Southern University**  
**Bachelor of Arts Degree in Telecommunications**  
**(With Minor Option)**  
**Four Year Degree Plan - Total Credits: 122**

First Year	First Semester		Second Semester	
	ENG 131	3	PSY 131	3
	BIOL 143	4	ENG 132	3
	SC 135	3	CS 116	3
	CM 130 (Introduction to Communication Theory)	3	MATH 133	3
	Elective	2	CM 200 (Intermediate Writing)	3
	FS 102 Freshman Seminar	<b>1</b>		
		<b>16</b>		<b>15</b>

Second Year	Third Semester		Fourth Semester	
	HIST 231	3	HIST 232	3
	ENG 2XX	3	PHYS 101	4
	Elective	3	RTF 231 (Introduction to Media Aesthetics)	4
	RTF 230 (Introduction to Media Studies)	3	Elective	1
	THC 130 or MUSI 131	3	POLS 231	3
	<b>15</b>		<b>15</b>	

Third Year	Fifth Semester		Sixth Semester	
	CM 332 (Computers in Communication)	3	Approved Upper-Level RTF Elective(s)	15
	RTF 331 (Media Analysis and Criticism)	3		
	RTF 335 (Writing for Electronic Media and Film)	3		
	RTF 344 (Media Management and Marketing)	3		
	POLS 232	3		
	<b>15</b>		<b>15</b>	

Fourth Year	Seventh Semester		Eighth Semester	
	CM 430 (Internship)	3	Minor	15
	Minor	6		
	RTF 438 (Media and Society)	3		
	RTF 499 (Master Projects in Media Production)	4		
	<b>16</b>		<b>15</b>	



**The School of Communication  
Texas Southern University  
Bachelor of Arts Degree in Telecommunications  
(Without Minor Option)  
Four Year Degree Plan - Total Credits: 121**

First Year	First Semester		Second Semester	
	ENG 131	3	PSY 131	3
	BIOL 143	4	ENG 132	3
	SC 135	3	CS 116	3
	CM 130 (Introduction to Communication Theory)	3	MATH 133	3
	Elective	2	CM 200 (Intermediate Writing)	3
	FS 102 Freshman Seminar	1		
		<b>16</b>		<b>15</b>

Second Year	Third Semester		Fourth Semester	
	HIST 231	3	HIST 232	3
	ENG 2XX	3	PHYS 101	4
	Elective	3	RTF 231 (Introduction to Media Aesthetics)	4
	RTF 230 (Introduction to Media Studies)	3	Elective	1
	THC 130 or MUSI 131	3	POLS 231	3
	<b>15</b>		<b>15</b>	

Third Year	Fifth Semester		Sixth Semester	
	CM 332 (Computers in Communication)	3	Approved Upper-Level RTF Elective(s)	15
	RTF 331 (Media Analysis and Criticism)	3		
	RTF 335 (Writing for Electronic Media and Film)	3		
	RTF 344 (Media Management and Marketing)	3		
	POLS 232	3		
	<b>15</b>		<b>15</b>	

Fourth Year	Seventh Semester		Eighth Semester	
	CM 430 (Internship)	3	Approved Upper-Level RTF Elective(s)	14
	Approved Upper-Level RTF Elective(s)	6		
	RTF 438 (Media and Society)	3		
	RTF 499 (Master Projects in Media Production)	4		
	<b>16</b>		<b>14</b>	





## COLLEGE OF EDUCATION

### OVERVIEW

The College of Education consists of four instructional departments (**Curriculum and Instruction, Educational Administration and Foundations, Counseling, and Health and Kinesiology**) through which four undergraduate degrees and six graduate degrees are offered. The four undergraduate degrees are the Bachelor of Science in Interdisciplinary Studies, the Bachelor of Science in Health, the Bachelor of Science in Human Performance, and the Bachelor of Science in Human Performance/Athletic Training. The six graduate degrees are the Master of Education in Counselor Education, the Master of Education in Educational Administration, the Master of Science in Health, the Master of Science in Human Performance, the Master of Education in Curriculum and Instruction, and the Doctor of Education. The Master of Education (M.Ed.) in Curriculum and Instruction is offered with specializations in Bilingual Education, Early Childhood Education, Reading Education, English, Mathematics, Science, and Special Education. Two of the departments in the College, the Department of Educational Administration and Foundations and the Department of Counseling, are unique at the University in that they offer graduate level degrees only.

**Students who are interested in obtaining detailed information on the graduate degrees offered through the College, as well as more information on the Department of Educational Administration and Foundations and the Department of Counseling, should consult the Graduate School Bulletin of Texas Southern University.**

The College is organized with a Dean, two Associate Deans, and four Department Chairs. The Dean, Associate Deans, and Department Chairs are all housed in the Roderick R. Paige Education Building with the exception of the Chair of the Department of Health and Kinesiology, who is located in Room 103 of the Health and Physical Education Building. The Dean's Office is located in Roderick R. Paige Education Building 243.

The Director of Field Experiences and Clinical Practice and the Director of Certification are housed in the College of Education and share the same suite of offices. Students interested in applying for the Educator Preparation Program should obtain application forms from the Office of Field Experiences and Clinical Practice. Students interested in applying to take the state examination for educator certification (TExES) or to be recommended for certification should contact the Director of Certification. Both offices are located in Room 100 of the Roderick R. Paige Education Building. These offices may also be reached by calling (713)-313-7434.

Some scholarships may be available for candidates preparing for the teaching field. Interested candidates should contact the Office of the Dean for details.

### MISSION STATEMENT

The mission of the College of Education is *to provide competent professionals for effective service in urban schools, agencies and other entities using research and collaboration in seeking solutions to teaching, learning, and behavioral challenges facing urban populations.* The COE is committed to preparing candidates to become urban professionals who will be caring, competent, committed, and culturally responsive.

### ADMISSION INFORMATION

Admission to the College of Education Educator Preparation Program is governed by the following criteria:

1. Completion of the Educator Preparation Program application.
2. Submission of a transcript from Texas Southern University reflecting the most recent semester enrolled prior to the date of the application.
3. Completion of the core requirements of forty-four (44) semester credit hours and those identified in the degree plan.
  - 6 hours of English composition (ENG 131, 132)
  - 3 hours of English Literature (ENG 230)
  - 3 hours of Speech (SC 135 or 136)
  - 8 hours of Science (BIOL 143, PHYS 101)
  - 3 hours of Mathematics (MATH 133, 235, 236)
  - 3 hours of Fine Arts (Music, Art or Theatre)
  - 3 hours of Geography (GEOG 132, World Geography)
  - 6 hours of American History (HIST 231, 232)

- 6 hours of Political Science (POLS 231, 232)
  - 3 hours of General Psychology (PSY 131)
  - 1 hour of Physical Education (any 100 level activity course)
  - 3 hours of Instructional Technology (EDCI 210)
  - 9 hours of electives as recommended by the Academic Advisor:
    - Chemistry
    - Mathematics
    - Theater
    - Foreign Language
    - Sociology
    - Health
    - Adolescent Psychology
4. Submission of the degree plan, signed by the advisor, and department chairperson in the area for which certification is sought.
  5. A minimum overall grade point average (GPA) of 2.50 and all core-related courses completed with grades of “C” or better (**grades of “C-” are unacceptable**).
  6. Submission of verification that the passing criteria given below for the THEA has been met. **Applicants for the Educator Preparation Program are not TASP/THEA exempt and are not eligible for any waivers. The minimum required scores are:**
    - Reading 250
    - Mathematics 230
    - Writing 220 (Multiple-Choice Section)

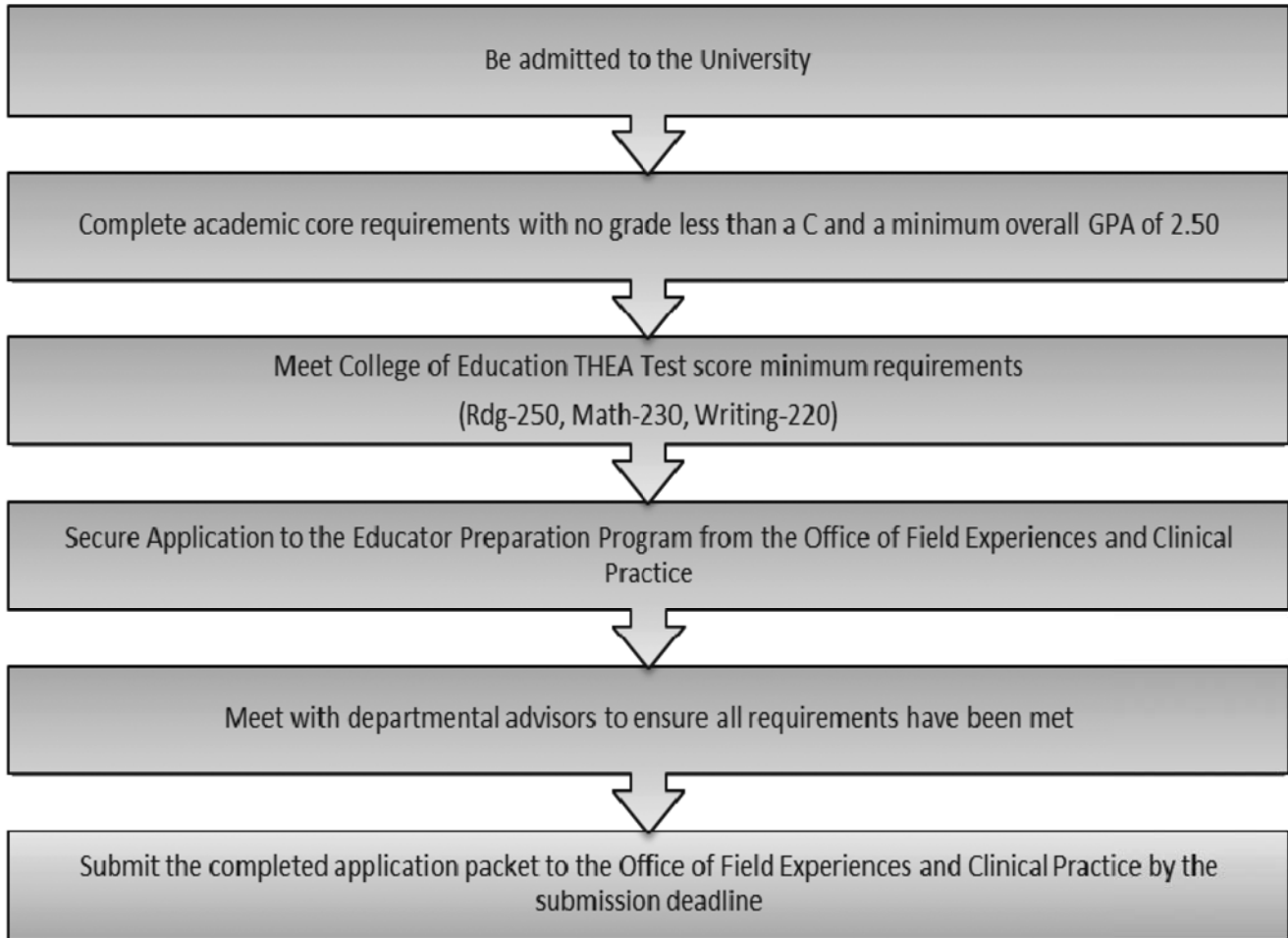
The application for the Educator Preparation Program must be completed and accompanied by a current Texas Southern University transcript, a degree plan signed by the applicant’s advisor, and THEA scores with minimum scores required by the College of Education. Please forward application materials to:

Director of Field Experiences and Clinical Practice  
 College of Education, Room 100  
 Texas Southern University  
 3100 Cleburne, P.O. Box 1680  
 Houston, Texas 77004-4501

Admission to the Educator Preparation Program is decided by the Unit’s *Admissions Committee*. The Director of Field Experiences and Clinical Practice will notify the applicant of the action taken on the application.

**Candidates seeking to transfer to the University should note that the two application processes, admission to Texas Southern University and admission to the College of Education Educator Preparation Program, are separate and independent. Deadlines for submission of applications for admission to the University may be earlier than those for admission to the program. Approval for admission to the program does not imply approval for any other purpose (e.g., admission to the University, financial aid, housing, etc.).**

### Educator Preparation Program Admissions Steps



### STATE BOARD FOR EDUCATORS CERTIFICATION POLICIES

As of May 2002, applicants to the educator preparation program must pass the TExES proficiency test in their area of study and/or endorsement, as well as the pedagogy and professional responsibilities proficiency test (TExES PPR).

Only eligible candidates may attempt TExES. A candidate is eligible when the candidate's advisor and department head grant approval to sit for any of the state Certification Exams

For additional information call 713-313-7751 or e-mail Dr. Roscette Lewis Holmes at [Holmes\\_RY@tsu.edu](mailto:Holmes_RY@tsu.edu).

## COLLEGE OF EDUCATION CLINICAL PRACTICE

### APPROVAL INFORMATION

The applicant for clinical practice must complete an application that includes the approval of the candidate's advisor and the department chairperson within the major area. The application deadlines are stipulated by the Office of Field Experiences and Clinical Practice. A current transcript must accompany the completed application.

Persons seeking approval to engage in clinical practice are discouraged from enrolling in any additional courses. The applicant must have completed the minimum 45 hours of observation in the field (verified by a completed validation form), as required by law, prior to approval for clinical practice and evidence of passing the Content and PPR Representative Forms Practice Tests.

After being approved for clinical practice, the candidate teacher is scheduled for an interview with the Director of Field Experiences and Clinical Practice and the Unit's *Field Experiences and Clinical Practice Committee*. Such an interview may be used to raise concerns relative to any constraints that may negatively affect the success of the placement. Candidate teachers are also provided professional development activities that are related to their optimum functioning during clinical practice.

Candidate teachers are assigned to school districts through the collaboration of the Director of Field Experiences and Clinical Practice and the human resources personnel of the district to which the candidate teacher is assigned. Attention is given to the certification the candidate is seeking, the availability of cooperating teachers to supervise, the constraints that surfaced in the interview, and any other requirements that may impact the candidate's placement.

Clinical Practice is at least sixteen weeks. An orientation is provided for the candidate teachers prior to their placement. In addition, professional development activities are scheduled throughout the clinical experience. Topics and skills relative to the candidates' success are presented in workshops by human resource and district personnel, faculty, and other invited professionals.

### EDUCATOR PREPARATION PROGRAM

**The following options are available, based upon the type of undergraduate degree earned:**

#### **Bachelor of Science Degrees**

EC-6 Bilingual Generalist  
EC-6 Generalist  
4-8 Bilingual Education Generalist  
4-8 English Language Arts/Reading  
4-8 English Language Arts/Reading/Social Studies  
4-8 Mathematics  
4-8 Mathematics/Science  
4-8 Science  
4-8 Social Studies  
EC-12 Special Education  
EC-12 Physical Education  
EC-12 Health  
EC-12 Art  
EC-12 Music  
EC-12 Theatre Arts

**The following secondary school options are available. Candidates should consult the Certification Office regarding the availability of new options.**

8-12 English Language Arts  
8-12 Mathematics  
8-12 History  
8-12 Life Science  
8-12 Mathematics/Physical Science  
8-12 Physical Science  
8-12 Speech Communication  
8-12 Family and Consumer Science  
8-12 Human Development and Family Studies

### **APPROVED ENDORSEMENT PROGRAMS**

Persons interested in Supplemental Certification should check with the Certification Officer in Room 100 of the Roderick R. Paige Education Building.

Endorsement Certification which requires a Teaching Certificate can be completed in the following areas:

Special Education  
Bilingual Education

### **DEFICIENCY PLANS**

Persons who currently hold an earned bachelor's degree and wish to obtain certification in the State of Texas should request a Deficiency Plan through the Certification Office (Room 100) in the Roderick R. Paige Education Building. The number of semester credit hours required to complete the Deficiency Plan will vary on an individual basis and in accordance with the individual's transcripts.

### **REQUIREMENTS FOR CERTIFICATION**

The requirements for persons seeking certification are:

1. Completion of an approved educator preparation program
2. earned grades of "B" or better, where grades of "B-" are unacceptable, in professional development courses.
3. earned grades of "B" or better (grades of "B-" are unacceptable) in specialty courses identified on the selected degree plan.
4. completion of candidate clinical practice, evidence of the completion of two years of teaching experience as a teacher of record; or enrollment in the Texas State Aide Exemption Program.
5. earned passing scores on all required state-mandated Certification Examination(s).

Participants in an Educator Preparation Program shall complete a survey approved by the State Board of Educator Certification (SBEC) evaluating the preparation he or she received in the Educator Preparation Program. Completion and submission of this survey to SBEC is a requirement for issuance of a standard certificate.

### **RIGHT TO MODIFY**

**The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy or requirement at any time during the time that candidates are enrolled. Courses are also subject to change.**

### **DESCRIPTION OF DEPARTMENTS IN THE COLLEGE**

The two departments offering undergraduate degrees are described in detail on the pages that follow. A description of the Department of Curriculum and Instruction is provided, followed by a description of the Department of Health and Kinesiology.



## DEPARTMENT OF CURRICULUM AND INSTRUCTION

The mission of the Department of Curriculum and Instruction is to produce effective teachers to serve culturally diverse students with a focus on urban school populations. The Department's mission is consistent with the overall mission of the College of Education (COE). The mission of the COE is to prepare caring, committed, competent, culturally responsive urban professionals who are equipped to provide effective service in urban schools, agencies and other entities. The theme of the conceptual framework for the COE Educator Preparation Program is "ExPO for Preparing Urban Professionals" which represents COE expectations, practices and outcomes. The programs of study in the Department of Curriculum & Instruction are designed to enable candidates to acquire the knowledge, skills and dispositions needed to function effectively in urban learning environments.

Courses in Curriculum and Instruction (EDCI), Reading Education (RDG), and Special Education (SPED) are offered through the Department of Curriculum and Instruction along with the **Bachelor of Science (B.S.) Degree in Interdisciplinary Studies at the undergraduate level. The B.S. in Interdisciplinary Studies leads to Teacher Certification in the state of Texas in EC-6 or 4-8 in one of ten specialty areas: EC-6 Generalist, EC-6 Bilingual Generalist, 4-8 Bilingual Generalist, 4-8 English/Language Arts/Reading, 4-8 English/Language Arts/Reading/Social Studies, 4-8 Mathematics, 4-8 Mathematics/Science, 4-8 Science, 4-8 Social Studies and All Level (EC-12) Special Education.** Unlike most of the other instructional units at the University, no minor is offered through this Department for the undergraduate degree

**At the graduate level, the Master of Education (M.Ed.) in Curriculum and Instruction is offered with specializations in Bilingual Education, Early Childhood Education, Reading Education, English, Mathematics, Science, or Special Education. A Doctor of Education (Ed.D.) Degree is offered in Curriculum and Instruction with a focus on urban school communities.**

**Students who are interested in detailed information regarding the graduate degrees offered through the Department are referred to the Graduate School Bulletin of Texas Southern University or the Graduate School Website at [http://www.tsu.edu/academics/colleges\\_\\_schools/the\\_graduate\\_school/](http://www.tsu.edu/academics/colleges__schools/the_graduate_school/).**

The ten specialty areas for the B.S. in Interdisciplinary Studies represent ten (10) tracks that students may follow toward completion of the degree and Texas Teacher Certification. Students desiring to earn the B.S. Degree in Interdisciplinary Studies must:

- (1) be admitted to the University,
- (2) satisfy University and state testing requirements,
- (3) secure an application to the Educator Preparation Program (EPP) from the Office of Field Experiences and Clinical Practice,
- (4) meet with departmental advisors to ensure all requirements have been met for admission to the EPP and complete all forms in the application packet, and
- (5) submit the completed application packet to the Office of Field Experiences and Clinical Practice on or before the submission deadline.

Once admitted to the Educator Preparation Program (EPP), students become *Candidate Teachers* and they are assigned an official departmental advisor who should be consulted each academic term. Advisors guide candidate teachers through the Educator Preparation Program, as well as oversee matriculation through their programs of study. All requirements for the Educator Preparation Program must be met and candidate teachers must earn an overall GPA of 2.5 or better as a requirement for graduation. Courses designated as **specialty courses** must be completed with grades of "B" or better, where grades of "B-" are unacceptable, and assessment targets referenced for the Educator Preparation Program must also be met.

Prior to admission to the Educator Preparation Program students are encouraged to visit with staff advisors in the COE Student Advisement Center (SAC) for guidance, information, and program updates. SAC is located in the lower level of the Roderick R. Paige Education Building.

**In summary, students must gain admission to the University, meet University and state testing requirements, petition for admission, and qualify for the Educator Preparation Program. Requirements for the Educator Preparation Program should be reviewed carefully by all interested students. Additional information may be obtained from the Department Office located in R. Paige Education Building 204 or via telephone at (713)-313-7267.**

## Departmental Policies

The Department has established policies and procedures to ensure that candidates matriculate through the program in a timely manner. Adherence to these policies is necessary to successfully complete the selected program of study.

- Students should apply for admission to the Educator Preparation Program after completing at least 44-45 of the 60 hours of the foundation/core courses and after passing ALL parts of the THEA with the minimum scores required by the College of Education. Minimum scores are: Reading – 250, Mathematics – 230, and Writing – 220. Admission to the Educator Preparation Program MUST be obtained prior to enrollment in selected specialty courses and professional development courses.
- Prospective candidates cannot earn more than six (6) semester credit hours in specialty courses prior to admission to the Educator Preparation Program in the College of Education.
- Candidates should enroll in the Professional Development courses in two blocks of six semester hours each. The required sequence is EDCI 310 and EDCI 339 followed by EDCI 328 and EDCI 350. These four courses cannot be taken together in a single semester.
- Candidates seeking certification must earn grades of “B” or better (grades of “B-” are unacceptable) in **All** professional development courses (EDCI 310, EDCI 328, EDCI 339, and EDCI 350).
- Candidates seeking certification must earn grades of “B” or better (grades of “B-” are unacceptable) in **specialty/content courses** identified on the selected degree plan.
- Candidates must register in the Department for Specialty, Professional Development, and Clinical Practice Courses.
- Candidates cannot enroll in Clinical Practice until the Representative Forms Content and PPR Practice Tests have been passed with 80% accuracy or above.
- Students desiring to transfer into the Department from other schools and colleges must have an overall GPA of 2.50. Students who fail to meet the GPA requirements can reapply for approval to transfer into the Department after meeting the 2.50 GPA requirement.
- Candidates may register for TExES (PPR or Content Test) after successfully passing the appropriate TExES Representative Forms Practice Tests (administered by Department).
- Candidates must complete the Department “**Notice of Intent to File for Graduation**” form one semester prior to the anticipated graduation date. This will allow time for Advisors to determine whether candidates will be able to complete program requirements by the expected graduation date.

## Steps for Completing the COE Educator Preparation Program



\*Once candidates have passed the Representative Forms Practice Tests, they can seek permission from their departmental advisors and the Chairperson of Curriculum & Instruction to take the appropriate state-administered TExES Examination.

\*\* Candidates cannot enroll in Clinical Practice until the Content Representative Form Practice Test and the EC-12 PPR Representative Form Practice Test have both been passed with 80% accuracy.

\*\*\*Complete the Department “Notice of Intent to File for Graduation” form one semester prior to your anticipated graduation date.

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Amacker, Emma</b>  <b>Associate Professor</b>            B.S., Grambling State University            M.A., Governors State University            Ed.D., Texas Southern University</p>	<p><b>Lignons, Claudette M.</b>  <b>Professor</b>            B.S., Hampton University            M.Ed., University of Massachusetts            Ed.D., University of Houston</p>
<p><b>Boyd, Nellie</b>  <b>Visiting Associate Professor</b>            B.A., M.Ed., University of South Carolina            Ed.D., University of North Carolina - Greensboro</p>	<p><b>Saha-Gupta, Shaswati Nina</b>  <b>Associate Professor</b>            B.A., Delhi University            M.A., Nagpur University            Ph.D., Syracuse University</p>
<p><b>Gooden, Cherry</b>  <b>Associate Professor/Chair</b>            B.S., M.Ed., Texas Southern University            Ed.D., University of Houston</p>	<p><b>Smith, Jacqueline</b>  <b>Assistant Professor</b>            B.S., Sam Houston State University            M.S., Chicago State University            Ed.D., University of Houston</p>
<p><b>Haynes-Mays, Ingrid</b>  <b>Associate Professor/Assessment Coordinator</b>            B.S., M.Ed., Texas Southern University            Ph.D., University of Mississippi</p>	<p><b>Song, Holim</b>  <b>Associate Professor</b>            B.A., Kyunghee University            M.A., Ed.D., University of Houston</p>
<p><b>Johnson, Jr., James A.</b>  <b>Professor</b>            B.A., Brooklyn College            M.S., Nova University            Ph.D., University of California</p>	

## CURRICULUM AND INSTRUCTION COURSES

<b>EDCI 210</b>	<p><b>Instructional Technology I</b> (3)</p> <p>Provides practice using computers for instruction, evaluation, and management. Analyzes the tenets of professional conduct, ethics, roles, and responsibilities for teaching with computer technology. Three hours of computer use and lecture per week.</p>
<b>EDCI 310</b>	<p><b>Principles and Foundations of Education (**)</b> (3)</p> <p>Analyzes the ethical and legal aspects of teaching, including the structure, organization, and management of the Texas educational system. (Must be taken concurrently with EDCI 339, after admission to the Educator Preparation Program). Three hours of lecture per week.</p>
<b>EDCI 328</b>	<p><b>Psychology of Learning, Growth, and Development (**)</b> (3)</p> <p>Analyzes human development and behavior that influences learning. Attention is also given to motivational styles, learning styles, and ethnic identity development in multicultural classrooms. Three hours of lecture per week. (Must be taken concurrently with EDCI 350, after admission to the Educator Preparation Program). Prerequisites: EDCI 310 and 339.</p>
<b>EDCI 329</b>	<p><b>Social Studies Strategies I</b> (3)</p> <p>Provides developmentally appropriate knowledge and skills needed for planning, organizing, and effectively delivering instruction based on NCSS social studies standards. Three hours of lecture per week.</p>
<b>EDCI 330</b>	<p><b>Mathematics Strategies I</b> (3)</p> <p>Provides developmentally appropriate knowledge and skills needed for planning, organizing, and effectively delivering instruction based on NCTM mathematics standards. Three hours of lecture per week.</p>

<b>EDCI 339</b>	<b>Classroom Management (**)</b>	<b>(3)</b>
	Provides a foundation in comprehensive classroom management with a special emphasis on creating a positive, productive classroom environment. Attention will be given to research-based management techniques and problem solving for unproductive student behaviors. (Must be taken concurrently with EDCI 310, after admission to the Educator Preparation Program). Three hours of lecture per week.	
<b>EDCI 340</b>	<b>Instructional Technology II</b>	<b>(3)</b>
	Emphasizes research, planning, development, implementation, and evaluation of teaching and learning materials for specific purposes. Requires planning for higher order thinking and information processing. Three hours of computer use and lecture per week. Prerequisite: EDCI 210.	
<b>EDCI 346</b>	<b>History and Theories of Child Development</b>	<b>(3)</b>
	Develops historical, philosophical, psychological, and social foundations of early childhood education. Cognitive, physical, social, and emotional developmental theories emphasized. Three hours of lecture per week.	
<b>EDCI 347</b>	<b>Adolescent Development Theories</b>	<b>(3)</b>
	Analyzes developmentally appropriate human processes, from birth through age 16, with respect to adolescent adjustment to school and society. Three hours of lecture per week.	
<b>EDCI 350</b>	<b>Effective Instructional Strategies (**)</b>	<b>(3)</b>
	Focuses on the study of instructional methods that emphasize practical application to the teaching/learning process. Some of these strategies include planning, resource selection, evaluation and communication. (Must be taken concurrently with EDCI 328, after admission to the Educator Preparation Program). Three hours of lecture per week. Prerequisites: EDCI 310 and 339.	
<b>EDCI 402</b>	<b>Science Strategies I</b>	<b>(3)</b>
	Provides developmentally appropriate knowledge and skills needed for planning, organizing, and effectively delivering instruction based on NSTA science standards. Three hours of lecture per week.	
<b>EDCI 404</b>	<b>Certification Seminar</b>	<b>(3)</b>
	Emphasizes the importance of aligning knowledge and skills with best practices in developmentally appropriate teaching environments. Attention will also be given to preparation for state licensure examinations. Three hours of lecture per week. Prerequisite: Consent of Advisor.	
<b>EDCI 405</b>	<b>Integrated Language Arts, Social Studies, and Fine Arts</b>	<b>(3)</b>
	Enhances the language skills of pre-service teachers through Social Studies, Art, Music, and Drama in order for teachers to model effective teaching practices from a whole language approach. Three hours of lecture per week. Prerequisite: RDG 301 or RDG 302.	
<b>EDCI 410</b>	<b>Individual Projects</b>	<b>(3)</b>
	Creates opportunities for students to increase learner outcomes through participation in an independent project to apply effective instructional practices for diverse populations of urban learners. Prerequisite: Consent of instructor.	
<b>EDCI 430</b>	<b>Integrated Science, Mathematics, and Health</b>	<b>(3)</b>
	Provides integrated study of the natural sciences, along with mathematics and health, in a creative way with associated teaching strategies to support the success of urban students. Intended for Educator Preparation Candidates. Three hours of lecture per week. Prerequisites: MATH 133, MATH 235 and MATH 236.	
<b>EDCI 431</b>	<b>Linguistics</b>	<b>(3)</b>
	Introduces the basic linguistic concepts and terminology related to phonology, syntax, morphology, vocabulary, and semantics for bilingual and ESL teachers. Three hours of lecture per week.	

<b>EDCI 432</b>	<p><b>Language Acquisition (3)</b>  Analyzes the first and second language acquisition theories. Addresses the linguistic, cultural, and cognitive factors that impact the acquisition of a second language. Three hours of lecture per week.</p>
<b>EDCI 433</b>	<p><b>Early Childhood Curriculum (3)</b>  Examines and stresses planning, implementation, and evaluation of developmentally appropriate curriculum content for young children from birth through age eight. Emphasizes an interdisciplinary cognitive curriculum that includes an understanding of mathematics, science, and social studies. Three hours of lecture per week.</p>
<b>EDCI 434</b>	<p><b>Creative Arts and Movement (3)</b>  Supports pre-service teachers' development of the basic skills and techniques associated with activities and strategies for integrating the visual arts, music, creative drama and movement into the EC-6 curriculum. Three hours of lecture per week.</p>
<b>EDCI 435</b>	<p><b>Language Development and Literacy in Early Childhood (**)(3)</b>  Emphasizes the development of receptive, expressive language, and emergent literacy in children. Includes understanding and awareness of native speakers of other languages. Three hours of lecture per week and 10 hours in the field.</p>
<b>EDCI 436</b>	<p><b>Developing English Language Skills (**)(3)</b>  Creates opportunities for students to practice techniques to teach English to speakers of other languages. Three hours of lecture per week and 10 hours in the field.</p>
<b>EDCI 450</b>	<p><b>Directed Student Teaching in Grades 4-8 (**)(6)</b>  Provides directed student teaching in grades 4-8 with supervisory support from the College of Education, a University-based supervisor, and a school-based supervisor. Two hours of lecture and forty hours of laboratory per week.</p>
<b>EDCI 455</b>	<p><b>Curriculum Development in Bilingual Education (3)</b>  Examines the theoretical bases of bilingual education curriculum. Emphasis is placed on designing curriculum appropriate to EC-6 bilingual education. Includes evaluation of designed curriculum and application.</p>
<b>EDCI 456</b>	<p><b>Developing Spanish Language Skills I (3)</b>  Develops Spanish language skills needed to teach reading and language arts in a bilingual program. Taught in Spanish. Three hours of lecture per week.</p>
<b>EDCI 457</b>	<p><b>Developing Spanish Language Skills II (3)</b>  Develops the technical Spanish vocabulary skills needed to communicate concepts in mathematics, social studies, and science. Taught in Spanish. Three hours of lecture per week.</p>
<b>EDCI 458</b>	<p><b>Effective Classroom Communications (3)</b>  Focuses on academic language among school personnel: teachers, students, parents, administrators, and others. Three hours of lecture per week.</p>
<b>EDCI 460</b>	<p><b>Foundations of Bilingual Education (3)</b>  This course outlines the historical perspective of bilingual education, foundations of education, and the concepts of bilingualism and biculturalism. Three hours of lecture per week.</p>
<b>EDCI 463</b>	<p><b>Directed Student Teaching in Special Education (**)(6)</b>  Creates opportunities for observation and student teaching in regular and special class assignments in the area of language/learning disabilities on the elementary or secondary levels. Two hours of lecture and forty hours of laboratory per week.</p>

- EDCI 464 Directed Student Teaching in High School (\*\*)** (6)  
Creates opportunities for observation and directed teaching by students in an approved secondary school. Two hours of lecture and forty hours of laboratory per week.
- EDCI 466 Directed Student Teaching in Bilingual Classrooms (\*\*)** (6)  
Creates opportunities for observation and directed teaching of students in elementary, bilingual, and/or ESL classrooms. Supervision done by bilingual faculty. Two hours of lecture and forty hours of laboratory per week.
- EDCI 468 Directed Student Teaching - All Levels (\*\*)** (6)  
Creates opportunities for observation and directed teaching at the elementary and secondary levels. Half of the time is spent in an elementary school and half of the time is spent in a high school setting. Two hours of lecture and forty hours of laboratory per week.
- EDCI 478 Family and Community Relationships in Early Childhood** (3)  
Stresses the social and psychological impact that the family and the community have on the development of children. Also examines implications of cultural diversity, family life styles, and socioeconomic level on the young child. Three hours of lecture per week.
- EDCI 479 Management in Early Childhood Environment** (3)  
Emphasizes structuring of indoor and outdoor learning environments that promote positive self image, achievement, and competence. Examines personal health, safety, materials, and resources. Includes group management. Three hours of lecture per week.
- EDCI 491 Directed Student Teaching in Elementary School and Kindergarten (\*\*)** (6)  
Creates opportunities for observation and directed student teaching at the elementary and kindergarten levels. Half of the time is spent in an elementary school and half of the time is spent in a kindergarten setting. Two hours of lecture and forty hours of laboratory per week.

#### READING EDUCATION COURSES

- RDG 301 Basic Concepts of Reading** (3)  
Recognizes interrelationships of reading, writing, listening, and speaking. Shows how to plan instruction that reflects interrelated nature of these processes. Three hours of lecture per week. Formerly RDG 201.
- RDG 302 Reading Skills Development** (3)  
Familiarizes students with recent issues in language arts education and teaches them how to apply this information to classroom instruction. Three hours of lecture per week. Formerly RDG 202.
- RDG 400 Middle School Reading** (3)  
Introduces language arts strategies and concepts of learning across the content areas. Focuses on the curriculum in grades 4-8. Three hours of lecture per week.
- RDG 401 Reading for Diverse Populations** (3)  
Presents culturally responsive teaching pedagogies to enhance reading skills development of diverse populations of children in Texas schools. Focuses on TEKS-related reading competencies as reflected in K-8 standards. Three hours of lecture per week.
- RDG 402 Informal Diagnosis (\*\*)** (3)  
Emphasizes assessment of reading skills using informal procedures, including informal reading inventories, checklists, and observation. Three hours of lecture per week and 10 hours in the field.

## SPECIAL EDUCATION COURSES

- SPED 309**                      **Survey of Exceptional Education I**                      **(3)**  
Provides a survey of the characteristics and issues related to working with students with: Learning Disabilities, ADHD, Mental Retardation, Autism and Severe and Multiple Disabilities. Special emphasis on Dyslexia. Three hours of lecture per week. (Must be taken concurrently with SPED 370)
- SPED 370**                      **Survey of Exceptional Education II**                      **(3)**  
Provides a survey of the characteristics and issues related to working with students with: Communication disorders, Physical Disorders, Other health Impairments, Visual disabilities and Hearing Disabilities. Basic statutory and legislative issues included. Three hours of lecture per week. (Must be taken concurrently with SPED 309)
- SPED 401**                      **Field Experiences in Special Education (\*\*)**                      **(3)**  
A field-based course which includes 45 hours of classroom observation, lesson planning and teaching mini units.
- SPED 402**                      **Assessment Practices for Children with Disabilities**                      **(3)**  
Emphasizes the commonly used techniques and tools for assessing students. Includes both formal and informal assessment measures. Three hours of lecture per week.
- SPED 403**                      **Educational Procedures for Children with Disabilities I**                      **(3)**  
Outlines strategies and methods used to foster inclusionary practices that improve student outcomes in the areas of mathematics and social skills. Three hours of lecture per week.
- SPED 404**                      **Managing Behaviors of Children with Disabilities**                      **(3)**  
Focuses on the characteristics of children with behavioral disorders and provides strategies to address these problems. Three hours of lecture per week.
- SPED 405**                      **Educational Procedures for Children with Disabilities II**                      **(3)**  
Outlines strategies and methods used to foster inclusionary practices that improve student outcomes in the areas of language, spelling, and reading. Three hours of lecture per week.
- SPED 406**                      **School/Community Collaboration for Special Education**                      **(3)**  
Addresses the importance of collaboration among educators, parents, and the community to meet the needs of all students. Emphasizes collaborative strategies within the context of inclusive education. Three hours of lecture per week.
- SPED 410**                      **Individual Projects - Special Education**                      **(3)**  
Creates opportunities for students to increase learner outcomes through participation in an independent project to apply effective special education instructional practices for the urban learner.

NOTE: (\*\*) is used to designate field-based courses.



**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES  
EARLY CHILDHOOD-6 GENERALIST SPECIALTY TRACK  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM* (STANDARD)	SPECIALTY (EARLY CHILDHOOD)	OTHER REQUIREMENTS
44 credits	42 credits	36 credits
ENG 131 (3)**	<b>Relative to</b>	PE 1xx (1)
ENG 132 (3)	<b>Specialty:</b>	FS 102 (1)
SC 135 or 136 (3)	EDCI 346 (3)	BIOL 131, 111 (4)
MATH 133 (3)	EDCI 433 (3)	BIOL 132, 112 (4)
BIOL 143, 143L (4)	EDCI 434 (3)	GEOG 132 (3)
PHYS 101 (4)	EDCI 435 (3)	MATH 235 (3)
ENG 230 (3)	EDCI 478 (3)	MATH 236 (3)
MUSI 131 (3) or Art 131 (3)	EDCI 479 (3)	SPED 309 (3)
HIST 231 (3)	<b>Professional</b>	EDCI 347 (3)
HIST 232 (3)	<b>Development:</b>	RDG 302 (3)
POLS 231 (3)	EDCI 310 (3)	RDG 401 (3)
POLS 232 (3)	EDCI 328 (3)	EDCI 340 (3)
PSY 131 (3)	EDCI 339 (3)	HED 233 (2)
EDCI 210 (3)***	EDCI 350 (3)	
	EDCI 405 (3)	
	EDCI 430 (3)	
	EDCI 491 (6)	

\* Students should be counseled by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Not Equivalent to CS 116.

**College of Education  
Texas Southern University  
Bachelor of Science Degree Interdisciplinary Studies  
EC-6 Generalist (Nationally Recognized)  
Degree Plan - Total Credits: 122**

	First Semester		Second Semester	
	<b>First Year</b>	ENG 131 Freshman English I	3	ENG 132 Freshman English II
SC 135 or 136 Business & Professional Communication or Public Address		3	PHYS 101 Prin. Of Physical Science	4
HIST 231 Social & Political History of the United States to 1877		3	HIST 232 Social & Political History of the United States to 1877	3
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I		3	BIOL 143 Survey of Life Science	4
MATH 133 College Algebra		3	PE (Any Course)	1
FS 102 Freshmen Seminar		1	HED 233 Principles of Health	2
		16 hrs		17 hrs

**Transition 0: Before the end of Second Semester the candidate should:**

**Complete THEA with minimum scores of:**

**Reading: 250**

**Math: 230**

**Writing: 220 Multiple-Choice Section)**

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POL SCI 231 American Polit. System I	3	POL SCI 232 American Polit. System II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found., Geom., Stat., Prob.	3
	EDCI 210 Instructional Technology I	3	PSY 131 General Psychology	3
		16 hrs		16 hrs

**Transition 1: Before the end of Fourth Semester, candidate should:  
Be admitted to the Educator Preparation Program.**

Third Year	Fifth Semester		Sixth Semester	
	SPED 309 Survey of Exceptional Educ. I	3	EDCI 310 Principles & Foundations of Educ	3
	RDG 302 Reading Skills Development	3	EDCI 339 Classroom Management	3
	EDCI 346 Hist. & Theory of Child Dev.	3	EDCI 347 Adolescent Development	3
	EDCI 433 Early Childhood Curriculum	3	EDCI 340 Instructional Technology II	3
	EDCI 434 Creativity and Movement	3	EDCI 435 Language Development & Literacy	3
		15 hrs	EDCI 478 Family & Com. Relat. EC	3
			18 hrs	

**Transition 2: Before the end of Fifth Semester, candidate should:  
Take and pass Content Representative Form Practice Test.  
Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)**

**Before the end of Sixth Semester candidate should:  
Take and pass the PPR Representative Form Practice Test.  
Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)  
Take and pass the TExES Content Test.**

Fourth Year	Seventh Semester		Eighth Semester	
	EDCI 328 Psy. Of Learn. Growth & Dev.	3	EDCI 491 Direct. Stud. Teaching, EC-4	6
	EDCI 350 Instructional Strategies	3	EDCI 430 Integrating Sci., Math., & Health	3
	EDCI 405 Integrated L.A., Soc. St., & Fine A	3		
	EDCI 479 Management in Early Childhood	3		
	RDG 401 Rdg. For Div. Populations	3		
	15 hrs		9 hrs	

**Transition 3: Before the end of the Seventh Semester, the candidate should:  
Take and pass the TExES EC-12 PPR Test.  
Apply for Clinical Practice.**

**IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Practice Test and the PPR Representative Form Practice Test have both been passed with 80% accuracy.**

**Transition 4: By the end of the Eighth Semester, the candidate should:  
Satisfy all requirements for Texas Teacher Certification  
Graduate from the Educator Preparation Program**

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES  
EC-6 BILINGUAL GENERALIST SPECIALTY TRACK  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM* (STANDARD)	SPECIALTY (BILINGUAL ED)	OTHER REQUIREMENTS
<b>44 credits</b>	<b>42 credits</b>	<b>36 credits</b>
ENG 131 (3)**	<b>Relative to</b>	PE 1xx (1)
ENG 132 (3)	<b>Specialty:</b>	FS 102 (1)
SC 135 or 136 (3)	EDCI 431 (3)	BIOL 131, 111 (4)
MATH 133 (3)	EDCI 432 (3)	BIOL 132, 112 (4)
BIOL 143, 143L (4)	EDCI 436 (3)	GEOG 132 (3)
PHYS 101 (4)	EDCI 456 (3)	Math 235 (3)
ENG 230 (3)	EDCI 457 (3)	Math 236 (3)
	EDCI 460 (3)	SPED 370 (3)
MUSI 131 (3)	<b>Professional</b>	RDG 301 (3)
HIST 231 (3)	<b>Development:</b>	RDG 302 (3)
HIST 232 (3)	EDCI 310 (3)	EDCI 340 (3)
POLS 231 (3)	EDCI 328 (3)	EDCI 347 (3)
POLS 232 (3)	EDCI 339 (3)	HED 233 (2)
PSY 131 (3)	EDCI 350 (3)	
EDCI 210 (3)***	EDCI 430 (3)	
	EDCI 405 (3)	
	EDCI 466 (6)	

\* Students should be counseled by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Not Equivalent to CS 116.

**College of Education  
Texas Southern University  
Bachelor of Science Degree in Interdisciplinary Studies  
EC-6 Bilingual Generalist  
Four Year Degree Plan – Total Credits: 122**

	First Semester		Second Semester	
	<b>First Year</b>	ENG 131 Freshman English I	3	ENG 132 Freshman English II
	SC 135 or 136 Business & Professional Communication or Public Address	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Soc. Polit. Hist. of U.S. to 1877	3	GEOG 132 World Regional Geography	3
	BIOL 143 A Surv. Of Life Sci.	4	MATH 133 College Algebra	3
	MUSI 131 Intro. To Music	3	PSY 131 General Psychology	3
	FS 102 Freshman Seminar	1	PE (Any 100-Level Course)	1
		17 hrs		16 hrs

**Transition 0: Before the end of Second Semester the candidate should:**

**Complete THEA with minimum scores of:**

**Reading: 250**

**Math: 230**

**Writing: 220 Multiple-Choice Section)**

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	PHYS 101 Prin. of Physical Science	4
	POLS 231 American Polit. System I	3	POLS 232 American Polit. System II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found. Geom., Stat., Prob.	3
	EDCI 210 Instructional Technology I	3	EDCI 347 Adolescent Development	3
	HED 233 Principles of Health	2		
	18 hrs		17 hrs	

**Transition 1: Before the end of Fourth Semester, candidate should:  
Be admitted to the Educator Preparation Program.**

Third Year	Fifth Semester		Sixth Semester	
	SPED 370 Survey of Exceptional Ed II	3	EDCI 310 Principles & Foundations of Educ.	3
	EDCI 340 Instructional Technology II	3	EDCI 339 Classroom Management	3
	RDG 301 Basic Concepts or Reading	3	EDCI 436 Dev. Eng. Lang Skills	3
	EDCI 431 Linguistics for Teachers	3	EDCI 456 Dev. Span. Lang. Skills I	3
	EDCI 432 Language Acquisition	3	RDG 302 Reading Skills Development	3
	EDCI 460 Foundations of Bilingual Ed.	3		
	18 hrs		15 hrs	

**Transition 2: Before the end of Fifth Semester, candidate should:  
Take and pass Content Representative Form Practice Test.  
Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)**

**Before the end of Sixth Semester candidate should:  
Take and pass the PPR Representative Form Practice Test.  
Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)  
Take and pass the TExES Content Test.**

Fourth Year	Seventh Semester		Eighth Semester	
	EDCI 328 Psy. Of Learn. Growth & Dev.	3	EDCI 466 Direct. Stud. Tch. Bil. Ed.	6
	EDCI 350 Instructional Strategies	3	EDCI 430 Integrating Sci., Math., & Health	3
	EDCI 457 Dev. Eng. Lang. Skills II	3		
	EDCI 405 Integrated L.A., Soc. St., & F. A.	3		
	12 hrs		9 hrs	

**Transition 3: Before the end of the Seventh Semester, the candidate should:  
Take and pass the TExES EC-12 PPR Test.  
Apply for Clinical Practice.**

**IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Practice Test and the PPR Representative Form Practice Test have both been passed with 80% accuracy.**

**Transition 4: By the end of the Eighth Semester, the candidate should:  
Satisfy all requirements for Texas Teacher Certification  
Graduate from the Educator Preparation Program**

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES  
4-8 BILINGUAL GENERALIST SPECIALTY TRACK  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM* (STANDARD)	SPECIALTY (BILINGUAL ED)	OTHER REQUIREMENTS
44 credits	42 credits	36 credits
ENG 131 (3)**	<b>Relative to</b>	PE 1xx (1)
ENG 132 (3)	<b>Specialty:</b>	FS 102 (1)
SC 135 or 136 (3)	EDCI 431 (3)	BIOL 131, 111 (4)
MATH 133 (3)	EDCI 432 (3)	BIOL 132, 112 (4)
BIOL 143, 143L (4)	EDCI 436 (3)	MATH 235 (3)
PHYS 101 (4)	EDCI 456 (3)	MATH 236 (3)
ENG 230 (3)	EDCI 457 (3)	SPED 370
MUSI 131 (3)	EDCI 460 (3)	RDG 302 (3)
HIST 231 (3)	<b>Professional</b>	RDG 400 (3)
HIST 232 (3)	<b>Development:</b>	GEOG 132 (3)
POLS 231 (3)	EDCI 310 (3)	EDCI 340 (3)
POLS 232 (3)	EDCI 339 (3)	EDCI 347 (3)
PSY 131 (3)	EDCI 328 (3)	HED 233 (2)
EDCI 210 (3)***	EDCI 350 (3)	
	EDCI 405 (3)	
	EDCI 430 (3)	
	EDCI 466 (6)	

\* Students should be counseled by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Not Equivalent to CS 116.

**College of Education  
Texas Southern University  
Bachelor of Science Degree Interdisciplinary Studies  
4-8 Bilingual Generalist  
Four Year Degree Plan - Total Credits: 122**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3		ENG 132 Freshman English II
SC 135 or 136 Business & Professional Communication or Public Address	3		PHYS 101 Prin. of Physical Science	4
HIST 231 Soc. Polit. Hist. of U.S, to 1877	3		HIST 232 Social & Political History of the United States since 1877	3
BIOL 143 A Surv. Of Life Sci.	4		MATH 133 College Algebra	3
MUSI 131 Intro. To Music	3		PE (Any 100-Level Course)	1
FS 102 Freshman Seminar	1		PSY 131 General Psychology	3
	17 hrs			17 hrs

**Transition 0: Before the end of Second Semester the candidate should:**

**Complete THEA with minimum scores of:**

**Reading: 250**

**Math: 230**

**Writing: 220 Multiple-Choice Section)**

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POLS 231 American Polit. System I	3	POLS 232 American Polit. System II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found. Geom., Stat., Prob.	3
	EDCI 210 Instructional Technology I	3	EDCI 340 Instructional Technology II	3
	HED 233 Principles of Health	2		
		18 hrs		16 hrs

**Transition 1: Before the end of Fourth Semester, candidate should:  
Be admitted to the Educator Preparation Program.**

Third Year	Fifth Semester		Sixth Semester	
	SPED 370 Survey of Exceptional Educ. II	3	EDCI 310 Principles & Foundations of Educ	3
	EDCI 347 Adolescent Development	3	EDCI 339 Classroom Management	3
	RDG 301 Basic Concepts of Reading	3	EDCI 436 Dev. Eng. Lang. Skills	3
	EDCI 431 Linguistics for Teachers	3	EDCI 456 Dev. Span. Lang. Skills I	3
	EDCI 432 Language Acquisition	3	RDG 400 Content Area Reading	3
	EDCI 460 Foundations of Bilingual Ed.	3	.	
	18 hrs		15 hrs	

**Transition 2: Before the end of Fifth Semester, candidate should:  
Take and pass Content Representative Form Practice Test.  
Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)**

**Before the end of Sixth Semester candidate should:  
Take and pass the PPR Representative Form Practice Test.  
Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)  
Take and pass the TExES Content Test.**

Fourth Year	Seventh Semester		Eighth Semester	
	EDCI 328 Psy. Of Learn. Growth & Dev.	3	EDCI 466 Direct. Stud. Teaching, Bil. Ed.	6
	EDCI 350 Instructional Strategies	3	EDCI 430 Integrating Sci., Math., & Health	3
	EDCI 405 Integrated L.A., Soc. St., & F. A.	3		
	EDCI 457 Dev. Span. Lang Skills II	3		
	12 hrs		9 hrs	

**Transition 3: Before the end of the Seventh Semester, the candidate should:  
Take and pass the TExES EC-12 PPR Test.  
Apply for Clinical Practice.**

**IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Practice Test and the PPR Representative Form Practice Test have both been passed with 80% accuracy.**

**Transition 4: By the end of the Eighth Semester, the candidate should:  
Satisfy all requirements for Texas Teacher Certification  
Graduate from the Educator Preparation Program**

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES  
ENGLISH LANG. ARTS AND READING 4-8 SPECIALTY TRACK  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM* (STANDARD)	SPECIALTY (ELA/RDG)	OTHER REQUIREMENTS
<b>44 credits</b>	<b>42 credits</b>	<b>36 credits</b>
ENG 131 (3)**	<b>Relative to</b>	PE 1xx (1)
ENG 132 (3)	<b>Specialty:</b>	FS 102 (1)
SC 135 or 136 (3)	ENG 231 (3)	GEOG 132 (3)
MATH 133 (3)	RDG 301 (3)	BIOL 131, 111 (4)
BIOL 143, 143L (4)	RDG 302 (3)	BIOL 132, 112 (4)
PHYS 101 (4)	RDG 401 (3)	MATH 235 (3)
ENG 230 (3)	RDG 400 (3)	MATH 236 (3)
MUSI 131 (3)	RDG 402 (3)	ENG 351 (3)
HIST 231 (3)	<b>Professional</b>	EDCI 340 (3)
HIST 232 (3)	<b>Development:</b>	EDCI 347 (3)
POLS 231 (3)	EDCI 310 (3)	SPED 370 (3)
POLS 232 (3)	EDCI 328 (3)	RDG 406 (3)
PSY 131 (3)	EDCI 339 (3)	ELECTIVE (Any two hour course)
EDCI 210 (3)***	EDCI 350 (3)	
	EDCI 405 (3)	
	ENG 439 (3)	
	EDCI 450 (6)	

\* Students should be counseled by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) Represents the number of course credits.

\*\*\* Not Equivalent to CS 116.

**College of Education  
Texas Southern University  
Bachelor of Science Degree in Interdisciplinary Studies  
4-8 English Language Arts/Reading  
Four Year Degree Plan – Total Credits: 122**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
SC 135 or 136 Business & Professional Communication or Public Address	3	HIST 232 Social & Political History of the United States since 1877	3	
HIST 231 Soc. Polit. Hist. of U.S. to 1877	3	PSY 131 General Psychology	3	
BIOL 143 A Surv. Of Life Sci.	4	MATH 133 College Algebra	3	
MUSI 131 Intro. To Music	3	PHYS 101 Principles of Physical Science	4	
FS 102 Freshman Seminar	1	PE (Any 100-Level Course)	1	
	17 hrs		17 hrs	

**Transition 0: Before the end of Second Semester the candidate should:**

**Complete THEA with minimum scores of:**

**Reading: 250**

**Math: 230**

**Writing: 220 Multiple-Choice Section)**

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	ENG 231 World Literature II	3
	POLS 231 American Polit. System I	3	POLS 232 American Polit. System II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	1
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found. Geom., Stat., Prob.	3
	GEOG 132 World Regional Geography	3	EDCI 210 Instructional Technology I	3
			Elective	2
	16 hrs		18 hrs	

**Transition 1:** Before the end of Fourth Semester, candidate should:  
Be admitted to the Educator Preparation Program.

Third Year	Fifth Semester		Sixth Semester	
	SPED 370 Survey of Exceptional Educ. II	3	EDCI 310 Principles & Foundations of Educ	3
	EDCI 347 Adolescent Development	3	EDCI 339 Classroom Management	3
	RDG 301 Basic Concepts of Reading	3	ENG 351 Grammar Review Workshop	3
	RDG 302 Reading Skills Development	3	RDG 400 Content Area Reading	3
	EDCI 340 Instructional Technology II	3	RDG 402 Informal Diagnosis	3
			EDCI 405 Integrated L.A., Soc. St., & F. A	3
	15 hrs		18 hrs	

**Transition 2:** Before the end of Fifth Semester, candidate should:  
Take and pass Content Representative Form Practice Test.  
Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)

Before the end of Sixth Semester candidate should:  
Take and pass the PPR Representative Form Practice Test.  
Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)  
Take and pass the TExES Content Test.

Fourth Year	Seventh Semester		Eighth Semester	
	EDCI 328 Psy. Of Learn. Growth & Dev.	3	EDCI 450 Direct. Stud. Tch. 4-8	6
	EDCI 350 Instructional Strategies	3	RDG 406 Reading Appreciation	
	RDG 401 Rdg. For Div. Populations	3		
	ENG 439 The Teaching of English	3		
	12 hrs		9 hrs	

**Transition 3:** Before the end of the Seventh Semester, the candidate should:  
Take and pass the TExES EC-12 PPR Test.  
Apply for Clinical Practice.

**IMPORTANT NOTE:** Candidate cannot enroll in Clinical Practice until the Content Representative Form Practice Test and the PPR Representative Form Practice Test have both been passed with 80% accuracy.

**Transition 4:** By the end of the Eighth Semester, the candidate should:  
Satisfy all requirements for Texas Teacher Certification  
Graduate from the Educator Preparation Program



**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES  
ENGLISH LANG. ARTS/ READING / SOCIAL STUDIES 4-8 SPECIALTY TRACK  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM* (STANDARD)	SPECIALTY (ELA/RDG/SS)	OTHER REQUIREMENTS
<b>44 credits</b>	<b>42 credits</b>	<b>36 credits</b>
ENG 131 (3)**	<b>Relative to</b>	PE 1xx (1)
ENG 132 (3)	<b>Specialty:</b>	FS 102 (1)
SC 135 or 136 (3)	ENG 351 (3)	GEOG 132 (3)
MATH 133 (3)	RDG 301 (3)	GEOG 230 (3)
BIOL 143, 143L (4)	RDG 302 (3)	GEOG 331 (3)
PHYS 101 (4)	RDG 400 (3)	GEOG 332 (3)
ENG 230 (3)	RDG 402 (3)	BIOL 131, 111 (4)
MUSI 131 (3)	RDG 401 (3)	BIOL 132, 112 (4)
HIST 231 (3)	<b>Professional</b>	SPED 370 (3)
HIST 232 (3)	<b>Development:</b>	EDCI 340 (3)
POLS 231 (3)	EDCI 310 (3)	MATH 235 (3)
POLS 232 (3)	EDCI 328 (3)	MATH 236 (3)
PSY 131 (3)	EDCI 339 (3)	ELECTIVE (Any two hour course)
EDCI 210 (3)***	EDCI 350 (3)	
	EDCI 347 (3)	
	EDCI 405 (3)	
	EDCI 450 (6)	

\* Students should be counseled by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) Represents the number of course credits.

\*\*\* Not Equivalent to CS 116.

**College of Education  
Texas Southern University  
Bachelor of Science Degree Interdisciplinary Studies  
4-8 English Language Arts/Reading/Social Studies  
Four Year Degree Plan - Total Credits: 122**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
SC 135 or 136 Business & Professional Communication or Public Address	3	HIST 232 Social & Political History of the United States since 1877	3	
HIST 231 Social & Political History of the United States to 1877	3	GEOG 132 World Regional Geography	3	
MUSI 131 Introduction to Music	3	MATH 133 College Algebra	3	
BIOL 143 A Surv. Of Life Sci.	4	PHYS 101 Principles of Physical Science	4	
FS 102 Freshman Seminar	1	PE (Any 100-Level Course)	1	
	17 hrs		17 hrs	

**Transition 0: Before the end of Second Semester the candidate should:**

**Complete THEA with minimum scores of:**

**Reading: 250**

**Math: 230**

**Writing: 220 Multiple-Choice Section)**

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	GEOG 230 Urban Geography	3
	POLS 231 American Polit. System I	3	POLS 232 American Polit. System II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found. Geom., Stat., Prob.	3
	EDCI 210 Instructional Technology I	3	PSY 131 General Psychology	3
			Elective (Any two hour course)	2
		16 hrs		18 hrs

**Transition 1: Before the end of Fourth Semester, candidate should:  
Be admitted to the Educator Preparation Program.**

Third Year	Fifth Semester		Sixth Semester	
	SPED 370 Survey of Exceptional Educ. II	3	EDCI 310 Principles & Foundations of Educ.	3
	EDCI 340 Instructional Technology II	3	EDCI 339 Classroom Management	3
	EDCI 347 Adolescent Development	3	RDG 302 Reading Skills Development	3
	ENG 351 Grammar Review Workshop	3	RDG 400 Content Area Reading	3
	RDG 301 Basic Concepts of Reading	3	GEOG 332 Economic Geography	3
	GEOG 331 Geography of Texas	3		
		18 hrs		15 hrs

**Transition 2: Before the end of Fifth Semester, candidate should:  
Take and pass Content Representative Form Practice Test.  
Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)**

**Before the end of Sixth Semester candidate should:  
Take and pass the PPR Representative Form Practice Test.  
Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)  
Take and pass the TExES Content Test.**

Fourth Year	Seventh Semester		Eighth Semester	
	EDCI 328 Psy. Of Learn. Growth & Dev.	3	EDCI 450 Direct. Stud. Teaching, 4-8	6
	EDCI 350 Instructional Strategies	3	RDG 401 Rdg. For Div. Populations	
	EDCI 405 Integrated L.A., Soc. St., & F. A	3		
	RDG 402 Informal Diagnosis	3		
	12 hrs		9 hrs	

**Transition 3: Before the end of the Seventh Semester, the candidate should:  
Take and pass the TExES EC-12 PPR Test.  
Apply for Clinical Practice.**

**IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Practice Test and the PPR Representative Form Practice Test have both been passed with 80% accuracy.**

**Transition 4: By the end of the Eighth Semester, the candidate should:  
Satisfy all requirements for Texas Teacher Certification  
Graduate from the Educator Preparation Program**

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES  
MATHEMATICS 4-8 SPECIALTY TRACK  
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM* (STANDARD)	SPECIALTY (MATH)	OTHER REQUIREMENTS
44 credits	42 credits	39 credits
ENG 131 (3)**	<b>Relative to</b>	PE 1xx (1)
ENG 132 (3)	<b>Specialty:</b>	FS 102 (1)
SC 135 or 136 (3)	MATH 134 (3)	GEOG 132 (3)
MATH 133 (3)	MATH 235 (3)	EDCI 340 (3)
BIOL 143, 143L (4)	MATH 236 (3)	EDCI 347 (3)
PHYS 101 (4)	MATH 241 (4)	BIOL 131, 111 (4)
ENG 230 (3)	MATH 242 (4)	BIOL 132, 112 (4)
ART 131 (3)	MATH 243 (4)	MATH 250 (3)
HIST 231 (3)	<b>Professional</b>	MATH 331 (3)
HIST 232 (3)	<b>Development:</b>	MATH 473 (3)
POLS 231 (3)	EDCI 310 (3)	RDG 400 (3)
POLS 232 (3)	EDCI 328 (3)	RDG 401 (3)
PSY 131 (3)	EDCI 339 (3)	SPED 370 (3)
EDCI 210 (3)***	EDCI 350 (3)	ELECTIVE (Any two hour course)
	EDCI 330 or 430 (3)	
	EDCI 450 (6)	

\* Students should be counseled by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) Represents the number of course credits.

\*\*\* Not Equivalent to CS 116.

**College of Education  
Texas Southern University  
Bachelor of Science Degree in Interdisciplinary Studies  
4-8 Mathematics  
Four Year Degree Plan – Total Credits: 125**

	First Semester		Second Semester	
	<b>First Year</b>	ENG 131 Freshman English I	3	ENG 132 Freshman English II
	SC 135 or 136 Business & Professional Communication or Public Address	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Soc. Polit. Hist. of U.S, to 1877	3	GEOG 132 World Regional Geography	3
	MATH 133 College Algebra	3	PHYS 101 Prin. of Physical Science	4
	ART 131 Drawing & Composition I	3	BIOL 143 A Surv. Of Life Sci.	4
	FS 102 Freshman Seminar	1	PE (Any 100-Level Course)	1
		16 hrs		18 hrs

**Transition 0: Before the end of Second Semester the candidate should:**

**Complete THEA with minimum scores of:**

**Reading: 250**

**Math: 230**

**Writing: 220 (Multiple-Choice Section)**

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	EDCI 210 Instructional Technology I	3
	POLS 231 American Polit. System I	3	POLS 232 American Polit. System II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found. Geom., Stat., Prob.	3
	MATH 134 Plane Trigonometry	3	PSY 131 General Psychology	3
		16 hrs		16 hrs

**Transition 1:** Before the end of Fourth Semester, candidate should:  
Be admitted to the Educator Preparation Program.

Third Year	Fifth Semester		Sixth Semester	
	SPED 370 Survey of Exceptional Educ. II	3	EDCI 310 Principles & Foundations of Educ	3
	EDCI 347 Adolescent Development	3	EDCI 339 Classroom Management	3
	EDCI 340 Instructional Technology II	3	MATH 242 Calculus & Analy. Geom. II	4
	MATH 241 Calculus & Analy. Geom. I	4	MATH 250 Linear Algebra	3
	MATH 331 Logic, Sets, and Functions	3	RDG 401 Rdg. For Div. Populations	3
	16 hrs		16 hrs	

**Transition 2:** Before the end of Fifth Semester, candidate should:  
Take and pass Content Representative Form Practice Test.  
Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)

Before the end of Sixth Semester candidate should:  
Take and pass the PPR Representative Form Practice Test.  
Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)  
Take and pass the TExES Content Test.

Fourth Year	Seventh Semester		Eighth Semester	
	EDCI 328 Psy. Of Learn. Growth & Dev.	3	EDCI 450 Direct. Stud. Tch. 4-8	6
	EDCI 350 Instructional Strategies	3	EDCI 430 Integrating Sci., Math., & Health	3
	RDG 400 Content Area Reading	3	Elective (Any two-hour course)	2
	MATH 243 Calculus & Analy. Geom. III	4		
	MATH 473 Probability and Statistics I	3		
	16 hrs		11 hrs	

**Transition 3:** Before the end of the Seventh Semester, the candidate should:  
Take and pass the TExES EC-12 PPR Test.  
Apply for Clinical Practice.

**IMPORTANT NOTE:** Candidate cannot enroll in Clinical Practice until the Content Representative Form Practice Test and the PPR Representative Form Practice Test have both been passed with 80% accuracy.

**Transition 4:** By the end of the Eighth Semester, the candidate should:  
Satisfy all requirements for Texas Teacher Certification  
Graduate from the Educator Preparation Program

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE IN INTERDISCIPLINARY STUDIES  
MATHEMATICS / SCIENCE 4-8 SPECIALTY TRACK  
TOTAL CREDITS REQUIRED: 123**

CORE CURRICULUM* (STANDARD)	SPECIALTY (MATH/SCIENCE)	OTHER REQUIREMENTS
44 credits	45 credits	34 credits
ENG 131 (3)**	<b>Relative to</b>	PE 1xx (1)
ENG 132 (3)	<b>Specialty:</b>	FS 102 (1)
SC 135 or 136 (3)	PHYS 237, 213 (4)	EDCI 340 (3)
MATH 133 (3)	PHYS 238, 214 (4)	EDCI 347 (3)
BIOL 143, 143L (4)	BIOL 343, 345 (4)	SPED 370 (3)
PHYS 101 (4)	CHEM 131, 111 (4)	MATH 134 (3)
ENG 230 (3)	BIOL 131, 111 (4)	MATH 235 (3)
ART 131 (3)	BIOL 347 (4)	MATH 236 (3)
HIST 231 (3)	<b>Professional</b>	MATH 241 (4)
HIST 232 (3)	<b>Development:</b>	GEOG 132 (3)
POLS 231 (3)	EDCI 310 (3)	RDG 400 (3)
POLS 232 (3)	EDCI 328 (3)	RDG 401 (3)
PSY 131 (3)	EDCI 339 (3)	ELECTIVE (Any one hour course)
EDCI 210 (3)***	EDCI 350 (3)	
	EDCI 402 or 430 (3)	
	EDCI 450 (6)	

\* Students should be counseled by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Not Equivalent to CS 116.

**College of Education  
Texas Southern University  
Bachelor of Science Degree Interdisciplinary Studies  
4-8 Mathematics/Science  
Four Year Degree Plan - Total Credits: 123**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3		ENG 132 Freshman English II
SC 135 or 136 Business & Professional Communication or Public Address	3		PHYS 101 Prin. of Physical Science	4
HIST 231 Social & Political History of the United States to 1877	3		HIST 232 Social & Political History of the United States since 1877	3
BIOL 143 Survey of Life Science	4		MATH 134 Plane Geometry	3
MATH 133 College Algebra	3		PE (Any 100-Level Course)	1
FS 102 Freshman Seminar	1		ART 131 Drawing and Comp. I	3
	17 hrs			17 hrs

**Transition 0: Before the end of Second Semester the candidate should:**

**Complete THEA with minimum scores of:**

**Reading: 250**

**Math: 230**

**Writing: 220 (Multiple-Choice Section)**

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POLS 231 American Polit. System I	3	POLS 232 American Polit. System II	3
	BIOL 131 Biological Science I Lec	3	CHEM 131 Gen. Chemistry I	3
	BIOL 111 Biological Science I Lab	1	CHEM 111 Gen. Chemistry I Lab.	1
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found. Geom., Stat., Prob.	3
	EDCI 210 Instructional Technology I	3	PSY 131 General Psychology	3
		16 hrs		16 hrs

**Transition 1: Before the end of Fourth Semester, candidate should:  
Be admitted to the Educator Preparation Program.**

Third Year	Fifth Semester		Sixth Semester	
	SPED 370 Survey of Exceptional Educ. II	3	EDCI 310 Principles & Foundations of Educ.	3
	EDCI 340 Instructional Technology II	3	EDCI 339 Classroom Management	3
	EDCI 347 Adolescent Development	3	BIOL 347 Microbiology	4
	MATH 241 Calculus & Analy. Geom. I	4	PHYS 237 College Physics I	3
	BIOL 343 Ecology (Must take with lab)	3	PHYS 213 College Physics Lab I	1
	BIOL 345 Ecology Lab	1	RDG 401 RDG for Diverse Populations	3
	17 hrs		17 hrs	

**Transition 2: Before the end of Fifth Semester, candidate should:  
Take and pass Content Representative Form Practice Test.  
Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)**

**Before the end of Sixth Semester candidate should:  
Take and pass the PPR Representative Form Practice Test.  
Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)  
Take and pass the TExES Content Test.**

Fourth Year	Seventh Semester		Eighth Semester	
	EDCI 328 Psy. Of Learn. Growth & Dev.	3	EDCI 450 Direct. Stud. Teaching, 4-8	6
	EDCI 350 Instructional Strategies	3	EDCI 430 Integrating Sci., Math., & Health	3
	RDG 400 Content Area Reading	3		
	PHYS 238 College Physics II	3		
	PHYS 214 College Physics Lab II	1		
	Elective (Any one hour course)	1		9 hrs
	14 hrs			

**Transition 3: Before the end of the Seventh Semester, the candidate should:  
Take and pass the TExES EC-12 PPR Test.  
Apply for Clinical Practice.**

**IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Practice Test and the PPR Representative Form Practice Test have both been passed with 80% accuracy.**

**Transition 4: By the end of the Eighth Semester, the candidate should:  
Satisfy all requirements for Texas Teacher Certification  
Graduate from the Educator Preparation Program**

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES  
SCIENCE 4-8 SPECIALTY TRACK  
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM* (STANDARD)	SPECIALTY (SCIENCE)	OTHER REQUIREMENTS
44 credits	41 credits	36 credits
ENG 131 (3)**	<b>Relative to</b>	PE 1xx (1)
ENG 132 (3)	<b>Specialty:</b>	FS 102 (1)
SC 135 or 136 (3)	BIOL 131, 111 (4)	CHEM 131, 111 (4)
MATH 133 (3)	BIOL 132, 112 (4)	GEOG 132 (3)
BIOL 143, 143L (4)	BIOL 343, 345 (4)	SPED 370 (3)
PHYS 101 (4)	BIOL 347 (4)	EDCI 340 (3)
ENG 230 (3)	PHYS 237, 213 (4)	EDCI 347 (3)
ART 131 (3)		MATH 235 (3)
HIST 231 (3)	<b>Professional</b>	MATH 236 (3)
HIST 232 (3)	<b>Development:</b>	RDG 400 (3)
POLS 231 (3)	EDCI 310 (3)	RDG 401(3)
POLS 232 (3)	EDCI 328 (3)	PHYS 238, 214 (4)
PSY 131 (3)	EDCI 339 (3)	ELECTIVE (Any two hour course)
EDCI 210 (3)***	EDCI 350 (3)	
	EDCI 402 or 430 (3)	
	EDCI 450 (6)	

\* Students should be counseled by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Not Equivalent to CS 116.

**College of Education  
Texas Southern University  
Bachelor of Science Degree in Interdisciplinary Studies  
4-8 Science (Nationally Recognized)  
Four Year Degree Plan – Total Credits: 121**

	First Semester		Second Semester	
	<b>First Year</b>	ENG 131 Freshman English I	3	ENG 132 Freshman English II
	SC 135 or 136 Business & Professional Communication or Public Address	3	HIST 232 Social & Political History of the United States to 1877	3
	PSY 131 General Psychology	3	PHYS 101 Prin. of Physical Science	4
	HIST 231 Soc. Polit. Hist. of U.S. to 1877	3	ART 131 Drawing & Composition	3
	BIOL 143 A Surv. Of Life Sci.	4	MATH 133 College Algebra	3
	FS 102 Freshman Seminar	1	PE (Any 100-Level Course)	1
		17 hrs		17 hrs

**Transition 0: Before the end of Second Semester the candidate should:**

**Complete THEA with minimum scores of:**

**Reading: 250**

**Math: 230**

**Writing: 220 (Multiple-Choice Section)**

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POLS 231 American Polit. System I	3	POLS 232 American Polit. System II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found. Geom., Stat., Prob.	3
	EDCI 210 Instructional Technology I	3	EDCI 340 Instructional Technology II	3
		16 hrs		16 hrs

**Transition 1:** Before the end of Fourth Semester, candidate should:  
Be admitted to the Educator Preparation Program.

Third Year	Fifth Semester		Sixth Semester	
	CHEM 131 Gen. Chemistry I	3	EDCI 310 Principles & Foundations of Educ	3
	CHEM 111 Gen. Chemistry Lab	1	EDCI 339 Classroom Management	3
	SPED 370 Survey of Exceptional Educ. II	3	BIOL 343 Ecology	3
	EDCI 347 Adolescent Development	3	BIOL 345 Ecology Lab	1
	PHYS 236 College Physics I	3	PHYS 237 College Physics II	3
	PHYS 213 College Physics I Lab	1	PHYS 214 College Physics Lab II	1
	Elective (Any two-hour course)	2		
	16 hrs		14 hrs	

**Transition 2:** Before the end of Fifth Semester, candidate should:  
Take and pass Content Representative Form Practice Test.  
Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)

Before the end of Sixth Semester candidate should:  
Take and pass the PPR Representative Form Practice Test.  
Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)  
Take and pass the TExES Content Test.

Fourth Year	Seventh Semester		Eighth Semester	
	EDCI 328 Psy. Of Learn. Growth & Dev.	3	EDCI 450 Direct. Stud. Tch. 4-8	6
	EDCI 350 Instructional Strategies	3	EDCI 430 Integrating Sci., Math., & Health	3
	RDG 400 Content Area Reading	3		
	BIOL 347 Microbiology	4		
	RDG 401 Rdg. For Div. Populations	3		
	16 hrs		9 hrs	

**Transition 3:** Before the end of the Seventh Semester, the candidate should:  
Take and pass the TExES EC-12 PPR Test.  
Apply for Clinical Practice.

**IMPORTANT NOTE:** Candidate cannot enroll in Clinical Practice until the Content Representative Form Practice Test and the PPR Representative Form Practice Test have both been passed with 80% accuracy.

**Transition 4:** By the end of the Eighth Semester, the candidate should:  
Satisfy all requirements for Texas Teacher Certification  
Graduate from the Educator Preparation Program



**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES  
SOCIAL STUDIES 4-8 SPECIALTY TRACK  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM* (STANDARD)	SPECIALTY (SOC. STU.)	OTHER REQUIREMENTS
44 credits	39 credits	39 credits
ENG 131 (3)**	<b>Relative to</b>	PE 1xx (1)
ENG 132 (3)	<b>Specialty:</b>	FS 102 (1)
SC 135 or 136 (3)	HIST 371 (3)	GEOG 132 (3)
MATH 133 (3)	HIST 451 (3)	BIOL 131, 111 (4)
BIOL 143, 143L (4)	SOC 238(3)	BIOL 132, 112 (4)
PHYS 101 (4)	SOC 335 (3)	SPED 370 (3)
ENG 230 (3)	GEOG 331 (3)	EDCI 340 (3)
MUSI 131 (3)	GEOG 332 (3)	EDCI 347 (3)
HIST 231 (3)	<b>Professional</b>	ECON 315 (3)
HIST 232 (3)	<b>Development:</b>	MATH 235 (3)
POLS 231 (3)	EDCI 310 (3)	MATH 236 (3)
POLS 232 (3)	EDCI 328 (3)	RDG 401 (3)
PSY 131 (3)	EDCI 329 (3)	RDG 400 (3)
EDCI 210 (3)***	EDCI 339 (3)	ELECTIVE (Any two hour course)
	EDCI 350 (3)	
	EDCI 450 (6)	

\* Students should be counseled by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) Represents the number of course credits.

\*\*\* Not Equivalent to CS 116.

**College of Education  
Texas Southern University  
Bachelor of Science Degree Interdisciplinary Studies  
4-8 Social Studies (Nationally Recognized)  
Four Year Degree Plan - Total Credits: 122**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3		ENG 132 Freshman English II
SC 135 or 136 Business & Professional Communication or Public Address	3		PHYS 101 Prin. of Physical Science	4
HIST 231 Social & Political History of the United States to 1877	3		HIST 232 Social & Political History of the United States to 1877	3
PSY 131 General Psychology	3		MUSI 131 Introduction to Music	3
BIOL 143 A Surv. Of Life Sci.	4		MATH 133 College Algebra	3
FS 102 Freshman Seminar	1		PE (Any 100-Level Course)	1
	17 hrs			17 hrs

**Transition 0: Before the end of Second Semester the candidate should:**

**Complete THEA with minimum scores of:**

**Reading: 250**

**Math: 230**

**Writing: 220 (Multiple-Choice Section)**

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	EDCI 210 Instructional Technology I	3
	POLS 231 American Polit. System I	3	POLS 232 American Polit. System II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found. Geom., Stat., Prob.	3
	GEOG 132 World Regional Geography	3	SOC 238 Introduction to Anthropology	3
		16 hrs		16 hrs

**Transition 1:** Before the end of Fourth Semester, candidate should:  
Be admitted to the Educator Preparation Program.

Third Year	Fifth Semester		Sixth Semester	
	SPED 370 Survey of Exceptional Educ. II	3	EDCI 310 Principles & Foundations of Educ	3
	EDCI 347 Adolescent Development	3	EDCI 339 Classroom Management	3
	EDCI 340 Instructional Technology II	3	GEOG 332 Economic Geography	3
	GEOG 331 Geography of Texas	3	SOC 335 Ethnic Groups in Society	3
	ECON 315 Environmental Economics	3	HIST 451 Mexican American History	3
	HIST 371 Texas History	3	ELECTIVE (Any two hour course)	2
	18 hrs		17 hrs	

**Transition 2:** Before the end of Fifth Semester, candidate should:  
Take and pass Content Representative Form Practice Test.  
Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)

Before the end of Sixth Semester candidate should:  
Take and pass the PPR Representative Form Practice Test.  
Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)  
Take and pass the TExES Content Test.

Fourth Year	Seventh Semester		Eighth Semester	
	EDCI 328 Psy. Of Learn. Growth & Dev.	3	EDCI 450 Direct. Stud. Teaching, 4-8	6
	EDCI 350 Instructional Strategies	3	RDG 401 Rdg. For Div. Populations	3
	EDCI 329 Social Studies Strategies	3		
	RDG 400 Content Area Reading	3		
		12 hrs		9 hrs

**Transition 3:** Before the end of the Seventh Semester, the candidate should:  
Take and pass the TExES EC-12 PPR Test.  
Apply for Clinical Practice.

**IMPORTANT NOTE:** Candidate cannot enroll in Clinical Practice until the Content Representative Form Practice Test and the PPR Representative Form Practice Test have both been passed with 80% accuracy.

**Transition 4:** By the end of the Eighth Semester, the candidate should:  
Satisfy all requirements for Texas Teacher Certification  
Graduate from the Educator Preparation Program

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES  
ALL LEVEL SPECIAL EDUCATION SPECIALTY TRACK  
TOTAL CREDITS REQUIRED: 123**

CORE CURRICULUM* (STANDARD)	SPECIALTY (SPEC. EDUCATION)	OTHER REQUIREMENTS
<b>44 credits</b>	<b>48 credits</b>	<b>31 credits</b>
ENG 131 (3)**	<b>Relative to</b>	PE 1xx (1)
ENG 132 (3)	<b>Specialty:</b>	FS 102 (1)
SC 135 or 136 (3)	SPED 309 (3)	EDCI 340 (3)
MATH 133 (3)	SPED 370 (3)	MATH 235 (3)
BIOL 143, 143L (4)	SPED 401 (3)	MATH 236 (3)
PHYS 101 (4)	SPED 402 (3)	RDG 301 (3)
ENG 230 (3)	SPED 403 (3)	RDG 401 (3)
ART 131 (3)	SPED 404 (3)	EDCI 347 (3)
HIST 231 (3)	SPED 405 (3)	BIOL 131, 111 (4)
HIST 232 (3)	SPED 406 (3)	SOC 257 (3)
POLS 231 (3)	<b>Professional</b>	GEOG 132 (3)
POLS 232 (3)	<b>Development:</b>	ELECTIVE (Any one hour course)
PSY 131 (3)	EDCI 310 (3)	
EDCI 210 (3)***	EDCI 328 (3)	
	EDCI 339 (3)	
	EDCI 350 (3)	
	EDCI 405 (3)	
	EDCI 430 (3)	
	EDCI 463 (6)	

\* Students should be counseled by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Not Equivalent to CS 116.

**College of Education  
Texas Southern University  
Bachelor of Science Degree in Interdisciplinary Studies  
Special Education All Levels  
Four Year Degree Plan – Total Credits: 123**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
SC 135 or 136 Business & Professional Communication or Public Address	3	HIST 232 Social & Political History of the United States to 1877	3	
HIST 231 Soc. Polit. Hist. of U.S. to 1877	3	PHYS 101 Prin. Of Physical Science	4	
BIOL 143 A Surv. Of Life Sci.	4	MATH 133 College Algebra	3	
ART 131 Drawing & Composition	3	PSY 131 General Psychology	3	
PE (Any 100-Level Course)	1	FS 102 Freshman Seminar	1	
	17 hrs		17 hrs	

**Transition 0: Before the end of Second Semester the candidate should:**

**Complete THEA with minimum scores of:**

**Reading: 250**

**Math: 230**

**Writing: 220 (Multiple-Choice Section)**

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POLS 231 American Polit. System I	3	POLS 232 American Polit. System II	3
	BIOL 131 Biological Science I Lec	3	SOC 257 School Sociology	3
	BIOL 111 Biological Science I Lab	1	MATH 236 Found. Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	SPED 309 Survey of Exceptional Educ. I	3
	EDCI 210 Instructional Technology I	3	SPED 370 Survey of Exceptional Educ. II	3
		16 hrs		18 hrs

**Transition 1:** Before the end of Fourth Semester, candidate should:  
Be admitted to the Educator Preparation Program.

Third Year	Fifth Semester		Sixth Semester	
	SPED 403 Educational Procedures I	3	EDCI 310 Principles & Foundations of Educ.	3
	SPED 405 Educational Procedures II	3	EDCI 339 Classroom Management	3
	RDG 301 Basic Concepts of Reading	3	EDCI 405 Integrated L.A., Soc. St., & F. A.	3
	EDCI 340 Instructional Technology II	3	SPED 402 Assessment Practices	3
	EDCI 347 Adolescent Development	3	SPED 404 Managing Behaviors	3
	ELECTIVE (Any one hour course)	1	SPED 406 Sch./Comm. Collab. For Spec. Ed.	3
	16 hrs		18 hrs	

**Transition 2:** Before the end of Fifth Semester, candidate should:  
Take and pass Content Representative Form Practice Test.  
Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)

Before the end of Sixth Semester candidate should:  
Take and pass the PPR Representative Form Practice Test.  
Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)  
Take and pass the TExES Content Test.

Fourth Year	Seventh Semester		Eighth Semester	
	EDCI 328 Psy. Of Learn. Growth & Dev.	3	EDCI 463 Direct. Stud. Tch. Spec. Ed.	6
	EDCI 350 Instructional Strategies	3	RDG 401 Rdg. For Div. Populations	3
	SPED 401 Field Experiences in Spec. Ed.	3		
	EDCI 430 Integrating Sci., Math., & Health	3		
	12 hrs		9 hrs	

**Transition 3:** Before the end of the Seventh Semester, the candidate should:  
Take and pass the TExES EC-12 PPR Test.  
Apply for Clinical Practice.

**IMPORTANT NOTE:** Candidate cannot enroll in Clinical Practice until the Content Representative Form Practice Test and the PPR Representative Form Practice Test have both been passed with 80% accuracy.

**Transition 4:** By the end of the Eighth Semester, the candidate should:  
Satisfy all requirements for Texas Teacher Certification  
Graduate from the Educator Preparation Program

## DEPARTMENT OF HEALTH AND KINESIOLOGY

The Department of Health and Kinesiology offers courses in Health (HED), Human Performance (PE), Recreation & Leisure Studies (RECL), Sport Management (SPMT), three undergraduate degrees, and two graduate degrees. The Bachelor of Science (B.S.) in Health Studies, Bachelor of Science (B.S.) in Human Performance, and Bachelor of Science (B.S.) in Sport Management are offered on the undergraduate level; the Master of Science (M.S.) in Health Education and the Master of Science (M.S.) in Human Performance are offered at the graduate level. The Department offers four minors, one in Health Studies, one in Human Performance, one in Recreation & Leisure Studies, and one in Sport Management, for students pursuing undergraduate degrees in other instructional units at the University. Students may also earn Teacher Certification for the state of Texas either in Health Studies or Human Performance through the Educator Preparation Program in the College of Education in conjunction with the two undergraduate degrees offered. Members of the Department and department facilities are located in the Health and Physical Education Building with the Department Office located in Room 103.

Students who are interested in detailed information regarding the Master of Science in Health Education and Master of Science in Human Performance should consult the Graduate School Bulletin of Texas Southern University.

The primary mission of the Department of Health and Kinesiology is to prepare students for entry into the workforce and for graduate study. A secondary mission is to ensure that all students matriculating through the University have an understanding of the importance of wellness and health-related fitness upon society.

In pursuing either the B.S. in Health Studies, the B.S. in Human Performance or the B.S. in Sport Management, there are several tracks of study, two tracks for the B.S. in Health Studies, four tracks for the B.S. in Human Performance and five tracks for the B.S. in Sport Management. Completion of the B.S. in Health Studies – EC-12 (Option I, Track I), the B.S. in Human Performance – All Levels Teaching (Option II, Track I), and B.S. in Human Performance/Athletic Training – All Levels Teaching (Option II, Track II), require matriculating students to be admitted to the Educator Preparation Program in the College of Education. Completion of the B.S. in Health Studies – non-teaching (Option I, Track II), the B.S. in Human Performance/Athletic Training – non-teaching (Option II, Track III) and the B.S. in Human Performance/Recreation & Leisure Studies – non-teaching (Option II, Track IV), requires an externship. Both Athletic Training options, tracks II and III also require a mandatory 1800 hour internship working under a certified/licensed athletic trainer and the matriculating student will be prepared to sit for the licensure examination administered by the Advisory Board of Athletic Trainers for the state of Texas. Completion of the B.S. in Sport Management/Business (Option III, Track I), B.S. in Sport Management/Health (Option III, Track II), B.S. in Sport Management/Human Performance (Option III, Track III), B.S. in Sport Management/Journalism (Option III, Track IV), and B.S. in Sport Management/Radio, Television, Film (Option III, Track V) require an externship.

Requirements for the B.S. in Health Studies, B.S. in Human Performance, B.S. in Sport Management and the three minors (Health Studies, Human Performance and Sport Management) are summarized. Interested students must first be admitted to the University, must satisfy the THEA requirements, must eradicate deficiencies assessed at the time of admission through the Office of Student Success Services, and must petition the Department as THEA requirements are completed. Students are admitted after review by a departmental committee; and, once admitted, they are assigned an official advisor who should be consulted on a semester or term basis and who will guide those students in need of being admitted to the Education Preparation Program in that process. The advisor will also advise students with regard to their status for graduation as they enter and complete the senior year. After completion of PE 112, PE 211, PE 212, PE 127, PE 233, and PE 235 during the sophomore year, Human Performance majors will be administered a departmental diagnostic comprehensive examination in PE 302. **All requirements for the Educator Preparation Program must be met (consult previous section of this document under the College of Education), and students must have an overall GPA of 2.50 or better to graduate. Courses designated as major courses must be completed with grades of “C” or better, where grades of “C-“ are unacceptable, and grade restrictions referenced for the Educator Preparation Program must also be adhered to. Prior to graduation, a comprehensive departmental exit examination is administered to seniors.**

**For the minor in Health Studies, 21 semester credit hours are required through enrollment in the following courses in the Department:** HED 234 (3 credits), HED 335 (3 credits), HED 340 (3 credits), HED 432 (3 credits), HED 433 (3 credits), HED 471 (3 credits), and HED 477 (3 credits). **BIOL 245 (4 credits) and PE 102 (1 credit) are cognate courses that must also be completed in conjunction with the 21 credits.** Grades of “C” or better, where grades of “C-“ are not acceptable, must be earned in all classes making up the 21 credits and in the two cognate courses.

**For the minor in Human Performance, 21 semester credit hours are required through enrollment in the following courses in the Department:** PE 127 (3 credits), PE 211 (1 credit), PE 212 (1 credit), PE 235 (3 credits), PE 302 (3 credits), PE 324 (2 credits), PE 327 (2 credits), PE 336 (3 credits), and PE 437 (3 credits). **In addition, BIOL 245 (4 credits and HED 333 (3 credits) must be completed as cognate courses along with the 21 hours specified.** Grades of “C” or better, where grades of “C-“ are not acceptable, must be earned in all classes making up the 21 credits and in the two cognate courses.

**For the minor in Recreation & Leisure Studies, 21 semester credit hours are required through enrollment in the following courses in the Department:** RECL 234 (3 credits), RECL 332 (3 credit), RECL 332 (3 credit), RECL 335 (3 credits), RECL 373 (3 credits), and RECL 379 (3 credits) as well as RECL 434 (3 credits) or RECL 476 (3 credits). **In addition, BIOL 245 (4 credits and HED 333 (3 credits) must be completed as cognate courses along with the 21 hours specified.** Grades of “C” or better, where grades of “C-“ are not acceptable, must be earned in all classes making up the 21 credits and in the two cognate courses.

**For the minor in Sport Management, 21 semester credit hours are required through enrollment in the following courses in the Department:** SPMT 134 (3 credits), SPMT 135 (3 credits), SPMT 273 (3 credits), SPMT 279 (3 credits), SPMT 332 (3 credits), and SPMT 333 (3 credits) as well as SPMT 434 or SPMT 476 (3 credits). **In addition, PE 127 (3 credits) must be completed as a cognate course along with the 21 hours specified.** Grades of “C” or better, where grades of “C-“ are not acceptable, must be earned in all classes making up the 21 credits and in the cognate course.

Students who need to earn teacher certification in a supporting teaching field may earn this additional certification in either Health Studies or Human Performance through the Department. All requirements for the Educator Preparation Program, including grade requirements, must be met in seeking these additional certifications.

**For the supporting certification in Health Studies, 24 semester credit hours are required in the Department** through enrollment in the following three-credit courses: HED 234, HED 333, HED 340, HED 432, HED 433, HED 436, HED 471, and HED 477. **The cognate courses of BIOL 245 and HED 399 are also required.**

**For the supporting certification in Human Performance, 24 semester credit hours are required in the Department** through enrollment in the following three-credit courses: PE 127, PE 233, PE 337, PE 338, PE 339, PE 378, PE 437, and one additional upper-level PE course. **The cognate courses of BIOL 245, HED 333, and PE 399 are also required.**

**Students wishing to pursue either a minor or certification in a supporting teaching field offered, just as those pursuing majors, must also petition the Department for admission. All students enrolled in Human Performance (PE) activity courses must purchase and wear a required uniform for activities.**

Degree requirements are summarized below for the B.S. in Health Studies, B.S. in Human Performance, and B.S. in Sport Management; however, students admitted to the Department who pursue these supporting degrees must seek advisement from their assigned faculty advisor because of the frequency with which certification requirements change as dictated by the state of Texas.

In summary, students who gain admission to the University must meet THEA responsibility, must petition the Department for admission; and must qualify for the Educator Preparation Program if their degree requirements lead to teacher certification. Requirements for the Educator Preparation Program should be reviewed by all interested students. Additional information may be obtained from the Department Office at (713) 313-7087.

**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Cavil, Jafus</b>  <b>Assistant Professor</b>                      B.S., Prairie View A &amp; M University                      M.Ed., Prairie View A &amp; M University                      M.S., Texas Southern University                      M.B.A., Texas Southern University                      Ed.D., Texas Southern University</p>	<p><b>Moreland, Robert</b>  <b>Assistant Professor</b>                      B.S., Tougaloo College                      M.S., Indiana University                      Director of Physical Education, Indiana University</p>
<p><b>Duncan, Clyde</b>  <b>Instructor</b>                      B.S., M.S., Texas Southern University</p>	<p><b>Meshack, Angela</b>  <b>Assistant Professor</b>                      B.S., University of Houston                      M.P.H., University of Texas School of Public Health                      Dr.PH., University of Texas School of Public Health</p>
<p><b>Fisher, Dwalah</b>  <b>Assistant Professor</b>                      B.S., M.S., Ed.D., Texas Southern University</p>	<p><b>Osueke, Samuel</b>  <b>Professor</b>                      B.S., University of Ife, Nigeria                      M.S., Texas Southern University                      DrPH., University of Texas School of Public Health</p>
<p><b>Floyd, Gabrielle</b>  <b>Visiting Instructor</b>                      B.S., M.S., Texas Southern University</p>	<p><b>Owlia, Gholamali</b>  <b>Professor</b>                      B.S., University of Iran Isfahan                      M.S., Texas Southern University                      Ph.D., Texas Woman's University</p>
<p><b>Harvey, John</b>  <b>Instructor</b>                      B.S., Wiley College                      M.S., Prairie View A &amp; M University</p>	<p><b>Randle, Earnestine</b>  <b>Assistant Professor</b>                      B.S., M.S., Ed.D., Texas Southern University</p>
<p><b>Horton, Marie</b>  <b>Associate Professor</b>                      B.S., Dillard University                      M.S., Texas Woman's University                      Ed.D., Texas Southern University</p>	<p><b>Reynolds, Lacey</b>  <b>Assistant Professor</b>                      B.S., Mississippi Industrial College                      M.S., Delta State University                      Ed.D., Texas Southern University</p>
<p><b>Hurst, Jesse</b>  <b>Assistant Professor</b>                      B.S., Oklahoma State University                      M.S., Prairie View A &amp; M University                      Ed.D., Texas Southern University</p>	<p><b>Thomas, William</b>  <b>Instructor</b>                      B.S., M.S., Tennessee State University</p>

## HEALTH COURSES (HED)

HED 223	<b>Basic CPR</b> (2) Basic concepts in cardiopulmonary resuscitation, certification in basic cardiac life support. One hour of lecture and two hours of laboratory per week.
HED 233	<b>History and Principles of Health</b> (2) Discussion of the historical and philosophical development of health. Consideration given to those illnesses and health hazards of major significance and concern in contemporary society. Two hours of lecture per week. <b>Listed as PHED 1206 in the Texas Common Course Numbering System.</b>
HED 234	<b>History and Biological Function</b> (3) Organizational components of the human body; types of diseases; biological defense mechanisms, healing processes; and human biological growth and development. Three hours of lecture per week.
HED 333	<b>Emergency and Care of Injuries</b> (3) Reinforcement of first aid and emergency care principles and concepts in challenging and motivational presentations. Three hours of lecture per week.
HED 335	<b>Problems in Community Health</b> (3) In-depth study of contemporary community health problems encountered in an area of diverse ethnicity and mobility. Emphasis on the biological, psychological, and socioeconomic factors that impact disease and levels of wellness. Three hours of lecture per week.
HED 336	<b>Organization and Administration of Health Programs</b> (3) Analysis of the organizational structure, administrative policies, and management styles of official and non-official agencies at the local, state, and national levels. Three hours of lecture per week.
HED 338	<b>Sexually Transmitted Diseases</b> (3) Overview of the causes, treatment, and prevention of sexually transmitted diseases, including socioeconomic variables. Three hours of lecture per week. <b>Offered as needed.</b>
HED 339	<b>Diseases and Consumer Health</b> (3) Factual, scientifically-based information about diseases, medical goods, and services with an analysis of issues and strategies undertaken by consumers and providers to bring about changes in health systems and society. Three hours of lecture per week.
HED 340	<b>Environmental and Public Health</b> (3) Identification of environmental health hazards associated with the home and workplace along with consideration of human environment interactions in modern society. Three hours of lecture per week.
HED 399	<b>Health Seminar</b> (2) Discussion of topics of current relevance with the main focus on local health problems. Presentation of outstanding speakers in the areas of school and community health. Two hours of lecture per week. <b>Majors only.</b> Prerequisite: Junior standing.
HED 432	<b>Fitness for Living</b> (3) Considers the influence of exercise, rest, fitness, and lifelong activity in prevention of behavior-related problems and benefits of health and wellness promotion activities. Three hours of lecture per week.
HED 433	<b>Personal Health and Safety I</b> (3) Identification of current problems relating to family relations, marriage styles, the changing family, social hygiene, chemical use and abuse and the effects on the individual and society. Three hours of lecture per week.
HED 434	<b>Mental Hygiene</b> (3) Examination of the basic problems of mental hygiene encountered in the community. Consideration given to emotional problems of childhood, adolescence, and adulthood. Three hours of lecture per week.



HED 435	<b>International Health Issues</b>	(3)
	Discussion of health issues in other countries, as compared to the United States, with implications considered for global impact. Three hours of lecture per week. <b>Offered as needed.</b>	
HED 436	<b>Hygiene of the School Child</b>	(3)
	In-depth study of the combination of factors affecting the health of children and adolescents and the impact of lifestyles on human growth and development. Three hours of lecture per week.	
HED 437	<b>Health Economics</b>	(3)
	Discussion of the issues of optimum health and well-being and the cost to government, providers and consumers. Alternative methods of health care delivery and funding mechanisms considered. Three hours of lecture per week. <b>Offered as needed.</b>	
HED 438	<b>Hygiene of Children and Adolescents</b>	(3)
	Study of the conditions found in childhood and adolescence and preventive measures to reduce the incidence and severity of these. Consideration of the control of risk factors and how lifestyle modification impacts development. Three hours of lecture per week. <b>Offered as needed.</b>	
HED 439	<b>Review of Selected Health Materials</b>	(3)
	Study of published health materials available to the public to determine scientific accuracy and degree of value to consumers and professionals in the field. Three hours of lecture per week. <b>Offered as needed.</b>	
HED 471	<b>Personal Health and Safety II</b>	(3)
	Health problems associated with alcohol, tobacco, and narcotics use and the impact of such behavior on society's safety, economics, and health with implications for health promotion. Three hours of lecture per week.	
HED 472	<b>Foundations of Safety</b>	(3)
	Study of the basic assumptions that aid in understanding situations related to safety in the world in which we live. Emphasis on human interactions and mutual impact. Three hours of lecture per week.	
HED 477	<b>Human Sexuality</b>	(3)
	Examination of the biological, psychological, and cultural dimensions of sexuality, exploration of controversial issues surrounding human sexuality as they impact human well-being and quality of life. Three hours of lecture per week.	
HED 499	<b>Supervised Individual Work/Research in Community Health</b>	(6)
	Directed internship with local health agencies or programs that includes close supervision and seminars. Emphasis on improving professional competency in students and assisting them in relating theory to practice. One hour of lecture and five hours of laboratory per week. Prerequisite: <b>MAJORS ONLY</b> . Senior standing.	

#### HUMAN PERFORMANCE COURSES (PE)

The following Human Performance courses, with the exception of PE 111 and PE 112, may be used to satisfy "Other Requirements" in the various undergraduate degree plans referenced in other departments of the University:

PE 100	<b>Water Aerobics</b>	(1)
	Aerobic activities conducted in water. Two hours of laboratory per week.	
PE 101	<b>Bowling</b>	(1)
	Study and practice of the basic techniques, scoring, and history of bowling. Two hours of laboratory per week.	
PE 102	<b>Physical Fitness</b>	(1)
	Study and practice of physical fitness activities and the effects of exercise on systems of the human body. Two hours of laboratory per week. <b>Listed as PHED 1164 in the Texas Common Course Numbering System.</b>	

<b>PE 103</b>	<b>Racquetball</b> Basic activity course in racquetball. Two hours of laboratory per week.	<b>(1)</b>
<b>PE 104</b>	<b>Intermediate Racquetball</b> Advanced techniques and skills for racquetball. Two hours of laboratory per week. Prerequisite: PE 103. <b>Offered as needed.</b>	<b>(1)</b>
<b>PE 106</b>	<b>Intermediate Bowling</b> Advanced techniques and skills for bowling. Two hours of laboratory per week. Prerequisite: PE 101. <b>Offered as needed.</b>	<b>(1)</b>
<b>PE 107</b>	<b>Walking, Jogging, and Fitness Appraisal</b> Fitness techniques for walking and jogging as a life long activity. Two hours of laboratory per week.	<b>(1)</b>
<b>PE 108</b>	<b>Modern Dance I</b> Fundamentals of modern dance providing an opportunity for students to develop techniques, aesthetic appreciation, and creativity. Two hours of laboratory per week. <b>Listed as DANC 1145 in the Texas Common Course Numbering System.</b>	<b>(1)</b>
<b>PE 109</b>	<b>Modern Dance II</b> Continuation of PE 108. Two hours of laboratory per week. <b>Listed as DANC 1146 in the Texas Common Course Numbering System.</b>	<b>(1)</b>
<b>PE 110</b>	<b>Folk and Square Dance</b> Dance instruction providing experiences in international folk dances, square dances, and folklore. Two hours of laboratory per week.	<b>(1)</b>
<b>PE 111</b>	<b>Team Sports I</b> Theory, rules, and practice of soccer, flag/touch football, and volleyball. Three hours of laboratory per week. <b>Restricted to majors.</b>	<b>(1)</b>
<b>PE 112</b>	<b>Team Sports II</b> Theory, rules, and practice of basketball, field hockey, and softball. Three hours of laboratory per week. <b>Restricted to majors.</b>	<b>(1)</b>
<b>PE 113</b>	<b>Speedball and Soccer</b> Advanced techniques and skills for speedball and soccer. Two hours of laboratory per week.	<b>(1)</b>
<b>PE 115</b>	<b>Volleyball and Basketball</b> Theory and practice in basketball and volleyball fundamentals. Two hours of laboratory per week.	<b>(1)</b>
<b>PE 116</b>	<b>Touch Football and Track</b> Theory and practice in touch/flag football and track fundamentals. Two hours of laboratory per week.	<b>(1)</b>
<b>PE 117</b>	<b>Swimming</b> Instruction in basic swimming strokes. Two hours of laboratory per week.	<b>(1)</b>
<b>PE 118</b>	<b>Golf</b> Fundamentals and techniques of golf. Two hours of laboratory per week.	<b>(1)</b>
<b>PE 119</b>	<b>Tennis and Badminton</b> Fundamentals and techniques of tennis and badminton. Two hours of laboratory per week.	<b>(1)</b>
<b>PE 120</b>	<b>Adapted Activities I</b> Adapted activities for students unable to participate in regular human performance classes. Two hours of laboratory per week. <b>Physician's statement required.</b>	<b>(1)</b>

PE 121	<b>Adapted Activities II</b> Continuation of PE 120. Two hours of laboratory per week. Prerequisite: PE 120. <b>Physician's statement required.</b>	(1)
PE 122	<b>Aerobic Activities</b> Instruction and practice in basic aerobic activities. Two hours of laboratory per week.	(1)
PE 125	<b>Weight Training</b> Introductory course in the correct use of weights in body development. Two hours of laboratory per week.	(1)
PE 128	<b>Tae Kwon-Do I</b> Fundamental offensive and defensive techniques used in Tae Kwon-Do. Student abilities assessed in relation to the technical and physical requirements of the martial arts. Meditation and mental discipline introduced. Two hours of laboratory per week.	(2)
<b>The following courses do not satisfy "Other Requirements" for the various undergraduate degrees in other departments, but are intended for Human Performance majors and minors.</b>		
PE 123	<b>Football and Basketball</b> Lectures, demonstrations, and practice in advanced skills of football and basketball. Two hours of lecture per week. <b>Offered as needed.</b>	(2)
PE 124	<b>Baseball and Track</b> Lectures, demonstrations, and practice in advanced skills of baseball and track. Two hours of lecture per week. <b>Offered as needed.</b>	(2)
PE 127	<b>Foundations I</b> Basic foundations in human performance, including historical development, philosophical implication, and issues related to movement. Three hours of lecture per week. <b>Listed as PHED 1301 in the Texas Common Course Numbering System.</b>	(3)
PE 211	<b>Individual/Dual Sports and Activities I</b> Theory, rules, and practice of archery, bowling, dance, weight training, and gymnastics/tumbling. <b>MAJORS ONLY</b>	(1)
PE 212	<b>Individual/Dual Sports and Activities II</b> Theory, rules, and practice of track and field, swimming, badminton, wrestling, tennis, golf, and cycling. Three hours of laboratory per week. <b>MAJORS ONLY</b>	(1)
PE 233	<b>Foundations II</b> Continued study of the principles of human performance, including an overview of the status and scope of modern performance programs, activities for children of various ages, and assessment of skills. Three hours of lecture per week. <b>Prerequisite: PE 127.</b>	(3)
PE 235	<b>Introduction to Adapted Physical Education</b> Study of the general organization of programs and exercises for the handicapped. Recreational sports, aquatic skills, and planning procedures included. Three hours of lecture per week.	(3)
PE 300	<b>Athletic Training Practicum/Seminar I</b> Theories and techniques of athletic training and their applications to practical and on-field situations. Students also explore current issues that impact professional practices. Two hours of lecture/laboratory per week. <b>Athletic Training majors only</b>	(3)
PE 301	<b>Athletic Training Practicum II</b> Advanced theories and techniques of athletic training and their applications to practical and on-field situations. Students also explore current issues that impact professional practices. Two hours of lecture/laboratory per week. <b>Prerequisite: PE 300.</b>	(3)

- PE 302 Physical Fitness Programs for Elementary and Secondary Schools (3)**  
Study and practice of fitness activities and the effects of exercise upon systems of the body. Two hours of lecture and one hour of laboratory per week.
- PE 324 Advanced Swimming (2)**  
Completion of requirements for the Red Cross Water Safety Instructor's Certificate. Two hours of laboratory per week. Prerequisite: Current Red Cross Senior Life Saving Certificate.
- PE 327 Advanced Gymnastics (2)**  
Theory and practice in performing pyramid building, stunts, and apparatus activities. Two hours of lecture per week.
- PE 329 Theory and Practice of Coaching and Officiating (2)**  
Theory, practice, rules, mechanics, and strategies of coaching and officiating various sports activities. Two hours of laboratory per week.
- PE 331 Performance Practicum (3)**  
Techniques and theories of sports activities and their applications to practical situations. Three hours of lecture per week.
- PE 332 Coaching and Officiating Sports Activities for Secondary Schools (3)**  
Study of coaching strategies, techniques, and theories of selected sports activities in secondary schools. Three hours of lecture per week.
- PE 333 Coaching and Officiating of Football and Basketball (3)**  
Study of theory, strategy, and mechanics of coaching football and basketball. Emphasis placed on designing coaching strategies. Three hours of lecture per week.
- PE 334 Coaching and Officiating of Baseball and Track (3)**  
Study of theory, strategy, and mechanics of coaching baseball and track. Emphasis placed on designing coaching strategies. Three hours of lecture per week.
- PE 335 Administration of Intramural Sports (3)**  
Techniques for organizing, directing, and supervising intramural p programs of sports activities. Three hours of lecture per week.
- PE 336 Organization and Administration of Physical Education (3)**  
Emphasis on the organization and administration of physical education programs in elementary and secondary schools. Three hours of lecture per week.
- PE 337 Movement Skill Development at the Elementary Level - The PE Program in the Elementary School (3)**  
Principles of and activities for movement education and sports related skills at the elementary school level. Three hours of lecture per week.
- PE 338 Principles and Techniques for Outdoor and Leisure Activities (3)**  
Discussion of techniques and skills required for outdoor and leisure sports. Three hours of lecture per week.
- PE 339 Advanced Techniques, Skills, and Rules for Sports Activities - Fundamentals of Movement (3)**  
Techniques, skills, and rules of sports activities. Three hours of lecture per week.
- PE 370 Athletic Training I (3)**  
Demonstration of and management study of athletic injuries. Two hours of lecture and one hour of laboratory per week.

PE 371	<b>Athletic Training II</b> Fundamental principles and methods for preliminary diagnosis of athletic injuries, including choice of initial treatment and rehabilitation procedures. Two hours of lecture and one hour of laboratory per week. <b>Prerequisite: PE 370.</b>	(3)
PE 372	<b>Therapeutic Exercise Modalities</b> Study of the use, selection, and application of therapeutic modalities in the rehabilitation of athletic injuries. Three hours of lecture per week.	(3)
PE 374	<b>Sociology of Sports</b> Sports and their impact on American society; social organization from play to professional sports; violence; discrimination; women in sports; socialization and implications from participation in sports. Three hours of lecture per week.	(3)
PE 378	<b>Individual Development and Motor Learning</b> Study of the nature of learning factors that affect motor learning and individual development at various skill levels. Two hours of lecture and one hour of laboratory per week.	(3)
PE 379	<b>Facilities and Equipment Management</b> Discussion of skills and logistics necessary for management of sports facilities and related equipment. Three hours of lecture per week. <b>Offered as needed.</b>	(3)
PE 399	<b>Physical Education Seminar</b> Issues and application of organizational and administrative principles of physical education. Two hours of lecture per week. <b>Majors only. Prerequisite: Junior standing.</b>	(2)
PE 432	<b>Rhythms and Games for Elementary School Teachers</b> Planning and execution of acceptable programs of physical education through the use of rhythmic and sports activities for the elementary grade level. Three hours of lecture per week.	(3)
PE 433	<b>Current Problems in Physical Education</b> Study of selected problems and trends in physical education. Three hours of lecture per week.	(3)
PE 434	<b>Administration of Athletics</b> Implementation and evaluation of athletic programs in secondary schools. Three hours of lecture per week. <b>Offered as needed.</b>	(3)
PE 435	<b>Tests and Measurements</b> Theory of measurements in physical education and recreation; selection of appropriate tests; and interpretation of test results through statistical procedures. Three hours of lecture per week.	(3)
PE 437	<b>Kinesiology</b> Scientific study of the skeletal muscles and human movement. Two hours of lecture and one hour of laboratory per week. <b>Prerequisite: BIOL 245.</b>	(3)
PE 438	<b>Physiology of Exercise</b> Study of the effects of exercise upon the systems and organs of the body. Skill, endurance, fatigue, training, and other factors considered as they affect performance. Two hours of lecture and one hour of laboratory per week. <b>Prerequisite: BIOL 245.</b>	(3)
PE 439	<b>Independent Study</b> Research and/or field work on selected projects or topics. Prerequisite: Consent of Advisor or Faculty Chair.	(3)
PE 499	<b>Supervised Individual Work/Research in Athletic Training</b> Directed internship with local sports medicine facilities or programs that include close supervision and seminars. Emphasis on improving professional competency in students and assisting to relate theory to practice. One hour of lecture and five hours of laboratory per week. Prerequisite: <b>Senior standing. Athletic Training majors only</b>	(6)

## RECREATION & LEISURE STUDIES COURSES (RECL)

- RECL 234 Foundations of Recreation, Parks and Leisure Services (3)**  
This course is an introduction to the recreation, parks and leisure profession including the history of recreation, parks and leisure services. Orientation to the variety of services including their settings, services and organization; relationship to public, private or governmental agencies. An overview of career opportunities in the field. Trends in services to various populations.
- RECL 332 Aquatic Facility Management and Waterfront Facility Operations (3)**  
This course is a capstone course intended to provide a bridge from theory to professional practice. Integrates students' learning experiences from their core classes into their professional goals. Students explore their approaches to lifelong learning and make connections as to how a liberal arts background can facilitate currency and relevancy in professional practice and life. Determining a career direction, assuming professional roles and performing actual job responsibilities in a global and diverse world are emphasized. As students prepare for entry into the leisure, sport or wellness profession they are exposed to and practice steps in making decisions with a focus on promoting sound and ethical judgment to create a common good.
- RECL 333 Leisure Studies: Human Diversity and the Environment (3)**  
This course provides a comprehensive overview of the role of leisure in contemporary society. Sociological, economic, psychological and environmental implications of leisure are explored with diverse groups. Societal and lifestyle changes are discussed with a multicultural focus and in relation to their impact on the future of leisure. Personal leisure lifestyles are reviewed and discussed.
- RECL 335 Programming and Promotions in Recreation, Parks and Leisure Services (3)**  
This course analyzes the fundamentals of program planning using techniques of identifying and analyzing program activity areas; content includes program development and application with a variety of population groups and representative leisure service agencies.
- RECL 373 History and Philosophy of Recreation and Leisure Studies (3)**  
This course reviews the historical and theoretical foundations, nature, and significance of recreation and leisure in contemporary society; current trends and prospects for the future. Survey of agencies, organizations, and programs in the leisure service field and the recreation profession.
- RECL 379 Facility Planning and Maintaining Recreation, Park, Leisure Areas and Sport Facilities (3)**  
This course examines the contemporary issues and related administrative practices associated with managing human resources in leisure services. Includes: basic elements, procedures and processes involved in planning, designing, developing and maintaining recreation, park, leisure and sport facilities and areas. Students assess and evaluate existing facilities and areas in terms of functionality, access standards and maintenance operations.
- RECL 399 Professional Development and Capstone Experience in Recreation and Leisure, Sport and Wellness Related Professions (2)**  
This course analyzes the fundamentals of program planning using techniques of identifying and analyzing program activity areas; content includes program development and application with a variety of population groups and representative\_ leisure service agencies. **Majors only. Prerequisite: Junior standing.**
- RECL 434 Management in Recreation, Sport and Leisure Services (3)**  
This course is an introduction to basic concepts of organization, administration, and supervision of leisure service agencies. Application to recreation, parks, sports and leisure agencies is stressed. The administrative functions covered include personnel management, budgets, finance, resource planning, public relations, evaluation, legal issues, policy development, and problem-solving techniques. Essential elements of management systems are reviewed. Emphasizes human resource management and the employment process, personnel policies and procedures, legal issues, supervision, performance appraisal, and technological tools.

**RECL 476 Therapeutic Recreation, Therapeutic Activity Intervention and Aging (3)**  
This course delivers an in-depth study of support and delivery systems, and desirable practices of therapeutic recreational and of concepts associated with the practice of therapeutic recreation, including history, philosophy, professional development and medical terminology, as well as characteristics of illness, disease and disability. Overview of the process of therapeutic recreation, including assessing, planning, implementing and evaluating. Emphasis is on age-related illness, disease, disability and therapeutic activity intervention.

**RECL 499 Supervised Internship in Recreation, Parks and Leisure Services (6)**  
Directed internship with local sports medicine facilities or programs that include close supervision and seminars. Emphasis on improving professional competency in students and assisting to relate theory to practice. One hour of lecture and five hours of laboratory per week. **Prerequisite: Senior standing, Recreation majors only**

### SPORT MANAGEMENT COURSES (SPMT)

**SPMT 134 Sport & Entertainment Management (3)**  
This course is an analysis of effective management strategies and the body of knowledge associated with pursuing a career in sport management. The course will introduce students to the American and World sport and entertainment enterprise; background, influences and trends; intercollegiate, collegiate and professional sport organizations; ownership and unionization; media portrayals. Emphasis will be placed on an introduction to the sport and entertainment management industry career fields.

**SPMT 135 Sport Marketing & Promotions (3)**  
This course will include the application of marketing principles and concepts in the sports industry. It includes sponsorships, branding, promotions, public relations, licensing, and sports consumer research and behavior. Emphasis will include the foundations of consumer behavior and sport marketing planning. The course includes reviewing the design and implementation of marketing plans for the integration of product, pricing, promotion, distribution, sales, sponsorship, and advertising of sport goods and services.

**SPMT 273 Managerial Communication & Media Relations in Sport (3)**  
This course is designed to explore the different types of communication in sport programs and how they are organized and administered at the school, community and professional levels. It will also explore the communication process in management of intramural, recreation, sport and health club programs. The course focuses on the skills, techniques, practices and issues related to the field of public relations, as well as the methods of critical analysis regarding public relations campaigns and the media production of an event (conference, game or tournament). **Prerequisite: ENGL 131 AND ENGL 132.**

**SPMT 279 SPMT 279 Sport Program Events & Facility Management (3)**  
This course provides students with an understanding of the intricacy and complexity involved in sport program event and facility management. Sport facility management includes a variety of activities such as planning and designing a sports facility, staff management, facility marketing, developing revenue streams, and facility scheduling and operating. Sport program event management consists of identifying goals of the event and coordinating people in the organizations involved to achieve those goals with the resources available.

**SPMT 332 Sports, Ethics and the Law (3)**  
This course will explore the ethics and legal principles and rules of law affecting the administration of sports and recreation programs. Emphasis will be placed in the areas of negligence, product liability, nuisance, contracts, leisure, personnel practices, and risk management. Students are given opportunities to identify, examine, and present decisions on ethics issues related to sport and sport management. Theories of ethics, concepts of morality, codes of conduct, as well as personal philosophies in regard to social responsibility are some of the topics included in this course. **Prerequisite: SPMT 134 AND SPMT 273.**

- SPMT 333**                      **Problems in Urban Recreation & Sports**                      (3)  
 This course provides an in-depth analysis of the causes and consequences of contemporary problems in urban sport with a focus on minorities. Students will utilize the case-study approach to examine the social, political, and economic factors influencing the structure and experience of sport in American cities. Emphasis will be placed on formulating solutions and potential strategies to address identified problems. This course focuses on sports as social and cultural phenomena. Students will learn to use sociological concepts and critical thinking to discover how sports affect multiple spheres of our social life, particular in the African American and other minority communities. **Prerequisite: SPMT 134 AND SPMT 273.**
- SPMT 399**                      **Sport Management Seminar**                      (2)  
 This course will explore the issues and applications of organizational and administrative principles of sport management. This is a capstone course that provides an opportunity for students to demonstrate that they have achieved the goals for learning established by this educational institution and department. Includes the opportunity to integrate and apply learning from the sport management program in a comprehensive manner. Two hour of lecture per week. **Majors only. Prerequisite: Junior standing.**
- SPMT 434**                      **Administration of Athletics in Organizations**                      (3)  
 This course examines a philosophic rationale and a variety of methods that may be used to assess athletic programs and personnel. The course takes a unique view on the management of urban intercollegiate schools and HBCUs. The goals of this program are to improve the performance of athletic coaches and other athletic department personnel, improvement of program operations and improvement of satisfaction among players, parents and employees. **Prerequisite: SPMT 273 AND SPMT 332.**
- SPMT 476**                      **History of Sport Governance, African Diaspora & (HBCU) Black Colleges in Sports**                      (3)  
 This course takes a look at sports sociology in a global, issues-oriented approach to study the role of sport in society and the African American cultural of sports. It encourages the discussion of current sports-related issues and controversies as well as helps students develop critical thinking skills. It reviews the history of the African Diaspora in Sports and Black College Sports, specifically the history of the SWAC and the role (HBCUs) Black College Sports play in Texas. **Prerequisite: SPMT 333.**
- SPMT 499**                      **Sport Management Practicum**                      (3/6)  
 Sport Management major students must complete one practicum and one internship (field experience) or two practicum internships (field experience). These work experiences are designed to involve students in a professional environment outside the classroom. Field experiences are carefully selected by the students and approved by their academic advisor. **Prerequisite: Junior/Senior standing. Sport Management majors only.**



**Curriculum in Health Studies**  
**EC-12 Teacher Certification Degree Plan (Option I, Track I)**

**Freshman Year**

TCCNS	TSU		TCCNS	TSU	
HUMA 1301	MUSI 239 *	3 _____	ENGL 1302	ENG 132	3 _____
PHED 1164	PE 102	1 _____	HIST 1301	HIST 231	3 _____
ENGL 1301	ENG 131	3 _____	COSC 1300	CS 116	3 _____
GEOG 1303	GEOG 132	4 _____	SPCH 1315	SC 136	3 _____
	HED 233	2 _____	GOVT 2301	POLS 231	3 _____
BIOL 1308 or 1108	BIOL 143 & LAB	4 _____		HED 333	3 _____
	FS 102	1 _____			<b>18</b>
		<b>18</b>			

**Sophomore Year**

MATH 1314	MATH 133	3 _____		HED 399	2 _____
	PE 122	1 _____	GOVT 2302	POLS 232	3 _____
ENGL 2328	ENG 235	3 _____		HED 340	3 _____
	HED 234	3 _____		EDCI 210 or 340	3 _____
BIOL 2401 & 2402	BIOL 245 & LAB	4 _____	HIST 1302	HIST 232	3 _____
PSYC 2301	PSY 131	3 _____		HED 436	3 _____
		17			17

**\*\* Must apply for admission to Educator Preparation Program/College of Education**  
**Must have Grade Point Average of 2.5 or above – Must have earned 60 hours minimum above**  
**Must have taken THEA – pass all levels**

**Junior Year**

HED 335	3 _____	PE 331	3 _____
HED 336	3 _____	HED 471	3 _____
EDCI 310	3 _____	EDCI 328	3 _____
EDCI 339	3 _____	EDCI 350	3 _____
	12		12

**Senior Year**

HED 339	3 _____	PE 438	3 _____
HED 477	3 _____	EDCI 468	6 _____
RDG 401	3 _____	HED 434	3 _____
HED 432	3 _____		12
HED 433	3 _____		
	15		

**Total Credit Hours = 121**

**Admission Information**

**Admission to the College of Education Educator Preparation Program is governed by the following criteria:**

1. Completion of the Educator Preparation Program application
2. Submission of **all** transcripts from **all** colleges attended and/or a transcript from Texas Southern University reflecting the most recent semester enrolled prior to the date of the application.
3. **Completion of the core requirements of 48 semester credit hours identified in the degree plan.**
4. Submit a degree plan signed by the advisor in certification area and Dean of the College of Education.
5. A minimum overall GPA of 2.5 and **all courses** completed with grades of "C" or better (C- not acceptable).
6. Sit for the **THEA** with minimum required scores: **Reading 250, Mathematics 230, Writing/English 220.**

**Curriculum in Health Studies  
Non-Teaching Degree Plan (Option I, Track II)**

<b>Freshman Year</b>					
TCCNS	TSU		TCCNS	TSU	
HUMA 1301	MUSI 239 *	3_____	ENGL 1302	ENG 132	3_____
PHED 1164	PE 102	1_____	HIST 1301	HIST 231	3_____
ENGL 1301	ENG 131	3_____	COSC 1300	CS 116	3_____
GEOL 1403	GEOL 141***	4_____	SPCH 1315	SC 136	3_____
	FS 102	1_____	GOVT 2301	POLS 231	3_____
BIOL 1308 or 1108	BIOL 143 & LAB	4_____			
		<b>16</b>			<b>15</b>

<b>Sophomore Year</b>					
MATH 1314	MATH 133	3_____		HED 233	2_____
	PE 122	1_____	GOVT 2302	POLS 232	3_____
ENGL 2328	ENG 235	3_____		HED 340	3_____
	HED 333	3_____	PSYC 2301**	PSY 131	3_____
BIOL 2401 & 2402	BIOL 245 & LAB	4_____	HIST 1302	HIST 232	3_____
	HED 223	2_____		PE 107	1_____
		<b>16</b>			<b>15</b>

**Must consult with advisor in regard to HED 499 (Health Supervised Internship) prior to beginning of Senior Year  
Must have Grade Point Average (GPA) of 2.5 or above – Must have earned 90 hours minimum above before HED 499**

\* Any one (1) of these – HUMA 1301 – MUSI 239, DRAM 1310 – THC 130, ARTS 1316 – Art 131

\*\*Any one (1) of these – PSYC 2301- PSY 131, SOC 1301 – SOC 157, GEOG 1303 – GEOG 132

\*\*\*May also satisfy GEOL 1412 – GEOL 141 by taking PHYS 101

<b>Junior Year</b>					
	HED 234	3_____		HED 432	3_____
	HED 335	3_____		HED 433	3_____
	Approved			Approved	
	Elective	3_____		Elective	3_____
	HED 336	3_____		HED 434	3_____
	HED 339	3_____		HED 472	3_____
	HED 399	2_____			
		<b>17</b>			<b>15</b>

<b>Senior Year</b>					
	HED 471	3_____		HED 499	6_____
	HED 477	3_____		Outside Interest	3_____
	Outside Interest	3_____		Outside Interest	3_____
	PE 437 or PE 438	3_____			
	Outside Interest	3_____			
		<b>15</b>			<b>12</b>

**Total Credit Hours = 121**

**Curriculum in Kinesiology (Human Performance)  
All Levels Teacher Certification Degree Plan (Option II, Track I)**

		<b>Freshman Year</b>			
TCCNS	TSU		TCCNS	TSU	
	PE 112	1 _____	ENGL 1302	ENG 132	3 _____
PHED 1301	PE 127	3 _____	GEOG 1303	GEOG 132	3 _____
ENGL 1301	ENG 131	3 _____	COSC 1300	CS 116	3 _____
SPCH 1321 or 1315	SC 135 or 136	3 _____	PSYC 2301	PSY 131	3 _____
BIOL 1308 or 1108	BIOL 143 & LAB	4 _____		FS 102	1 _____
MATH 1314	MATH 133	3 _____	HUMA 1301	MUSI 239	3 _____
		17			16

		<b>Sophomore Year</b>			
	PE 211	1 _____		PE 212	1 _____
	PE 233	3 _____		PE 235	3 _____
ENGL 2332 or 2333	ENG 230 or 231	3 _____		PE 324	2 _____
GOVT 2301	POLS 231	3 _____	GOVT 2302	POLS 232	3 _____
HIST 1301	HIST 231	3 _____	HIST 1302	HIST 232	3 _____
BIOL 2401 & 2402	BIOL 245 & LAB	4 _____		EDCI 210 or 340	3 _____
		17			15

**\*\*Must apply for admission to Educator Preparation Program/College of Education**

		<b>Junior Year</b>			
	PE 302	3 _____		PE 336	3 _____
	PE 331	3 _____		PE 337	3 _____
	PE 332	3 _____		PE 378	3 _____
	EDCI 310	3 _____		EDCI 328	3 _____
	EDCI 339	3 _____		EDCI 350	3 _____
		15			15

		<b>Senior Year</b>			
	PE 399	2 _____		PE 435	3 _____
	RDG 401	3 _____		PE 438	3 _____
	PE 437	3 _____		EDCI 468	6 _____
	PE 338	3 _____			
	HED 333	3 _____			
		14			12

**Total Credit Hours = 121**

**Admission Information**

**Admission to the College of Education Educator Preparation Program is governed by the following criteria:**

7. Completion of the Educator Preparation Program application
8. Submission of **all** transcripts from **all** colleges attended and/or a transcript from Texas Southern University reflecting the most recent semester enrolled prior to the date of the application.
9. **Completion of the core requirements of 48 semester credit hours identified in the degree plan.**
10. Submit a degree plan signed by the advisor in certification area and Dean of the College of Education.
11. A minimum overall GPA of 2.5 and **all courses** completed with grades of "C" or better (C- not acceptable).
12. Sit for the **THEA** with minimum required scores: **Reading 250, Mathematics 230, Writing/English 220.**

**Curriculum in Kinesiology (Human Performance/Athletic Training)  
All Levels Teacher Certification Degree Plan (Option II, Track II)**

		<b>Freshman Year</b>			
TCCNS	TSU		TCCNS	TSU	
			ENGL 1302	ENG 132	3_____
PHED 1301	PE 127	3_____	GEOG 1303	GEOG 132	3_____
ENGL 1301	ENG 131	3_____	COSC 1300	CS 116	3_____
SPCH 1321 or 1315	SC 135 or 136	3_____	PSYC 2301	PSY 131	3_____
BIOL 1308 or 1108	BIOL 143 & LAB	4_____		FS 102	1_____
MATH 1314	MATH 133	3_____	HUMA 1301	MUSI 239	3_____
		16			16

		<b>Sophomore Year</b>			
				<b>Elective</b>	3_____
	PE 233	3_____		PE 235	3_____
ENGL 2332 or 2333	ENG 230 or 231	3_____		PE 324	2_____
GOVT 2301	POLS 231	3_____	GOVT 2302	POLS 232	3_____
HIST 1301	HIST 231	3_____	HIST 1302	HIST 232	3_____
BIOL 2401 & 2402	BIOL 245 & LAB	4_____		EDCI 210 or 340	3_____
		16			17

**\*\*Must apply for admission to Educator Preparation Program/College of education  
Must have Grade Point Average (GPA) of 2.5 or above – Must have earned 60 hours minimum above  
1800 Clock Hours working under the guidance of a certified/licensed athletic trainer  
Must have taken THEA test – pass all levels**

		<b>Junior Year</b>			
	PE 302	3_____		PE 336	3_____
	PE 331	3_____		PE 370	3_____
	FN 233	3_____		HSMR 362	3_____
	EDCI 310	3_____		EDCI 328	3_____
	EDCI 339	3_____		EDCI 350	3_____
	HED 333	3_____			
		18			15

		<b>Senior Year</b>			
	PE 371	3_____		PE 399	2_____
	RDG 401	3_____		PE 438	3_____
	PE 372	3_____		EDCI 468	6_____
	PE 378	3_____			
	PE 437	3_____			
		15			11

**Total Credit Hours = 124**

**Admission Information**

**Admission to the College of Education Educator Preparation Program is governed by the following criteria:**

13. Completion of the Educator Preparation Program application
14. Submission of **all** transcripts from **all** colleges attended and/or a transcript from Texas Southern University reflecting the most recent semester enrolled prior to the date of the application.
15. **Completion of the core requirements of 48 semester credit hours identified in the degree plan.**
16. Submit a degree plan signed by the advisor in certification area and Dean of the College of Education.
17. A minimum overall GPA of 2.5 and **all courses** completed with grades of "C" or better (C- not acceptable).
18. Sit for the **THEA** with minimum required scores: **Reading 250, Mathematics 230, Writing/English 220.**

**Curriculum in Human Performance/Athletic Training  
Non-Teaching Degree Plan (Option II, Track III)**

**Freshman Year**

TCCNS	TSU		TCCNS	TSU	
	HED 233	2_____	ENGL 1302	ENG 132	3_____
PHED 1301	PE 127	3_____	GEOG 1303	GEOG 132	3_____
ENGL 1301	ENG 131	3_____	COSC 1300	CS 116	3_____
SPCH 1321 or 1315	SC 135 or 136	3_____	PSYC 2301	PSY 131	3_____
BIOL 1308 or 1108	BIOL 143 & LAB	4_____		FS 102	1_____
MATH 1314	MATH 133	3_____	HUMA 1301*	MUSI 239	3_____
		18			16

**Sophomore Year**

	PE 211	1_____		PE 212	1_____
	PE 233	3_____		PE 235	3_____
ENGL 2332 or 2333	ENG 230 or 231	3_____		PE 324	2_____
GOVT 2301	POLS 231	3_____	GOVT 2302	POLS 232	3_____
HIST 1301	HIST 231	3_____	HIST 1302	HIST 232	3_____
BIOL 2401 & 2402	BIOL 245 & LAB	4_____		HED 333	3_____
		17			15

**Must have Grade Point Average (GPA) of 2.5 or above to participate in n PE 499 – Athletic Training Supervised Internship  
Degree requirements - 1800 Clock Hours working under the guidance of a certified/licensed athletic trainer**

**Summer Session**

Elective	3_____	Elective	3_____
	3		3

**Junior Year**

	PE 302	3_____		PE 339	3_____
PHED 1206	HED 223	2_____		PE 370	3_____
	FN 233	3_____		HSMR 362	3_____
	PE 336	3_____		PHYS 101**	4_____
		11			13

**Senior Year**

	PE 371	3_____		PE 399	2_____
	PE 437	3_____		PE 372	3_____
	PE 374	3_____		PE 499	6_____
	PE 378	3_____		PE 438	3_____
		12			14

**Total Credit Hours = 122**

**Admission Information**

**Electives** – Upper level electives (300-400) – 6 hours

**\*Aesthetic** – Select any one (1) of the following – MUSI239, THC 130, SOC 141, PHIL 431

**\*\*PHYs 101** formerly was PHYS 141

**Curriculum in Kinesiology Human Performance – (Recreation & Leisure Studies)  
Non-Teacher Certification Degree Plan (Option II, Track IV)**

**Freshman Year**

TCCNS	TSU		TCCNS	TSU	
	PE 112	1_____	ENGL 1302	ENG 132	3_____
	FS 102	1_____	MATH 1325	MATH 135	3_____
ENGL 1301	ENG 131	3_____	COSC 1300	CS 116	3_____
SPCH 1321 or 1315	SC 135 or 136	3_____	PSYC 2301	PSY 131	3_____
BIOL 1308 or 1108	BIOL 143 & LAB	4_____	PHED 1301	PE 127	3_____
MATH 1314	MATH 133	3_____			
		15			15

**Sophomore Year**

	PE 233	3_____		PE 372	3_____
ENGL 2332 or 2333	ENG 230 or 231	3_____		PE 235	3_____
GOVT 2301	POLS 231	3_____	GOVT 2302	POLS 232	3_____
HIST 1301	HIST 231	3_____	HIST 1302	HIST 232	3_____
BIOL 2401 & 2402	BIOL 245 & LAB	4_____	HUMA 1301	MUSI 239*	3_____
		16			15

Must consult with advisor in regard to RECL 499 – (Recreation & Leisure Supervised Internship) prior to beginning of Senior Year  
Must have Grade Point Average (GPA) of 2.5 or above GPA – Must have earned 90 hours minimum above before RECL 499

- \* Any one (1) of these – HUMA 1301 – MUSI 239, DRAM 1310 – THC 130, ARTS 1316 – ART 131
- \*\* Any one of (1) of these – PYSC 2301 – PSY 131, SOC 1301 – SOC 157, GEOG 1303 – GEOG 132

**Junior Year**

PE 374	3_____	PE 336	3_____
PE 324	2_____	PE 337	3_____
RECL 332	3_____	RECL 373	3_____
RECL 333	3_____	RECL 379	3_____
RECL 335	3_____	RECL 434	3_____
RECL 234	3_____	PE 211	1_____
	17		16

**Senior Year**

RECL 399	2_____	PE 435	3_____
RECL 476	3_____	PE 438	3_____
PE 437	3_____	RECL 499	6_____
PE 338	3_____		
HED 333	3_____		
PE 212	1_____		
	15		12

**Total Credit Hours = 121**

**Admission Information**

\***Aesthetic** – Select any one (1) of the following – MUSI239, THC 130, SOC 141, PHIL 431

**Curriculum in Sport Management (Business)  
Non-Teaching Degree Plan (Option III, Track I)**

		<b>Freshman Year</b>			
TCCNS	TSU	TCCNS	TSU		
	<b>FS 102</b>	1_____			
<b>COSC 1300</b>	<b>CS 116</b>	3_____	<b>ENGL 1302</b>	<b>ENG 132</b>	3_____
<b>ENGL 1301</b>	<b>ENG 131</b>	3_____	<b>MATH 1325</b>	<b>MATH 135</b>	3_____
<b>MATH 1314</b>	<b>MATH 133</b>	3_____	<b>PSYC 2301</b>	<b>PSY 131</b>	3_____
	SPMT 134	3_____		SPMT 135	3_____
<b>SPCH 1321 or 1315</b>	<b>SC 135 or 136</b>	3_____	<b>BIOL 1308 or 1108</b>	<b>BIOL 143 &amp; LAB</b>	4_____
		16			16

		<b>Sophomore Year</b>			
<b>HIST 1301</b>	<b>HIST 231</b>	3_____	<b>HIST 1302</b>	<b>HIST 232</b>	3_____
	SPMT 279	3_____		SPMT 273	3_____
<b>ENGL 2332 or 2333</b>	<b>ENG 230 or 231</b>	3_____	<b>ECON 2301</b>	<b>ECON 231</b>	3_____
<b>BIOL 2401 &amp; 2402</b>	<b>BIOL 245 &amp; LAB</b>	4_____	<b>HUMA 1301</b>	<b>MUSI 239*</b>	3_____
<b>GOVT 2301</b>	<b>POLS 231</b>	3_____	<b>GOVT 2302</b>	<b>POLS 232</b>	3_____
		16			15

Must have Grade Point Average (GPA) of 2.5 or above to participate in SPMT 499 – Sport Management Supervised Internship  
 Must have earned 60 hours minimum to take Department / Sports Studies & Leadership Program Mid-Point Examination  
 Eligible students for the program, freshman; internal (change of major) and external transfer students must have a 2.5 or above GPA and have not completed more than 60 credit hours

		<b>Junior Year</b>			
<b>ECON 2302</b>	<b>ECON 232</b>	3_____	(ELEC PE > 300)	<b>ELEC PE 337</b>	3_____
<b>ACCT 2301</b>	<b>ACCT 231</b>	3_____	<b>ACCT 2302</b>	<b>ACCT 232</b>	3_____
<b>PHED 1301</b>	<b>PE 127</b>	3_____		<b>SPMT 476</b>	3_____
	<b>PE 233</b>	3_____		<b>PE 437</b>	3_____
	<b>SPMT 332</b>	3_____	<b>BUSI 2301</b>	<b>BADM 234</b>	3_____
		15			15

		<b>Senior Year</b>			
	<b>PE 435</b>	3_____		<b>SPMT 499</b>	6_____
	<b>PE 438</b>	3_____		<b>SPMT 333</b>	3_____
	<b>MKTG 306</b>	3_____		<b>SPMT 434</b>	3_____
	<b>FIN 301</b>	3_____			
	<b>ELEC BADM</b>	3_____			
	<b>SPMT 399</b>	2_____			
		17			12

Total Credit Hours = 122

Admission Information

Electives – Upper level electives (300-400)

\*Aesthetic – Select any one (1) of the following – MUSI239, THC 130, SOC 141, PHIL 431

**Curriculum in Sport Management (Health)  
Non-Teaching Degree Plan (Option III, Track II)**

		<b>Freshman Year</b>			
TCCNS	TSU	TCCNS	TSU		
	<b>FS 102</b>	1_____			
<b>COSC 1300</b>	<b>CS 116</b>	3_____	<b>ENGL 1302</b>	<b>ENG 132</b>	3_____
<b>ENGL 1301</b>	<b>ENG 131</b>	3_____	<b>MATH 1325</b>	<b>MATH 135</b>	3_____
<b>MATH 1314</b>	<b>MATH 133</b>	3_____	<b>PSYC 2301</b>	<b>PSY 131</b>	3_____
	SPMT 134	3_____		SPMT 135	3_____
<b>SPCH 1321 or 1315</b>	<b>SC 135 or 136</b>	3_____	<b>BIOL 1308 or 1108</b>	<b>BIOL 143 &amp; LAB</b>	4_____
		16			16

		<b>Sophomore Year</b>			
<b>HIST 1301</b>	<b>HIST 231</b>	3_____	<b>HIST 1302</b>	<b>HIST 232</b>	3_____
	SPMT 279	3_____		SPMT 273	3_____
<b>ENGL 2332 or 2333</b>	<b>ENG 230 or 231</b>	3_____	<b>ECON 2301</b>	<b>ECON 231</b>	3_____
<b>BIOL 2401 &amp; 2402</b>	<b>BIOL 245 &amp; LAB</b>	4_____	<b>HUMA 1301</b>	<b>MUSI 239*</b>	3_____
<b>GOVT 2301</b>	<b>POLS 231</b>	3_____	<b>GOVT 2302</b>	<b>POLS 232</b>	3_____
		16			15

Must have Grade Point Average (GPA) of 2.5 or above to participate in SPMT 499 – Sport Management Supervised Internship  
 Must have earned 60 hours minimum to take Department / Sports Studies & Leadership Program Mid-Point Examination  
 Eligible students for the program, freshman; internal (change of major) and external transfer students must have a 2.5 or above GPA and have not completed more than 60 credit hours

		<b>Junior Year</b>			
	HED 335	3_____		HED 340	3_____
	HED 432	3_____		ELEC HED 333	3_____
<b>PHED 1301</b>	PE 127	3_____		SPMT 476	3_____
	PE 233	3_____		PE 437	3_____
	SPMT 332	3_____		HED 471	3_____
		15			15

		<b>Senior Year</b>			
	PE 435	3_____		SPMT 499	6_____
	PE 438	3_____		SPMT 333	3_____
	HED 433	3_____		SPMT 434	3_____
	ELEC HED	3_____			
	HED 477	3_____			
	SPMT 399	2_____			
		17			12

Total Credit Hours = 122

Admission Information

Electives – Upper level electives (300-400)

\*Aesthetic – Select any one (1) of the following – MUSI239, THC 130, SOC 141, PHIL 431



**Curriculum in Sport Management (Human Performance)  
Non-Teaching Degree Plan (Option III, Track III)**

**Freshman Year**

	<b>FS 102</b>	<b>1</b> _____			
<b>COSC 1300</b>	<b>CS 116</b>	<b>3</b> _____	<b>ENGL 1302</b>	<b>ENG 132</b>	<b>3</b> _____
<b>ENGL 1301</b>	<b>ENG 131</b>	<b>3</b> _____	<b>MATH 1325</b>	<b>MATH 135</b>	<b>3</b> _____
<b>MATH 1314</b>	<b>MATH 133</b>	<b>3</b> _____	<b>PSYC 2301</b>	<b>PSY 131</b>	<b>3</b> _____
	SPMT 134	3 _____		SPMT 135	3 _____
<b>SPCH 1321 or 1315</b>	<b>SC 135 or 136</b>	<b>3</b> _____	<b>BIOL 1308 or 1108</b>	<b>BIOL 143 &amp; LAB</b>	<b>4</b> _____
		16			16

**Sophomore Year**

<b>HIST 1301</b>	<b>HIST 231</b>	<b>3</b> _____	<b>HIST 1302</b>	<b>HIST 232</b>	<b>3</b> _____
	SPMT 279	3 _____		SPMT 273	3 _____
<b>ENGL 2332 or 2333</b>	<b>ENG 230 or 231</b>	<b>3</b> _____	<b>HUMA 1301</b>	<b>MUSI 239*</b>	<b>3</b> _____
<b>BIOL 2401 &amp; 2402</b>	<b>BIOL 245 &amp; LAB</b>	<b>4</b> _____	<b>GOVT 2302</b>	<b>POLS 232</b>	<b>3</b> _____
<b>GOVT 2301</b>	<b>POLS 231</b>	<b>3</b> _____			
		16			15

Must have Grade Point Average (GPA) of 2.5 or above to participate in SPMT 499 – Sport Management Supervised Internship  
 Must have earned 60 hours minimum to take Department / Sports Studies & Leadership Program Mid-Point Examination  
 Eligible students for the program, freshman; internal (change of major) and external transfer students must have a 2.5 or above  
 GPA and have not completed more than 60 credit hours

**Junior Year**

	<b>PE 302</b>	<b>3</b> _____	(ELEC PE > 300)	<b>ELEC PE 337</b>	<b>3</b> _____
	<b>PE 374</b>	<b>3</b> _____		<b>PE 324</b>	<b>2</b> _____
<b>PHED 1301</b>	<b>PE 127</b>	<b>3</b> _____		<b>SPMT 476</b>	<b>3</b> _____
	<b>PE 233</b>	<b>3</b> _____		<b>PE 437</b>	<b>3</b> _____
	<b>SPMT 332</b>	<b>3</b> _____	(ELEC PE > 300)	<b>ELEC PE 378</b>	<b>3</b> _____
				<b>PE 211</b>	<b>1</b> _____
		15			15

**Senior Year**

	<b>PE 435</b>	<b>3</b> _____		<b>SPMT 499</b>	<b>6</b> _____
	<b>PE 438</b>	<b>3</b> _____		<b>SPMT 333</b>	<b>3</b> _____
	<b>HED 333</b>	<b>3</b> _____		<b>SPMT 434</b>	<b>3</b> _____
	<b>PE 338</b>	<b>3</b> _____			
	<b>PE 327</b>	<b>2</b> _____			
	<b>SPMT 399</b>	<b>2</b> _____			
		16			12

Total Credit Hours = 121

Admission Information

Electives – Upper level electives (300-400)

\*Aesthetic – Select any one (1) of the following – MUSI239, THC 130, SOC 141, PHIL 431

**Curriculum in Sport Management (Journalism)  
Non-Teaching Degree Plan (Option III, Track IV)**

		<b>Freshman Year</b>			
TCCNS	TSU	TCCNS	TSU		
	<b>FS 102</b>	1_____			
<b>COSC 1300</b>	<b>CS 116</b>	3_____	<b>ENGL 1302</b>	<b>ENG 132</b>	3_____
<b>ENGL 1301</b>	<b>ENG 131</b>	3_____	<b>MATH 1325</b>	<b>MATH 135</b>	3_____
<b>MATH 1314</b>	<b>MATH 133</b>	3_____	<b>PSYC 2301</b>	<b>PSY 131</b>	3_____
	SPMT 134	3_____		SPMT 135	3_____
<b>SPCH 1321 or 1315</b>	<b>SC 135 or 136</b>	3_____	<b>BIOL 1308 or 1108</b>	<b>BIOL 143 &amp; LAB</b>	4_____
		16			16

		<b>Sophomore Year</b>			
<b>HIST 1301</b>	<b>HIST 231</b>	3_____	<b>HIST 1302</b>	<b>HIST 232</b>	3_____
	SPMT 279	3_____		SPMT 273	3_____
<b>ENGL 2332 or 2333</b>	<b>ENG 230 or 231</b>	3_____	<b>ECON 2301</b>	<b>ECON 231</b>	3_____
<b>BIOL 2401 &amp; 2402</b>	<b>BIOL 245 &amp; LAB</b>	4_____	<b>HUMA 1301</b>	<b>MUSI 239*</b>	3_____
<b>GOVT 2301</b>	<b>POLS 231</b>	3_____	<b>GOVT 2302</b>	<b>POLS 232</b>	3_____
		16			15

Must have Grade Point Average (GPA) of 2.5 or above to participate in SPMT 499 – Sport Management Supervised Internship  
 Must have earned 60 hours minimum to take Department / Sports Studies & Leadership Program Mid-Point Examination  
 Eligible students for the program, freshman; internal (change of major) and external transfer students must have a 2.5 or above GPA and have not completed more than 60 credit hours

		<b>Junior Year</b>			
	JOUR 130	3_____		JOUR 253	3_____
	JOUR 132	4_____	(ELEC JOUR > 300)	JOUR ELEC	3_____
<b>PHED 1301</b>	PE 127	3_____		SPMT 476	3_____
	PE 233	3_____		PE 437	3_____
	SPMT 332	3_____	(ELEC JOUR > 300)	JOUR ELEC	3_____
		16			15

		<b>Senior Year</b>			
	PE 435	3_____		SPMT 499	6_____
	PE 438	3_____		SPMT 333	3_____
	JOUR 238	4_____		SPMT 434	3_____
(ELEC JOUR > 300)	JOUR ELEC	3_____			
	SPMT 399	2_____			
		15			12

Total Credit Hours = 121

Admission Information

Electives – Upper level electives (300-400)

\*Aesthetic – Select any one (1) of the following – MUSI239, THC 130, SOC 141, PHIL 431

**Curriculum in Sport Management (Radio, Television & Film)  
Non-Teaching Degree Plan (Option III, Track V)**

		<b>Freshman Year</b>			
TCCNS	TSU	TCCNS	TSU		
	<b>FS 102</b>	1 _____			
<b>COSC 1300</b>	<b>CS 116</b>	3 _____	<b>ENGL 1302</b>	<b>ENG 132</b>	3 _____
<b>ENGL 1301</b>	<b>ENG 131</b>	3 _____	<b>MATH 1325</b>	<b>MATH 135</b>	3 _____
<b>MATH 1314</b>	<b>MATH 133</b>	3 _____	<b>PSYC 2301</b>	<b>PSY 131</b>	3 _____
	SPMT 134	3 _____		SPMT 135	3 _____
<b>SPCH 1321 or 1315</b>	<b>SC 135 or 136</b>	3 _____	<b>BIOL 1308 or 1108</b>	<b>BIOL 143 &amp; LAB</b>	4 _____
		16			16

		<b>Sophomore Year</b>			
<b>HIST 1301</b>	<b>HIST 231</b>	3 _____	<b>HIST 1302</b>	<b>HIST 232</b>	3 _____
	SPMT 279	3 _____		SPMT 273	3 _____
<b>ENGL 2332 or 2333</b>	<b>ENG 230 or 231</b>	3 _____	<b>ECON 2301</b>	<b>ECON 231</b>	3 _____
<b>BIOL 2401 &amp; 2402</b>	<b>BIOL 245 &amp; LAB</b>	4 _____	<b>HUMA 1301</b>	<b>MUSI 239*</b>	3 _____
<b>GOVT 2301</b>	<b>POLS 231</b>	3 _____	<b>GOVT 2302</b>	<b>POLS 232</b>	3 _____
		16			15

Must have Grade Point Average (GPA) of 2.5 or above to participate in SPMT 499 – Sport Management Supervised Internship  
 Must have earned 60 hours minimum to take Department / Sports Studies & Leadership Program Mid-Point Examination  
 Eligible students for the program, freshman; internal (change of major) and external transfer students must have a 2.5 or above GPA and have not completed more than 60 credit hours

		<b>Junior Year</b>			
	RTF 230	3 _____	ENTR 305, ENTR 310 or ENTR 450		3 _____
	RTF 231	4 _____		RTF 344	3 _____
<b>PHED 1301</b>	PE 127	3 _____		SPMT 476	3 _____
	PE 233	3 _____		PE 437	3 _____
	SPMT 332	3 _____		RTF 331	3 _____
		16			15

		<b>Senior Year</b>			
	PE 435	3 _____		SPMT 499	6 _____
	PE 438	3 _____		SPMT 333	3 _____
	RTF 365 or RTF 368	4 _____		SPMT 434	3 _____
	RTF 375 or RTF 378	4 _____			
	SPMT 399	2 _____			
		16			12

Total Credit Hours = 122

Admission Information

Electives – Upper level electives (300-400)

\*Aesthetic – Select any one (1) of the following – MUSI239, THC 130, SOC 141, PHIL 431

**TEXAS SOUTHERN UNIVERSITY  
DEPARTMENT OF HEALTH AND KINESIOLOGY  
MINOR IN HEALTH STUDIES**

For a minor in Human Performance, the following courses (21 semester credit hours) are required through enrollment in the following courses as well as Cognate Courses (5 semester credit hours) as indicated below:

Courses:

HED 234	_____	(3)
HED 335	_____	(3)
HED 340	_____	(3)
HED 432	_____	(3)
HED 433	_____	(3)
HED 471	_____	(3)
HED 477	_____	(3)

Cognate Courses required:

BIOL 245	_____	(4)
PE 102	_____	(1)

A grade of C or better is required, whereas a C- or below is unacceptable, in all classes leading to the minor in Health Studies, including the cognate courses.

Students wishing to pursue a minor in Health Studies must petition the Department for admission. All students who enroll in Human Performance (PE) activity courses must purchase and wear a required uniform for activities.

For supporting teacher certification in Health Studies, 24-semester credit hours are required in the Department through enrollment in the following three-credit courses: HED 234, HED 333, HED 340, HED 432, HED 433, HED 436, HED 471 and HED 477. The cognate courses as above listed are also required.

In summary, students must gain admission to the University, must meet THEA responsibility if the student plans to pursue a teaching certificate, must petition the Department for admission, and must qualify for the Educator Preparation Program if their degree requirements lead to teacher certification. Requirements for the Educator Preparation Program should be reviewed carefully by all interested students. Additional information may be obtained from the Department office at (713) 313-7087.

**TEXAS SOUTHERN UNIVERSITY**  
**DEPARTMENT OF HEALTH AND KINESIOLOGY**  
**MINOR IN HUMAN PERFORMANCE**

For a minor in Human Performance, the following courses (21 semester credit hours) are required through enrollment in the following courses as well as Cognate Courses (7 semester credit hours) as indicated below:

Courses:

PE 127	_____	(3)
PE 211	_____	(1)
PE 212	_____	(1)
PE 235	_____	(3)
PE 302	_____	(3)
PE 324	_____	(2)
PE 327	_____	(2)
PE 336	_____	(3)
PE 437	_____	(3)

Cognate Courses required:

BIOL 245	_____	(4)
HED 333	_____	(3)

A grade of C or better is required, whereas a C- or below is unacceptable, in all classes leading to the minor in Human Performance, including the cognate courses.

Students wishing to pursue a minor in Human Performance must petition the Department for admission. All students who enroll in Human Performance (PE) activity courses must purchase and wear a required uniform for activities.

For supporting teacher certification in Human Performance, 24-semester credit hours are required in the Department through enrollment in the following three-credit courses: PE 127, PE 233, PE 337, PE 338, PE 339, PE 378, PE 437, and one upper level PE course. The cognate courses as above listed are also required.

In summary, students must gain admission to the University, must meet THEA responsibility if the student plans to pursue a teaching certificate must petition the Department for admission, and must qualify for the Educator Preparation Program if their degree requirements lead to teacher certification. Requirements for the Educator Preparation Program should be reviewed carefully by all interested students. Additional information may be obtained from the Department office at (713) 313-7087.

**TEXAS SOUTHERN UNIVERSITY  
DEPARTMENT OF HEALTH AND KINESIOLOGY  
MINOR IN RECREATION & LEISURE STUDIES**

For a minor in Recreation & Leisure Studies, the following courses (21 semester credit hours) are required through enrollment in the following courses as well as Cognate Courses (7 semester credit hours) as indicated below:

Courses:

RECL 234        \_\_\_\_\_(3)

RECL 332        \_\_\_\_\_(3)

RECL 333        \_\_\_\_\_(3)

RECL 335        \_\_\_\_\_(3)

RECL 373        \_\_\_\_\_(3)

RECL 379        \_\_\_\_\_(3)

RECL 434        \_\_\_\_\_(3)

or RECL 476

Cognate Courses required:

BIOL 245        \_\_\_\_\_(4)

PE 127           \_\_\_\_\_(3)

A grade of C or better is required, whereas a C- or below is unacceptable, in all classes leading to the minor in Recreation & Leisure Studies, including the cognate courses.

Students wishing to pursue a minor in Recreational & Leisure Studies must petition the Department for admission. All students who enroll in Human Performance (PE) activity courses must purchase and wear a required uniform for activities.

For supporting teacher certification in Human Performance, 24-semester credit hours are required in the Department through enrollment in the following three-credit courses: PE 127, PE 233, PE 337, PE 338, PE 339, PE 378, PE 437, and one upper level PE course. The cognate courses as above listed are also required.

In summary, students must gain admission to the University, must meet THEA responsibility if the student plans to pursue a teaching certificate must petition the Department for admission, and must qualify for the Educator Preparation Program if their degree requirements lead to teacher certification. Requirements for the Educator Preparation Program should be reviewed carefully by all interested students. Additional information may be obtained from the Department office at (713) 313-7087.

**TEXAS SOUTHERN UNIVERSITY  
DEPARTMENT OF HEALTH AND KINESIOLOGY  
MINOR IN SPORT MANAGEMENT**

For a minor in Sport Management, the following courses (21 semester credit hours) are required through enrollment in the following courses as well as Cognate Courses (3 semester credit hours) as indicated below:

Courses:

SPMT 134        \_\_\_\_\_(3)

SPMT 135        \_\_\_\_\_(3)

SPMT 273        \_\_\_\_\_(3)

SPMT 279        \_\_\_\_\_(3)

SPMT 332        \_\_\_\_\_(3)

SPMT 333        \_\_\_\_\_(3)

SPMT 434        \_\_\_\_\_(3)

or SPMT 476

Cognate Courses required:

PE 127            \_\_\_\_\_(3)

A grade of C or better is required, whereas a C- or below is unacceptable, in all classes leading to the minor in Sport Management, including the cognate courses.

Students wishing to pursue a minor in Sport Management must petition the Department for admission. All students who enroll in Human Performance (PE) activity courses must purchase and wear a required uniform for activities.

For supporting teacher certification in Human Performance, 24-semester credit hours are required in the Department through enrollment in the following three-credit courses: PE 127, PE 233, PE 337, PE 338, PE 339, PE 378, PE 437, and one upper level PE course. The cognate courses as above listed are also required.

In summary, students must gain admission to the University, must meet THEA responsibility if the student plans to pursue a teaching certificate must petition the Department for admission, and must qualify for the Educator Preparation Program if their degree requirements lead to teacher certification. Requirements for the Educator Preparation Program should be reviewed carefully by all interested students. Additional information may be obtained from the Department office at (713) 313-7087.







## COLLEGE OF LIBERAL ARTS AND BEHAVIORAL SCIENCES

### OVERVIEW

The College of Liberal Arts and Behavioral Sciences is the largest and most diversified instructional unit at Texas Southern University. The College offers twelve (12) undergraduate or baccalaureate degrees and five (5) graduate degrees through nine (9) departments, housed in different locations on the main campus. Students are referred to the sections below for information concerning the departments. Students should also refer to the Graduate Bulletin of Texas Southern University for detailed descriptions of the five graduate degrees. A summary of the degrees and departments appears in the chart below:

Department	Undergraduate Degrees	Graduate Degrees
<b>English</b>	Bachelor of Arts in English	Master of Arts in English
<b>Foreign Languages</b>	Bachelor of Arts in Spanish	
<b>History and Geography</b>	Bachelor of Arts in History	Master of Arts in History
	Bachelor of Arts in General Studies	
<b>Human Services and Consumer Sciences</b>	Bachelor of Science in Dietetics	
	Bachelor of Science in Human Services and Consumer Sciences	Master of Science in Human Services and Consumer Sciences
<b>Music</b>	Bachelor of Arts in Music	
<b>Psychology</b>	Bachelor of Arts in Psychology	Master of Arts in Psychology
<b>Social Work</b>	Bachelor of Arts in Social Work	
<b>Sociology</b>	Bachelor of Arts in Sociology	Master of Arts in Sociology
<b>Visual and Performing Arts</b>	Bachelor of Arts in Art	
	Bachelor of Arts in Theatre	

The College of Liberal Arts and Behavioral Sciences offers all students who matriculate at the University the opportunity to choose an integrated major called “General Studies.” This major leads to the earning of a Bachelor of Arts Degree. Students are required to complete a number of courses across several disciplines along with the standard undergraduate core curriculum. In providing this degree option, students who do not want to focus on a narrowly defined major have the opportunity to develop a broader world view and prepare for a variety of careers. Students who wish to pursue the Bachelor of Arts degree in General Studies are mentored and advised in the Department of History, Geography and Economics and should contact the department for further information at the telephone number given below.

Although a degree in Women’s Studies is not offered at the undergraduate level at the University, the College of Liberal Arts and Behavioral Sciences provides a non-degree interdisciplinary program which seeks to examine women’s lives, culture, and history in all their complex multiplicities. This body of information can be attained through enrollment in the following courses: ENG 239, ENG 440, HIST 349, HSCS 335, POLS 499, SOC 460, and SOCW 333. For further information, contact the Department of History, Geography, and Economics at (713)-313-7814.

The organization of the College is patterned on a conventional model of Dean and faculty chairs as programmatic supervisors. The Associate Dean is charged with administrative matters related to student affairs and acts on the Dean’s behalf in certain matters. The Office of the Dean is located in Room 315 of Barbara Jordan/Mickey Leland Building and may be contacted by calling (713)-313-4287.

## MISSION STATEMENT

The mission of the College of Liberal Arts and Behavioral Sciences is to educate every individual to live knowledgeably, responsibly, and humanely. In an effort to have highly employable graduates, the College seeks to provide the knowledge and understanding necessary for its majors to perform successfully in their specific disciplines, as well as in education, mass communications, politics, the international areas, and the performing arts. Thus, the goals of the College are:

1. To prepare students to demonstrate oral and written communications.
2. To prepare students to think and read critically and analytically.
3. To prepare students to obtain employment or admission to graduate and professional schools.
4. To prepare competent professionals and leaders capable of providing solutions to the problems in the urban environ of the nation and the world.
5. To expose students to a variety of literary and cultural experiences.

These goals are attendant to the mission which is ordered so as to accomplish the general educational aims of the University, while providing specialized training in selective areas of knowledge. Of special note is the fact that most of the Undergraduate Core Curriculum courses required for the conferral of the various undergraduate degrees at Texas Southern University are offered through the departments in the College of Liberal Arts and Behavioral Sciences.

Students (either new or transfer) who wish to enroll in one of the programs of study leading to undergraduate degrees offered through the College of Liberal Arts and Behavioral Sciences must first gain admission to Texas Southern University through adherence to the policies and procedures established by the Office of Admissions. Once admitted, students are assigned to Student Academic Enhancement Services until they fulfill placement test requirements, eradicate deficiencies identified at the time of admission, and fulfill prerequisites established by the various departments in the College. While under the guidance of Student Academic Enhancement, students should develop a rapport with the departments in which they intend to declare majors and minors (if required). The departmental offices provide advisement upon request to students who are not yet eligible to declare majors and who are trying to fulfill prerequisites that must be met in order to declare majors or minors. In either case, students should consult the respective department section of this document for detailed information.

Once admitted or while applying for admission, students who need financial aid or assistance should contact the Office of Financial Aid at the University. Former students in the College who were enrolled for credit within the year prior to registration are not required to apply for readmission. However, students who last attended one year or more, prior to registration, are required to file applications for readmission and submit transcripts from all colleges attended since their last enrollment at Texas Southern University.

## GENERAL COLLEGE POLICIES

1. All students enrolled in the College of Liberal Arts and Behavioral Sciences are required to follow the sequence of courses outlined in their respective degree plans.
2. Students pursuing undergraduate degrees in the College may or may not be required to declare a minor; hence, the respective departmental information describing the various degrees should be consulted regarding this matter.

## GOOD ACADEMIC STANDING

To remain in good academic standing in the College, students must meet the requirements for good academic standing and are subject to the probationary and suspension policies set by the University as referenced under the Academic Regulations described in this document.

Students pursuing majors and/or minors through the various departments in the College of Liberal Arts and Behavioral Sciences are strongly cautioned that many of the curricula of study offered have specific GPA and grade requirements that exceed the overall good academic standing policy of the University. Students enrolled in such programs must also meet these requirements in order to remain in good standing as designated majors and minors.

## **STUDENT ORGANIZATIONS AND PERFORMING GROUPS**

Various student organizations operate in the College and are housed in the nine member departments. Students should contact the respective departments if they are interested in these organizations. In addition, a number of ensemble groups perform under the guidance of the Department of Music. Students interested in participating in student organizations and performing groups should contact the respective department for further information.

### **ACCREDITATION**

All programs in the College of Liberal Arts and Behavioral Sciences are accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, but some programs have professional accreditation as well. The Bachelor of Arts Degree in Social Work is accredited by the Council on Social Work Education, and the Bachelor of Science in Dietetics is accredited by the American Dietetic Association.

### **RIGHT TO MODIFY**

The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy or requirement during the time that students are enrolled. Courses are also subject to change.

### **DESCRIPTION OF DEPARTMENTS IN THE COLLEGE**

The nine departments in the College of Liberal Arts and Behavioral Sciences are described in detail on the pages that follow in the order referenced in the chart at the beginning of this section.

## DEPARTMENT OF ENGLISH

The mission of the Department of English is to teach literature and language arts at the core curriculum level for all undergraduates and at the baccalaureate level for majors and minors. Through its courses and programs, the Department of English aims to equip students to succeed in academic endeavors in college as well as in graduate and professional schools and to prepare them to assume responsible roles in society.

The Department of English offers courses leading towards two degrees, one undergraduate and one graduate: the Bachelor of Arts (B.A.) Degree in English, with two tracks, Non-Teaching, Track I, and Teaching, Track II, and the Master of Arts (M.A.) Degree in English.

**Students interested in the Master of Arts Degree in English should consult the Graduate School Bulletin of Texas Southern University for further information.**

In selecting English as a major or a minor, students must formally register in the Department of English and must seek requisite guidance from departmental advisors. Students wishing to petition for an English major or minor must have minimum GPAs of 2.50 in English and must have grades of “C” or better in all English courses completed at the time their petitions are made. For the baccalaureate or undergraduate degree, students must satisfactorily complete a minimum of 123 semester hours for the B.A. Degree in English, Track I, and 123 semester hours for the B.A. Degree in English, Track II.

Students majoring in the English Track I option (non-teaching) are required to declare minors in a second academic discipline. Students majoring in the English Track II option (teaching certification) must take 21 hours of Education Courses in EDCI, including student teaching and six hours of required reading courses, in lieu of a minor.

Grades of “C” or better are required in all courses dedicated to either the major or the minor program. No course offered through the Department can be used to satisfy both a core curriculum requirement and a major requirement for graduation. To be eligible for graduation as English majors, students must follow a program of specific course requirements as well as successfully complete an exit examination.

**Course requirements for the major and minor programs are summarized as follows:**

1. **For the major in English, Non-Teaching Track I**, 123 semester hours are required, including the following three-credit courses: ENG 231 (prerequisite ENG 230), ENG 301, ENG 302, ENG 303, ENG 304, ENG 338, ENG 430, ENG 432, ENG 433, and ENG 440 or ENG 441.
2. **For the major in English, Teaching Track II**, 123 semester hours are required, including the following three-credit courses: ENG 231 (prerequisite ENG 230), ENG 301, ENG 302, ENG 303 or ENG 304, ENG 338, ENG 430, ENG 432, ENG 433, and ENG 440 or ENG 441. Individuals interested in seeking certification for teaching in the public schools of Texas should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.
3. **For the minor in English**, 21 semester credit hours are required, including the following three-credit courses: ENG 231 (prerequisite ENG 230), ENG 301, ENG 302, ENG 303 or ENG 304, ENG 338, ENG 430, ENG 432, and ENG 440 or 441.

### **Professional Writing Certificate**

For certification in professional writing, TSU students in any major must complete 9 hours of coursework (with a 3.0 or above average), including all prerequisites, plus approved portfolio. Concentration options are for **Technical Writing** (ENG 338, ENG 412, ENG 536, SC 336, BADM 230) or for **Creative Writing** (ENG 320, ENG 347, ENG 350, ENG 352).

The offices of the Department of English and of the faculty in the Department are located in Martin Luther King Center, with the Department Office located in Room 106. Questions may be directed to the Department Office at (713) 313-7214.

## LISTING OF FACULTY IN THE DEPARTMENT

<p>Brooks de Vita, Alexis            Professor            B.A., University of Vermont            M.A., Ph.D., University of Colorado-Boulder            brooksdevitaa@tsu.edu            713-313-7214            MLK 139</p>	<p>Saldivar, Rhonda            Associate Professor and Chair            B.A., Spelman College            M.S., George Peabody College            Ph.D., Peabody at Vanderbilt            saldivar_rx@tsu.edu            713-313-7667            MLK 107/170</p>
<p>Burgess, Linda Johnson            Assistant Professor            B.A., M.A., Texas Southern University            Ph.D., University of Missouri            johnsonla@tsu.edu            713-313-7928            MLK 169</p>	<p>Samples, Ronald C.            Associate Professor            B.A., Texas Southern University            M.A., Ph.D., Rice University            samples_rc@tsu.edu            713-313-7218            MLK 142</p>
<p>Butler, Thorpe A.            Professor            B.A., Rice University            M.A., Ph.D., Claremont Graduate School            butler_at@tsu.edu            (713) 313-7663            MLK 143</p>	<p>Saylors, Rita            Associate Professor            B.A., University of Texas-Austin            M.A., Ph.D., University of Houston            saylors_rx@tsu.edu            713-313-7666            MLK 142</p>
<p>Evans, Charlene T.            Professor            B.A. University of Texas at Austin            M.A. Atlanta University            M.A., Ph.D. Rice University            evnas_ct@tsu.edu            (713) 313-7094            MLK 146</p>	<p>Sollars, Michael D.            Associate Professor            B.A., University of Missouri, Columbia            M.A., Ph.D., University of Missouri, Kansas City            sollars_md@tsu.edu            713-313-7654            MLK 165</p>
<p>Jennings, Arbolina L.            Assistant Professor            B.A., Notre Dame College (Ohio)            M.A., New York University            jennings_al@tsu.edu            713-313-7661            MLK 152</p>	<p>Turner, Billy Joe            Assistant Professor            B.A., Texas Southern University            M.A., University of Virginia            turner_bj@tsu.edu            713-313-7659            MLK 162</p>
<p>Kilgore-Kimble, Donna            Instructor            B.A., Huston-Tillotson College            M.A., Texas Southern University            kimble_dk@tsu.edu            713-313-7536            MLK 168</p>	<p>Zeitler, Michael A.            Associate Professor            B.A. University of California, Santa Cruz            M.A., Ph.D., Johns Hopkins University            Zeitlerma@tsu.edu            713-313-7413            MLK 147</p>
<p>Moore, Shirley W.            Professor            B.A., Texas Southern University            M.A., Ph.D., Rice University            moore_sw@tsu.edu            713- 313-7652            MLK 141</p>	<p>Conerly, Joyce            Administrative Assistant            English Department            conerly_jy@tsu.edu            713-313-7916            MLK 106</p>

## DEVELOPMENTAL ENGLISH COURSES

**ENG 129** Introduction to English Fundamentals (3)  
A course designed to prepare students to develop college level writing proficiency and to master the skills measured on state and national required tests such as the Texas Higher Education Assessment (THEA) and ASSET Examination. Focus on sentence structure, usage, mechanical conventions, and paragraph development. Three hours of lecture and one hour of laboratory per week. Listed as ENGL 0100 in the Texas Common Course Numbering System.

**ENG 130** English Fundamentals (3)  
A course in basic reading and writing skills that concentrates on grammar, sentence structure, paragraph and essay development. Exemption by satisfactory score on the Texas Higher Education Assessment (THEA) or ASSET Examination. Three hours of lecture and one hour of laboratory per week. Listed as ENGL 0300 in the Texas Common Course Numbering System.

## ENGLISH COURSES

**ENG 131** **Freshman English I** (3)  
First of a two-part composition course in which students analyze essays that are samples of rhetorical modes and write competent multi-paragraph essays utilizing formal principles of grammar, usage, mechanics, rhetoric, and style. Three hours of lecture per week. Prerequisite: ENG 130 or satisfactory score on the ASSET exam. **Listed as ENGL 1301 in the Texas Common Course Numbering System.**

**ENG 132** **Freshman English II** (3)  
Second half of a two-part composition course designed to improve and extend students' skills in organizing and developing persuasive and analytical essays, to enhance knowledge of literary genres, and to provide instruction in research skills needed in the preparation of documented essays. Three hours of lecture per week. Prerequisite: ENG 131 with a grade of C or better. **Listed as ENGL 1302 in the Texas Common Course Numbering System.**

**ENG 230** **World Literature I** (3)  
Survey of masterpieces of poetry, prose, and drama from antiquity through the Renaissance. Three hours of lecture per week. Prerequisites: ENG 131 and ENG 132 with a grade of C or better. **Listed as ENGL 2332 in the Texas Common Course Numbering System.**

**ENG 231** **World Literature II** (3)  
Survey of masterpieces of poetry, prose, and drama from the Enlightenment to the present. Three hours of lecture per week. Prerequisites: ENG 131 and 132 with a grade of C or better. **Listed as ENGL 2333 in the Texas Common Course Numbering System.**

**ENG 235** **American Literature** (3)  
Survey of the prose, poetry, and drama of the United States from the colonial period to the present. Three hours of lecture per week. Prerequisites: ENG 131 and 132 with a grade of C or better. **Listed as ENGL 2328 in the Texas Common Course Numbering System.**

**ENG 244** **African American Literature** (3)  
Survey of African American literature with emphasis on major authors and movements. Three hours of lecture per week. Prerequisites: ENG 131 and ENG 132 with a grade of C or better.

**ENG 301** **Great American Writers I**  
Survey of major works of American literature from pre-colonial to 1865. The course emphasizes literary movements, genres, and themes. Required of English majors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.

- ENG 302**                      **Great American Writers II**                      **(3)**  
 Survey of major works of American literature from 1865 to the present. The course emphasizes literary movements, genres, and themes. Required of English majors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 303**                      **Great British Writers I**                      **(3)**  
 Survey of major works of British literature from its beginnings through the eighteenth century. Required of English majors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 304**                      **Great British Writers II**                      **(3)**  
 Survey of major works of British literature from the nineteenth century to the present. Required of English majors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 305**                      **Mythology in Literature**                      **(3)**  
 Study of classical and other myths, legends, and folktales, with emphasis on original works and mythology in literature. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 320**                      **Introduction to Creative Writing**                      **(3)**  
 Creative writing workshop in which students study the intricacies of literary terminology, techniques, genres, and mechanics in various works of fiction and poetry. Three hours of lecture per week. Prerequisites: Completion of all required 200-level ENG courses.
- ENG 336**                      **The Novel**                      **(3)**  
 Study of the novel as a genre and of its various forms from the picaresque to the contemporary novel. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 338**                      **Advanced Composition**                      **(3)**  
 Practice in the use and analysis of rhetorical techniques as exemplified in selected prose models. Three hours of lecture per week. Students will be encouraged to develop facility with both formal and informal discourse and will write criticism, factual reports, commentary, autobiography, and various other forms. This course is required for all English majors and minors. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 339**                      **Women's Literature**                      **(3)**  
 A study of the distinctly female tradition in literature, by examining the style and content of women's fiction, poetry, drama, and non-fiction. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 341**                      **Literature and Film**                      **(3)**  
 A study of the relationships between the two media, literature and film, by exploring works linked by genre, topic, and style. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 342**                      **Chinese Literature**                      **(3)**  
 A study of Chinese fiction, poetry, and historical writing in English translation. Students may enrich their readings with selected media and film. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 343**                      **African Literature**                      **(3)**  
 A study of the literature of Africa and of the works of Africana writers, in English translation. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.



- ENG 347**                      **Workshop in Creative Writing**                      **(3)**  
 A creative writing workshop course in poetry and fiction. Offered during the summer session.  
 Prerequisite: Completion of all required 200-level ENG courses.
- ENG 350**                      **Fiction Workshop**                      **(3)**  
 A course in which students write, discuss, criticize, and revise original works of short fiction, with student-instructor conferences and class discussion of student writing. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 351**                      **Grammar Review Workshop**                      **(3)**  
 Comprehensive review/study of basic grammatical structures of edited American English: vocabulary development, spelling, punctuation, sentence structure, mechanics, syntax, writing revisions, and proofreading. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 352**                      **Poetry Workshop**                      **(3)**  
 A course in which students write, discuss, criticize and revise original works of poetry with student-instructor conferences and class discussion of student writing. Three hours of lecture per week. Prerequisite: ENG 320 and consent of the instructor. Offered during the fall semester of even-numbered academic years.
- ENG 367**                      **Latin American Literature**                      **(3)**  
 Study of the novel and various other forms of literature as they developed in Latin America from colonial times to the twentieth century, in English translation. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 412**                      **Seminar in Technical Writing**                      **(3)**  
 A course which offers focused instruction in Technical Writing and leads to Certification. Students learn specific technical writing skills of professions such as business, government, and science and demonstrate these through project proposals, response papers, abstracts, summaries, memos and letters, Powerpoint presentations, and various types of business and industry reports. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 430**                      **History and Theory of the English Language**                      **(3)**  
 Introduction to the principles of language theory and to the history of the English language. Required of English majors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 432**                      **Capstone Seminar**                      **(3)**  
 A senior level culmination of baccalaureate studies and preparation for work in academic and professional environments. Students prepare a capstone project in order to demonstrate mastery of skills in research, writing, editing, and documentation. Students compile a portfolio of critical essays, review literary history and major literary works, and take a comprehensive exam on literature and language. Course is required of English majors and English minors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 433**                      **Shakespeare and Renaissance Studies**                      **(3)**  
 Study of selected tragedies, histories, comedies, and non-dramatic works by William Shakespeare, set in the context of the English Renaissance. Required of English majors and minors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 437**                      **Principles of Literary Criticism**                      **(3)**  
 Historical study of critical approaches to literature applied in the appraisal of selected works. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level required ENG courses.

- ENG 438**                      **Masterpieces of Modern Theatre**                      **(3)**  
Study of drama, focusing on masterpieces of the twentieth century. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level required ENG courses. May be offered in conjunction with SPAN 438.
- ENG 439**                      **The Teaching of English**                      **(3)**  
The study and application of philosophies, objectives, methods, and materials used in teaching English at the secondary level. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 440**                      **African American Literature: Poetry and Drama**                      **(3)**  
Study of selected poetry and drama written by African-American authors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 441**                      **African American Literature: Fiction and Criticism**                      **(3)**  
Study of fiction and criticism written by African-American authors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 450**                      **Independent Reading and Research in Modernist Literature**                      **(3)**  
Reading and research in modernist literature, for advanced English majors and minors. Prerequisites: Senior standing as an English major or minor and consent of both the Faculty Chair and the instructor.

CURRICULUM SUMMARY FOR BACHELOR OF ARTS DEGREE IN ENGLISH, TRACK I TOTAL CREDITS REQUIRED: 123			
CORE CURRICULUM (STANDARD)*	MAJOR (ENGLISH)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	42 credits	16 credits	21 credits
ENG 131 (3)**	ENG 231 (3)	Foreign Language (12)	Contact
ENG 132 (3)	ENG 302 (3)	Elective (3)	department of
SC 135 or 136 (3)	ENG 303 (3)	FS 102 (1)	choice for advisement on
MATH 133 (3)	ENG 304 (3)		minor courses,
BIOL 143 or	ENG 338 (3)		after being accepted
CHEM 111, 131 (4)	ENG 430 (3)		and advised on the
PHYS 101 or	ENG 432 (3)		major program
GEOL 141 (4)	ENG 433 (3)		by the English
THC 130 or	ENG 440 or 441 (3)		faculty advisor or
ART 131 or	<b>Plus</b>		the English Chair.
ART 132 or	(15) additional		
MUSI 131 or	upper-level		
MUSI 239 (3)	ENG credits		
HIST 231 (3)	approved by		
HIST 232 (3)	either the		
POLS 231 (3)	faculty advisor		
POLS 232 (3)	or the		
PSY 131 (3)	Faculty Chair***		
CS 116 (3)			
ENG 230 (3)			

\* Students should be advised by a major advisor prior to registering for any credit, particularly for any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Electives are selected from any 300-level or 400-level English courses.

**English Department  
Texas Southern University  
Bachelor of Arts in English  
Track I (Non-Teaching Plan)  
Four Year Degree Plan - Total Credits: 123**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SPAN (or FR) 131 Elementary Spanish (or FR) I	3	SPAN (or FR) 132 Elementary Spanish (or FR) II	3
	FS 102 Freshman Seminar SC 135 Business Professional Communication or 136 Public Address	1 3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	PHYS 101 Principles of Physical Science	4
	BIOL 143, 143L Survey of Life Science I	4	MATH 133 College Algebra	3
		17 hrs		16 hrs

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	ENG 231 World Literature II	3
	SPAN (or FR 231) Intermediate Spanish (or FR) I	3	SPAN (or FR) Intermediate Spanish (or FR) II	3
	POLS 231 American Political System I	3	POLS 232 American Political System II	3
	PSY 131 General Psychology	3	Art, Music or Theater	3
	HIST 131 World History to 1500	3	CS 116 Computer Science	3
		15 hrs		15 hrs

Third Year	Fifth Semester		Sixth Semester	
	ENG 302 Great American Writers	3	ENG 338 Advanced Composition	3
	ENG 303 Great British Writers I	3	ENG 304 Great British Writers II	3
	Approved English elective	3	Approved English elective	6
	Minor	3	Minor	3
	Minor	3		
		15 hrs		15 hrs

Fourth Year	Seventh Semester		Eighth Semester	
	ENG 432 English Capstone	3	ENG 430 History & Theory of Languages Study	3
	ENG 433 Shakespeare & Renaissance Studies	3	ENG 440 or 441 African American Literature	3
	Approved Elective	3	Approved English elective	3
	Minor	6	Minor	6
	15 hrs		15 hrs	

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN ENGLISH, TRACK II  
TOTAL CREDITS REQUIRED: 123**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (ENGLISH)</b>	<b>OTHER REQUIREMENTS</b>	<b>CERTIFICATION PROGRAM</b>
<b>44 credits</b>	<b>36 credits</b>	<b>19 credits</b>	<b>24 credits</b>
ENG 131 (3)**	ENG 231 (3)	Foreign Language (12)	EDCI 310 (3)
ENG 132 (3)	ENG 302 (3)	EDCI 350 (3)	EDCI 328 (3)
SC 135 or 136 (3)	ENG 303 or 304 (3)	GEOG 132 (3)	EDCI 339 (3)
MATH 133 (3)	ENG 338 (3)	FS 102 (1)	EDCI 340 (3)
BIOL 143 or	ENG 430 (3)		EDCI 464 (6)
CHEM 111, 131 (4)	ENG 432 (3)		RDG 400 (3)
PHYS 101 or	ENG 433 (3)		RDG 402 (3)
GEOL 141 (4)	ENG 439 (3)		
THC 130 or	ENG 440 or 441 (3)		
ART 131 or	<b>Plus</b>		
ART 132 or	Approved electives (9)***		
MUSI 131 or			
MUSI 239 (3)			
HIST 231 (3)			
HIST 232 (3)			
POLS 231 (3)			
POLS 232 (3)			
PSY 131 (3)			
CS 116 (3)			
ENG 230 (3)			

\* Students should be advised by a major advisor prior to registering for any credit, particularly for any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* **Electives are selected from any 300-level or 400-level English courses.**

**English Department**  
**Texas Southern University**  
**Bachelor of Arts in English**  
**Track II with Teacher Certification for English Language Arts & Reading Grades 8-12**  
**Four Year Degree Plan - Total Credits: 123**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SPAN (or FR) 131 Elementary Spanish (or FR) I	3	SPAN (or FR) 132 Elementary Spanish (or FR) II	3
	FS 102 Freshman Seminar SC 135 Business & Professional Communication or 136 Public Address	1 3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	PHYS 101 Principles of Physical Science	4
	BIOL 143, 143L Survey of Life Science I	4	MATH 133 College Algebra	3
		17 hrs		16 hrs

Second Year	Third Semester		Fourth Semester	
	ENG 230 World Literature I	3	ENG 231 World Literature II	3
	SPAN (or FR) 231 Intermediate Spanish (or FR) I	3	SPAN (or FR) 232 Intermediate Spanish (or FR) II	3
	POLS 231 American Political System I	3	POLS 232 American Political System II	3
	PSY 131 General Psychology	3	Art, Music or Theater	3
	GEOG 132 World Geography	3	CS 116 Computer Science	3
		15 hrs		15 hrs

Third Year	Fifth Semester		Sixth Semester	
	ENG 302 Great American Writers	3	ENG 338 Advanced Composition	3
	ENG 303 or 304 Great British Writers I & II	3	ENG 430 History & Theory of Language Study	3
	ENG 433 Shakespeare & Renaissance Studies	3	ENG 440 or 441 African American Literature	3
	Approved English Elective	3	Approved English Elective	3
	EDCI 310 Principles of Foundation of Education	3	EDCI 339 Classroom Management	3
	EDCI 328 Psychology of Learning Growth, and Development	3	EDCI 350 Instructional Strategies	3
	18 hrs		18 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	ENG 432 English Capstone	3	EDCI 464 Directed Student Teaching in High School	6
	Approved English Elective	6	EDCI 340 Instructional Technology II	3
	RDG 400 Content Area Reading	3		
	RDG 402 Informal Diagnosis	3		
	15 hrs		9 hrs	

## DEPARTMENT OF FOREIGN LANGUAGES

The mission of Foreign Languages is to provide education in foreign languages and studies in global culture and literature. Through its courses and programs the department will prepare students with professional fluency in language, communicative skills, knowledge of history, society and culture of the world, capability of language instruction, and will develop students' skills in critical thinking and analysis in literature and culture. The department is dedicated to support the students for success in career and life in the global community.

The Department of Foreign Languages offers courses leading towards the Bachelor of Arts Degree in Spanish, and Minor in French and Spanish. The Department also offers the following Chinese courses in foreign language education: CHNS 131, CHNS 132, CHNS 231, CHNS 232.

In selecting major in Spanish or minor in French or Spanish, students must register in the Department of Foreign Languages and seek advisement from departmental advisors. For the baccalaureate or undergraduate degree, students must satisfactorily complete a minimum of 121 semester hours for the B.A. Degree in French or Spanish. Students majoring in French or Spanish are required to declare a minor. **Grades of "C" or better are required in all courses dedicated to either the major or the minor program.** No course offered through the Department can be used to satisfy both a core curriculum requirement and a major requirement for graduation.

To be eligible for graduation as French minor or Spanish major or minor, students must follow a program of specific course requirements. Course requirements for the major and minor programs are summarized as follows:

- 1. For the major in Spanish, 120 semester hours are required.** Students must take a total of twelve three-credit courses. Students must take sequentially: SPAN 131, SPAN 132, SPAN 231, and SPAN 232. After taking SPAN 331, SPAN 332, they will have to take six more courses from the following list: SPAN 333, SPAN 334, SPAN 335, SPAN 336, SPAN 438, SPAN 441, SPAN 444, and SPAN 445.
- 2. For the minor in French, 21 semester credit hours are required,** including the following three-credit courses: FR 231, FR 232, FR 331, FR 335, FR 347, FR 432, FR 438, and FR 439.
- 3. For the minor in Spanish, 21 semester hours are required** beyond SPAN131, including at least 12 hours at the 300 or 400 level from the following courses: SPAN 331, SPAN332, SPAN333, SPAN334, SPAN335, SPAN336, SPAN438, SPAN441, SPAN444, SPAN445, a total of seven three-credit courses.

**The Department of Foreign Languages is located on the third floor of Martin Luther King Center with the Department Main Office located in Room 301. Questions may be directed to the Department Office at (713)-313-1324, or e-mail at [languages@tsu.edu](mailto:languages@tsu.edu).**

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Boles, Miryan</b>  <b>Visiting Instructor</b>                  B.A., Central University, Quito Ecuador                  M.A., Universidad de Salamanca, Spain  <a href="mailto:bolesmi@tsu.edu">bolesmi@tsu.edu</a>                  713-313-7615                  MLK 315</p>	<p><b>Garcia, Maria Carmen</b>  <b>Associate Professor</b>                  B.A., M.A., University of Texas at Brownsville                  Ph.D., University of Houston  <a href="mailto:garcia_mc@tsu.edu">garcia_mc@tsu.edu</a>                  713-313-7064                  MLK 300</p>
<p><b>Casals, Alicia</b>  <b>Visiting Instructor</b>                  B.A., Instituto Magisterial de Tienta y Tres, Uruguay                  M.A., University of Houston  <a href="mailto:casalsa@tsu.edu">casalsa@tsu.edu</a>                  713-313-7612                  MLK 308</p>	<p><b>Gonzales, Antonio</b>  <b>Visiting Instructor</b>                  B.A., University of Maryland                  M.A., University of Tennessee                  J.D., Miles College School of Law  <a href="mailto:gonzaleza@tsu.edu">gonzaleza@tsu.edu</a>                  713-313-1335                  MLK 315</p>
<p><b>Caussin, Marylise</b>  <b>Associate Professor</b>                  B.A., M.A., La Sorbonne, Paris                  Ph.D., University of Louisiana at Lafayette  <a href="mailto:caussinm@tsu.edu">caussinm@tsu.edu</a>                  713-313-7650                  MLK 306</p>	<p><b>Sun, Haiqing</b>  <b>Associate Professor, Interim Chair</b>                  B.A., M.A., Peking University, Beijing                  Ph.D., University of Southern California  <a href="mailto:sunh@tsu.edu">sunh@tsu.edu</a>                  713-313-7022                  MLK 314</p>

(Note: Adjunct Faculty will be listed in the department website under the College of Liberal Arts and Behavioral Sciences.)

### FRENCH COURSES

<b>FR 131</b>	<p><b>Elementary French I</b> (3)                  Fundamentals of French pronunciation and grammar with drills in spoken and written French. Three hours of lecture per week. <b>Listed as FREN 1311 in the Texas Common Course Numbering System.</b></p>
<b>FR 132</b>	<p><b>Elementary French II</b> (3)                  Continuation of FR 131. Three hours of lecture per week. Prerequisite: FR 131. <b>Listed as FREN 1312 in the Texas Common Course Numbering System.</b></p>
<b>FR 231</b>	<p><b>Intermediate French I</b> (3)                  Review of French pronunciation and grammar using a reader and more advanced classroom and laboratory materials. Two hours of lecture and one hour of laboratory per week. Prerequisite: FR 132. <b>Listed as FREN 2311 in the Texas Common Course Numbering System.</b></p>
<b>FR 232</b>	<p><b>Intermediate French II</b> (3)                  Continuation of FR 231. Two hours of lecture and one hour of laboratory per week. Prerequisite: FR 231. <b>Listed as FREN 2312 in the Texas Common Course Numbering System.</b></p>
<b>FR 331</b>	<p><b>Review of French Grammar and Composition</b> (3)                  Review of French grammar with emphasis on the more difficult structures and idioms. Concurrent practice in conversation and diction provided. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 231 and FR 232.</p>
<b>FR 335</b>	<p><b>Scientific French</b> (3)                  Individualized readings in the physical, natural, and social sciences to familiarize students with the specialized vocabulary of their field in translating from French to English. Graduate students may substitute the passing of this course with a grade of "B" or better for the graduate foreign language reading examination. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or consent of the instructor.</p>



- FR 347**                                    **Contemporary France I**                                    (3)  
Study of French institutions and movements since the beginning of the twentieth century, including transportation, politics, education, geography, industrialization, social classes, world wars, and fine arts. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or consent of the instructor.
- FR 432**                                    **Business French**                                    (3)  
Designed to present specialized vocabulary, methods, and techniques pertaining to how to conduct French business, to enable students to prepare business documents and letters. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or consent of the instructor.
- FR 438**                                    **Directed Study**                                    (3)  
Study of a single topic, particular work, or author under the direction of a faculty member. Prior approval for enrollment needed from the Faculty Chair. May be retaken for credit. Prerequisites: Senior standing as a French major and consent of both the Faculty Chair and instructor.
- FR 439**                                    **French Influence in Africa**                                    (3)  
Study of the importance of the French presence in French-speaking African countries utilizing critical and analytical approaches that will allow students to acquire an understanding of the language and culture of contemporary French Africa. Three hours of lecture per week. Prerequisites: Senior standing as a French major and consent of both the Faculty Chair and instructor.

#### SPANISH COURSES

- SPAN 131**                                    **Elementary Spanish I**                                    (3)  
Fundamentals of Spanish pronunciation and grammar along with intensive listening/speaking and reading/writing skills development. Three hours of lecture per week. **Listed as SPAN 1311 in the Texas Common Course Numbering System.**
- SPAN 132**                                    **Elementary Spanish II**                                    (3)  
Continuation of SPAN 131. Three hours of lecture per week. Prerequisite: SPAN 131. **Listed as SPAN 1312 in the Texas Common Course Numbering System.**
- SPAN 231**                                    **Intermediate Spanish I**                                    (3)  
Application of grammar; elementary composition; media-aided listening and reading proficiency; focused development of aural-oral skills. Two hours of lecture and one hour of laboratory per week. Prerequisites: SPAN 131 and SPAN 132 or the equivalent. **Listed as SPAN 2311 in the Texas Common Course Numbering System.**
- SPAN 232**                                    **Intermediate Spanish II**                                    (3)  
Analysis of grammar; translation; media-aided listening and reading proficiency; focused development of aural-oral skills. Two hours of lecture and one hour of laboratory per week. Prerequisite: SPAN 231. **Listed as SPAN 2312 in the Texas Common Course Numbering System.**
- SPAN 305**                                    **Study of Hispanic Film**                                    (3)  
Provision of critical examination of films by representing directors in the Hispanic world, focusing on presentation of Hispanic culture, history and society through the lens of cinema. Elective course. Prerequisite: SPAN 231.
- SPAN 331**                                    **Review of Grammar and Composition**                                    (3)  
Provision of intensive training in reading comprehension, grammar, and writing. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 231 and SPAN 232.
- SPAN 332**                                    **Conversation and Diction**                                    (3)  
Communication practice designed to develop a superior level of oral proficiency. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 231 and SPAN 232.

- SPAN 333**                    **Introduction to Spanish Literature I**                    (3)  
Survey of representing works of Spanish literature from the Middle Ages through the Golden Age. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 334**                    **Introduction to Spanish Literature II**                    (3)  
Survey of major works of Spanish literature from the Neoclassical period to the present. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 335**                    **Introduction to Latin American Literature I**                    (3)  
Survey of major works of Latin American writers from colonial times to the beginning of the Mexican Revolution. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 336**                    **Introduction to Latin American Literature II**                    (3)  
Survey of major works of Latin American writers of the 20<sup>th</sup> century. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 438**                    **Masterpieces of World Theatre**                    (3)  
Study of selected dramas in modern theatre, focusing on the masterpieces of the twentieth century. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 441**                    **Hispanic Culture and Civilization**                    (3)  
Survey of the culture and the civilization of the Hispanic world from prehistoric times to the modern era. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 444**                    **Masterpieces of Hispanic Literature**                    (3)  
Study of representing works from the Spanish-speaking nations and communities within the United States. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 445**                    **Directed Study**                    (3)  
Research of special topic in Hispanic study, or particular works or authors, under the direction of a faculty advisor. Prior approval for enrollment needed from the Faculty Chair. May be retaken for credit. Prerequisite: Senior standing as a Spanish major or minor and consent of both the Faculty Chair and instructor.

#### CHINESE COURSES

- CHNS 131**                    **Elementary Chinese I**                    (3)  
Fundamentals of Chinese pronunciation and grammar along with basic development of listening/speaking and reading/writing skills. Three hours of lecture per week.
- CHNS 132**                    **Elementary Chinese II**                    (3)  
Continuation of CHNS 131. Fundamentals of Chinese pronunciation and grammar along with development of listening/speaking and reading/writing skills. Three hours of lecture per week. Prerequisite: CHNS 131.
- CHNS 231**                    **Intermediate Chinese I**                    (3)  
Application of grammar, elementary composition, media-aided listening and reading proficiency; focused development of writing and oral skills. Three hours of lecture and one hour of laboratory per week. Prerequisites: CHNS 131 and CHNS 132 or the equivalent.
- CHNS 232**                    **Intermediate Chinese II**                    (3)  
Analysis of grammar; translation; media-aided listening and reading proficiency; focused development of writing and communicative skills. Three hours of lecture and one hour of laboratory per week. Prerequisite: CHNS 231.

CURRICULUM SUMMARY FOR BACHELOR OF ARTS DEGREE IN SPANISH TOTAL CREDITS REQUIRED: 120			
CORE CURRICULUM (STANDARD)*	MAJOR (SPANISH)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
<b>44 credits</b>	<b>36 credits</b>	<b>19 credits<sup>^*</sup></b>	<b>21 credits <sup>^**</sup></b>
ENG 131 (3) <sup>**</sup>	SPAN 131 (3) <sup>***</sup>	ENG (3)	Contact department of
ENG 132 (3)	SPAN 132 (3) <sup>***</sup>	HIST (6)	choice after
SC 135 or 136 (3)	SPAN 231 (3)	FR 131 (3)	being admitted
MATH 133 (3)	SPAN 232 (3)	FR 132 (3)	as a major
BIOL 143 or	SPAN 331 (3)	General Elective (3)	and after receiving
CHEM 111, 131 (4)	SPAN 332 (3)	FS 102 (1)	advisement from
PHYS 101 or	SPAN 333 or 334 (3)		either the
GEOL 141 (4)	SPAN 335 or 336 (3)		Faculty Advisor or
THC 130 or	SPAN 441 (3)		the Faculty Chair.
ART 131 or	SPAN 438 or 444 (3)		
ART 132 or	SPAN 445 (3)		
MUSI 131 or	Elective (3)		
MUSI 239 (3)			
HIST 231 (3)			
HIST 232 (3)			
POLS 231 (3)			
POLS 232 (3)			
PSY 131 or			
SOC 157 (3)			
CS 116 (3)			
ENG 230 (3)			

\* Students should be advised by a major advisor prior to registering for any credit, particularly for any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* These courses may be replaced by an approved substitute at the time of advisement either by the major advisor or by the Faculty Chair.

<sup>^\*</sup> In "Other Requirements" the credits for history may be substituted by (6) credits from another discipline in Humanities. Spanish in double major needs (7) credits in "Other Requirements" including FS102.

<sup>^\*\*</sup> Minor is not required for Spanish in Double Major/ Dual Degree.

**College of Liberal Arts and Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Arts Degree in Spanish**  
**Four Year Degree Plan - Total Credits: 120**

First Year	First Semester		Second Semester	
	Spanish 131	3	Spanish 132	3
	English 131	3	English 132	3
	History 231	3	History 232	3
	Math 133	3	Physics 101 or Geology 141	4
	Speech 135 or 136	3	Theatre 130 or Art 131 or 132 or	
	FS 102 Freshman Seminar	1	Music 131 or 239	3
		16 hrs		16 hrs

Second Year	Third Semester		Fourth Semester	
	Spanish 231	3	Spanish 232	3
	English 230	3	Political Science 232	3
	Psychology 131 or Sociology 157	3	Computer Science 116	3
	Biology 143 or Chemistry 111 and 131	4	History---	3
	Political Science 231	3	Minor course	3
	16 hrs		15 hrs	

Third Year	Fifth Semester		Sixth Semester	
	Spanish 331	3	Spanish 332	3
	French 131	3	French 132	3
	Spanish Elective	3	English ---	3
	History---	3	Minor courses	6
	Minor course	3		
	15 hrs		15 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	Spanish 333 or 334	3	Spanish 441	3
	Spanish 335 or 336	3	Spanish 438 or 444	3
	Elective	3	Spanish 445	3
	Minor Courses	6	Minor Course	3
	15 hrs		12 hrs	

## MINOR PROGRAM

### For the minor in French

**21 semester credit hours are required**, including the following three-credit courses: FR 231, FR 232, FR 331, FR 335, FR 347, FR 432, FR 438, and FR 439.

<b>MINOR IN FRENCH (21 credits)</b>
FR 131 (3)*
FR 132 (3)*
<b>Take 7 courses from the following</b>
FR 231 (3)
FR 232 (3)
FR 331 (3)
FR 335 (3)
FR 347 (3)
FR 432 (3)
FR 438 (3)
FR 439 (3)

**\*Prerequisite, can be substituted by test for credits.**

### For the minor in Spanish

**21 semester hours are required** beyond SPAN131, including at least 12 hours at the 300 or 400 level from the following courses: SPAN 132, SPAN 231 , SPAN 232 , SPAN 331, SPAN332, SPAN333, SPAN334, SPAN335, SPAN336, SPAN438, SPAN441, SPAN444, SPAN445, a total of seven three-credit courses.

<b>MINOR IN SPANISH (21 credits)</b>
<b>21 credits beyond Span131 including at least 12 credits from the advanced courses-- 300 or 400 level courses</b>
SPAN 132 (3)
SPAN 231 (3)
SPAN 232 (3)
SPAN 331 (3)
SPAN 332 (3)
SPAN 333 or 334 (3)
SPAN 335 or 336 (3)
SPAN 441 (3)
SPAN 438 or 444 (3)
SPAN 445 (3)

## DEPARTMENT OF HISTORY AND GEOGRAPHY

The Department of History, Geography, and Economics is primarily responsible for the instruction of courses in History (HIST), Geography (GEOG), and Economics (ECON). In addition to course offerings in these disciplines, **two undergraduate degrees, the Bachelor of Arts (B.A.) in History, the Bachelor of Arts (B.A.) in General Studies, and one graduate degree, the Master of Arts (M.A.) in History, may be earned through this instructional unit. Minors are available in History, Geography, Economics, African Studies, African American Studies and Women's Studies for students majoring in a discipline that requires the declaration of a minor.** Members of the Department are housed on the third floor of the Public Affairs Building with the Department Office located in Room 30B.

**For detailed information on the Master of Arts in History, students are referred to the Graduate School Bulletin of Texas Southern University.**

The Department has a diverse mission that encompasses three distinct academic disciplines. Through the program of study in History, the Department is committed to providing students with modern research skills and computer skills that are appropriate to the discipline and to their chosen careers. On a more abstract level, it is the goal of the Department to increase students' awareness of the nature of history and the historical process, as well as to expand their knowledge of world history and American history while emphasizing the role of African Americans and other minorities. Through course offerings and the minor available in Geography, students are introduced to the environmental, cultural, and human aspects of the world and its various regions. In addition, they develop skills, through hands-on training, in areas such as cartography and geographic information systems. Through the course offerings and minor available in economics, the Department is committed to providing students with a strong background in both macro and micro economics, as well as the tools to perform economic analysis of local, national, and international issues, including the price system, market analysis, labor force characteristics, the process of capital formation, and tax systems. Through all programmatic offerings in the Department, students are prepared for careers in either the public sector or private industry, for post-graduate professional degrees (in law, medicine, or business, for example), and for graduate studies in either History or Economics. On a broader level, members of the Department view knowledge of history, geography, and economics as fundamental to the understanding of one's background and to developing an appreciation of diverse peoples and cultures as students are prepared to function effectively as citizens of their community, their nation, and the world.

**In pursuing either the Bachelor of Arts in History through this instructional unit, students (as first-time degree seekers) are required to declare a minor in a second academic discipline. In contrast, students pursuing the Bachelor of Arts in General Studies (as first-time degree seekers) are NOT required to declare a minor in a second academic discipline. Specific requirements for each undergraduate degree are presented elsewhere in this section, and students are cautioned that grades of "C" or better (where grades of "C-" are unacceptable) must be earned in all courses specified as either major courses or required courses for the minor selected unless otherwise stated below. An exit examination is also required of graduating seniors, and all history majors must complete HIST 420 during their senior year. In addition, students seeking either one of the two B.A. degrees in the disciplines offered are strongly urged to seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum or other requirements for the degree sought could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed.**

Students wishing to pursue one of the two undergraduate degrees or one of the six minors offered through the Department must first gain admission to the University, must satisfy THEA requirements or equivalent through the Student Academic Enhancement Services (SAES), and must petition the Department for admission as THEA requirements are completed. Once admitted, students are each assigned an official faculty advisor who must be consulted with each term to ascertain progress toward graduation. Students are also expected to keep the Department Office apprised of changes in addresses and telephone numbers. **Individuals interested in seeking certification for teaching in the public schools of Texas in academic disciplines offered through this unit should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.**

**For the minor in History, 21 semester credit hours are required** including the six hours required by the core and an additional 15 hours which must include two courses in world history and 9 hours at the 300-level or 400-level. The four required courses are as follows: HIST 131, HIST 132, HIST 231, and HIST 232.

**For the minor in Geography, 21 semester credit hours are required** through enrollment in no less than 12 semester credit hours at the 300-level or 400-level. All students must enroll in GEOG 132 (3 semester credits), must enroll for 6 semester credits from each of the focus areas listed below, and must enroll for 6 semester credits of electives selected from either focus area. Focus

area 1 for the minor in Geography focuses on Cultural/Human Geography and consists of the following three-credit courses that are described in detail elsewhere: GEOG 230, GEOG 231, GEOG 331, GEOG 332, GEOG 337, and GEOG 430. Focus area 2 for the minor in Geography focuses on Land Use Analysis and consists of the following courses that are described in detail elsewhere: GEOG 330 (3 credits), GEOG 338 (4 credits), GEOG 431 (3 credits), and GEOG 432 (3 credits).

**For the minor in Economics, 21 semester credit hours are required.** The following three-credit Economics courses are required for 12 of the 21 credits needed: ECON 231, ECON 232, ECON 330, and ECON 336. In addition, Economics minors must take six credits of upper-level Economics electives and a three credit statistics course, MGSC 239 or MATH 231. GEOG 332 (3 credits) may be substituted for one of the upper-level Economics electives.

**For the minor in African Studies, students must take 21 semester credit hours selected from the list below.** Of the 21 hours students must take: AFS 132 Introduction to African Studies, ART 137 Introduction to African Art, and three hours of a foreign language, either in French or an African language. . The remaining twelve credits must be chosen from among ART 135, ECON 443, ENG 243, FR 439, GEOG 132, GEOG 430, HIST 345, HIST 381, HIST 382, HIST 421, HIST 481, POLS 360, POLS 361, SC 432, SOC 238, or SOC 335. **Courses used to fulfill minor requirements in African Studies cannot be simultaneously used to fulfill a major requirement.**

**For the minor in African American Studies, 21 semester credit hours are required** through enrollment in four (4) three-credit courses and nine (9) additional credits at the 200-level or above. The four required courses are: HIST 321, ENG 244, POLS 410, and ART 139. The remaining nine credits may be selected from the following courses: HIST 322, HIST 381, HIST 382, HIST 478, HIST 481, SOC 254, SOC 335, ENG 243, ENG 440, ENG 441, POLS 412, ART 137, THC 339, and SC 436.

**For the minor in Women's Studies, 21 semester credit hours are required** through enrollment in five (5) three-credit courses and six (6) additional credits at the 200-level or above. The required courses are as follows: HIST 246 Introduction to Women's Studies, which should be taken first; ENG 339 Women's Literature; HIST 349 Women's History; SOC 460 Women in Society; and POLS 440 Seminar on Women's Political Issues. The remaining nine credits may be selected from courses which focus on women, including but not limited to SOC 221 Sociology of Human Sexuality; HIST 348 Women Empire; SOCW 333 Violence and Abuse in Families. Prerequisites: Completion of all required ENG 131, ENG 132, and 200-level core curriculum requirement.

**In summary, students must gain admission to the University, must satisfy ASSET requirements or equivalent, and must petition the Department for major or minor status upon completion of ASSET requirements. Each student admitted is assigned an official advisor, and students interested in certification for teaching in the public schools of Texas should contact the Teacher Certification Officer in the College of Education. An exit examination is required of graduating seniors. Further information may be obtained by contacting the Department Office at (713)-313-7794.**

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Batie, Clarence</b>  <b>Instructor</b>                      B.A., M.A., Prairie View A &amp; M University</p>	<p><b>Kossie-Chernyshev, Karen L.</b>  <b>Professor</b>                      B.A., M.A., Rice University                      M.A., Michigan State University                      Ph.D., Rice University</p>
<p><b>Beeth, Howard O.</b>  <b>Professor</b>                      B.A., M.A., Temple University                      Ph.D., University of Houston</p>	<p><b>Maddox, Gregory H.</b>  <b>Professor</b>                      B.A., University of Virginia                      Ph.D., Northwestern University</p>
<p>Chaudhuri, Nupur                      Professor                      B.A., University of Calcutta                      M. A.T., Smith College                      M.A., Ph.D., Kansas State University</p>	<p><b>Norman, Emlyn A.</b>  <b>Assistant Professor</b>                      B.A., University of New Brunswick                      M.A., Harvard University</p>
<p><b>Horvitz, Sigmund</b>  <b>Professor</b>                      A. B., M. A., Brown University                      L. L. B., University of Texas at Austin                      Ph.D., University of Houston</p>	<p><b>Pitre, Merline</b>  <b>Professor</b>                      B.S., Southern University                      M.A., Atlanta University                      M.A., Ph.D., Temple University</p>
<p><b>Keleta, Ethiopia</b>  <b>Professor</b>                      B.A., Haile Selassie University, Addis Ababa                      M.A., University of Texas at Austin                      Ph.D., Rice University</p>	<p><b>Wintz, Cary D.</b>  <b>Professor</b>                      B.A., Rice University                      M.A., Ph.D., Kansas State University</p>

## HISTORY COURSES

HIST 131	<p><b>World History to 1500</b> (3)                      General survey of civilization from prehistoric times to the present with emphasis on the development of the ideas, events, and institutions that make up the modern world. Three hours of lecture per week. <b>Listed as HIST 2311 in the Texas Common Course Numbering System.</b></p>
HIST 132	<p><b>World History since 1500</b> (3)                      Continuation of HIST 131. Three hours of lecture per week. <b>Listed as HIST 2312 in the Texas Common Course Numbering System.</b></p>
HIST 231	<p><b>Social and Political History of the United States to 1877</b> (3)                      Survey of the history of the United States with particular emphasis on the institutions and events which transformed America from an English colony to a world power. Three hours of lecture per week. <b>Listed as HIST 1301 in the Texas Common Course Numbering System.</b></p>
HIST 232	<p><b>Social and Political History of the United States since 1877</b> (3)                      Continuation of HIST 231. Three hours of lecture per week. <b>Listed as HIST 1302 in the Texas Common Course Numbering System.</b></p>
HIST 246	<p><b>Introduction to Women’s Studies</b> (3)                      Interdisciplinary in scope, this course introduces the study and contributions of women and gender as social categories that transform our understanding of culture, history, and society.</p>
HIST 321	<p><b>African American History to 1865</b> (3)                      Survey of the history of African Americans in the United States from the colonization of North America through the Civil War. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.</p>



- HIST 322 African American History since 1865 (3)**  
Continuation of HIST 321. Survey of the history of African Americans in the United States from the Civil War to the present. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 331 Modern Europe from 1450 to 1815 (3)**  
Examination of the political, social, and cultural history of Europe from the Renaissance through the French Revolution. Three hours of lecture per week. Prerequisites: HIST 131, HIST 132, HIST 231, and HIST 232.
- HIST 332 Modern Europe since 1815 (3)**  
Examination of the political, social, and cultural history of Europe from the Congress of Vienna to the end of the cold war. Three hours of lecture per week. Prerequisites: HIST 131, HIST 132, HIST 231, and HIST 232.
- HIST 341 Latin American History since 1500 (3)**  
**Examines the history of Latin America from the conquest in the sixteenth century to the present. Emphasizes the formation of society and the economy in the colonial era, the changes set in motion by independence in the nineteenth century, and the implications of industrialization in the twentieth century.**
- HIST 342 History of Mexico (3)**  
Explores the history of Mexico from the Spanish conquest in the sixteenth century to the present. Emphasizes the development of Mexico since independence. Particular attention is devoted to the evolving relationship between Mexico and the United States. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 343 History of Brazil (3)**  
Explores the history of Brazil from the onset of Portuguese colonization in the sixteenth century to the present. Emphasizes the significance of slavery in Brazil's development through the end of the nineteenth century, and the transformation of Brazil into a multiracial industrialized democracy in the twentieth century. Prerequisites: HIST 231 and HIST 232.
- HIST 344 Constitutional History of the United States (3)**  
**An examination of legal constitutional problems and issues in American history. Three hours of lecture per week.**
- HIST 348 Women and Empire (3)**  
Examination of the history of gender, sexuality, and racial and national identity. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 349 Women's History (3)**  
Survey of the history of women in the United States from the colonial period to the present. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 371 Texas History (3)**  
History of Texas from prehistoric times to the present. Special attention focused on the role of Texas as a crossroad between Anglo and Latin America. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 381 African Civilizations to 1800 (3)**  
Introduction to the rise of African civilizations from the first African civilization in Egypt through the period of the Atlantic slave trade. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 382 African Civilizations since 1800 (3)**  
Continuation of HIST 381. Examines the integration of African societies into the world economy and the responses of Africans to that integration. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

- HIST 410**                      **Archival Methods and Records Management**                      (3)  
Examination of the evolution of record collection and preservation in modern times. Students work directly with historical records. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 420**                      **Capstone Seminar**                      (3)  
Directed reading course that may be repeated for up to six hours credit. Open to senior History majors and minors and required of majors. Students must undertake an independent research project leading to the production of an article-length senior thesis. Three hours of lecture per week. Prerequisites: HIST 131, HIST 132, HIST 231, and HIST 232.
- HIST 421**                      **Topics in African Diaspora**                      (3)  
Directed readings course that may be repeated for up to six hours credit. Topics examine the history of the peoples of the African Diaspora. Three hours of lecture per week.
- HIST 430**                      **Topics in U.S. History**                      (3)  
Intensive study with reading and discussion of special topics in United States, African American, and world history. Special attention will be focused on selected national and international topics. Three hours of lecture per week. May be repeated for up to 9 credits as topics vary. Prerequisites: HIST 231 and HIST 232.
- HIST 431**                      **Topics in European History**                      (3)  
Directed readings course that may be repeated for up to six hours credit. Topics examine themes in the history of European civilization. Prerequisites: HIST 231 and HIST 232.
- HIST 432**                      **Topics in World History**                      (3)  
Directed readings course that may be repeated for up to six hours credit. Topics examine themes in the history of societies and cultures throughout the world. Prerequisites: HIST 231 and HIST 232.
- HIST 434**                      **Topics in Latin American History**                      (3)  
General study of the origins of the peoples, cultures, and politics of Latin America with special emphasis on the problems of colonialism, imperialism, and hemispheric solidarity. Prerequisites: HIST 231 and HIST 232. May be repeated for up to six credits as topics vary.
- HIST 438**                      **History of the South**                      (3)  
Examination of the South, including Houston during and after slavery with particular emphasis on race relations as well as cultural and economic development. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 439**                      **The United States since 1945**                      (3)  
Examination of the rapid social and political changes experienced by the United States since World War II with particular attention given to America's involvement in foreign affairs. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 447**                      **Modern African American History**                      (3)  
Examination of the background and events of the struggle for legal, political, and economic equality by African Americans up to the present day. Three hours of lecture per week. May be repeated as topics vary. Prerequisites: HIST 231 and HIST 232.
- HIST 451**                      **Mexican American History**                      (3)  
Examination of the Mexican-American people with special emphasis on Texas and the Southwest. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 471**                      **The American Revolution**                      (3)  
Examination of the explosive political, social, and cultural developments between 1763 and 1789 which culminated in a war for independence and the adoption of the U. S. Constitution. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

- HIST 478**                                 **Slavery**   **(3)**  
 Examination of the political, social, economic, and cultural impact of slavery on the Western world. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 479**                                 **Urban History of the United States**   **(3)**  
 Examination of the process of urbanization in American history with special emphasis on the role of ethnic minorities, Blacks, and Browns, in an urban nation. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 481**                                 **Topics in African History**   **(3)**  
 Series of specialized topics in African history. Topics include ancient African kingdoms, history of South Africa, and the Atlantic slave trade. May be repeated up to 6 credits as topics vary. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

#### AFRICAN STUDIES COURSE

- AFS 132**                                 **Introduction to African Studies**   **(3)**  
**This course is a multi-disciplinary course designed to give students a broad overview of African history, culture, economics, and art. Three hours of lecture per week.**

#### GEOGRAPHY COURSES

- GEOG 132**                                 **World Regional Geography**   **(3)**  
 Survey of the regions and nations of the planet and the geographical foundations of their physical and cultural characteristics. Three hours of lecture per week. **Listed as GEO 1303 in the Texas Common Course Numbering System.**
- GEOG 230**                                 **Urban Geography**   **(3)**  
 Study of the form, function, land use, structure, and core-periphery relations of urban areas. Three hours of lecture per week.
- GEOG 231**                                 **Geography of North America**   **(3)**  
 Geographical analysis of the nations of North America. Relationships among natural resources, social structure, and economic structure and development discussed. Three hours of lecture per week.
- GEOG 232**                                 **Population Geography**   **(3)**  
 Designed to demonstrate how spatial variations in the distribution, composition, migration, and growth of populations are related to spatial variations in the nature of places. Three hours of lecture per week.
- GEOG 330**                                 **Introduction to Cartography**   **(3)**  
 Introduction to the fundamentals of cartography, including basic computer mapping techniques. Three hours of lecture per week.
- GEOG 331**                                 **Geography of Texas**   **(3)**  
 Designed to acquaint students with the principal geographic factors influencing the development of the state of Texas. Three hours of lecture per week.
- GEOG 332**                                 **Economic Geography**   **(3)**  
 Consideration of oceans, rivers, and highways as carriers of trade and of factors of location, minerals, and population as determinants in the commercial development of our civilization. Three hours of lecture per week.
- GEOG 337**                                 **Geography of Asia**   **(3)**  
 Survey of the geography of Asia with emphasis on the Middle East, Far East, and Indochina. Three hours of lecture per week.

- GEOG 338**                      **Geographic Information Systems**                      (4)  
Survey of computerized spatial data handling systems for visual display or analytic modeling purposes. Three hours of lecture and one hour of laboratory per week. Prerequisite: CS 116 or the equivalent.
- GEOG 430**                      **The People and Culture of Africa**                      (3)  
Integrated overview of the African cultural history, social organizations, economic and political geography. Three hours of lecture per week.
- GEOG 431**                      **Geography of Health and Disease**                      (3)  
Study of the spatial distribution of diseases and their relationship to the environment and the geographical aspects of health-related activities. Three hours of lecture per week.
- GEOG 432**                      **Geography and Transportation**                      (3)  
Consideration of the nature of spatial interactions, the various kinds of transport media, and the relationship between transportation and economic and social patterns. Three hours of lecture per week.

### ECONOMICS COURSES

- ECON 131**                      **Introductory Economics**                      (3)  
An introduction to basic microeconomics and macroeconomic concepts and their application in the real world so that students can learn to appreciate what economics can do for them. One-semester course designed to satisfy requirements in other disciplines like Education, Medical Technology, Pharmacy, etc. Three hours of lecture per week. **Listed as ECON 1301 in the Texas Common Course Numbering System.**
- ECON 231**                      **Principles of Economics I**                      (3)  
Introduction to macro economic analysis pertaining to the overall performance of the economy. Emphasis on measurement of aggregate output, determination of the level of income and employment, and evaluation of various monetary and fiscal policies of government. Three hours of lecture per week. Prerequisites: 6 semester credits of Mathematics. **Listed as ECON 2301 in the Texas Common Course Numbering System.**
- ECON 232**                      **Principles of Economics II**                      (3)  
Introduction to micro economic analysis of pricing and output decisions, resource allocation, market structure, income distribution, and international trade. Problems of agriculture, labor unions, and other sectors of the economy addressed. Three hours of lecture per week. Prerequisites: 6 semester credits of Mathematics. **Listed as ECON 2302 in the Texas Common Course Numbering System.**
- ECON 315**                      **Environmental Economics**                      (3)  
Introduction to the economic analysis of environmental problems. Emphasis placed on the cause of environmental problems, types of externalities, determination of the optimal rate of pollution, alternative strategies for solving environmental problems, and the current state of U.S. environmental policy. Three hours of lecture per week. Prerequisite: ECON 131 or ECON 232.
- ECON 325**                      **Health Economics**                      (3)  
Introduction to the economic analysis of health services and health policy. Emphasis placed on the effects of uncertainty and incomplete information on the market for medical care and alternative strategies for controlling the cost of health care. Three hours of lecture per week. Prerequisite: ECON 131 or ECON 232.
- ECON 330**                      **Intermediate Microeconomics**                      (3)  
Economic theories pertaining to business and household decision-makers and to market behavior under various degrees of competition. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.

- ECON 332 Labor Economics (3)**  
Economic theories and analyses of labor markets, wages, rates, collective bargaining, labor legislation, unemployment, and other labor problems. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.
- ECON 336 Intermediate Macroeconomics (3)**  
Economic theories pertaining to the determination of aggregate income, output, employment, and price level. Economic policies to achieve stability and economic growth analyzed. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.
- ECON 337 Monetary Theory and Policy (3)**  
Study of the money supply and the impact of monetary policies on interest rates, prices, and the level of aggregate income. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.
- ECON 339 Economics of Money and Banking (3)**  
Theory and analysis of money, banking, and the financial system. Emphasis on money creation and the Federal Reserve System's control of the money supply. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.
- ECON 431 Economics of Public Finance (3)**  
Study of the theoretical structure employed in examining the economic role of government and the use of this structure to explore a number of current policy issues. Three hours of lecture per week. Prerequisites: ECON 330 and ECON 336 or consent of the instructor.
- ECON 436 Urban Economics (3)**  
Survey of urban economic problems, including those concerned with transportation, health services, and taxation. Analysis of alternative remedies for issues related to the urban economy addressed. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.
- ECON 437 Introduction to Econometrics (3)**  
Basic mathematical, statistical, and computer techniques used in estimating and testing relationships among economic variables. Three hours of lecture per week. Prerequisites: Six (6) semester credits in statistics.
- ECON 440 Managerial Economics (3)**  
Application of economic theory to managerial decision making with emphasis on optimization, uncertainty, demand theory, production theory, cost theory, and profit analysis. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.
- ECON 442 International Economics (3)**  
Analysis of problems and effects of international trade with emphasis on import-export imbalances, balance of payments, international flows of capital, foreign exchange rates, and international trade financing. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232. **Offered as needed.**
- ECON 443 Economics of Development (3)**  
Analysis of the problems and issues involved in the economic modernization of developing and third world nations. Various theories of economic development and their applicability in specific instances examined. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.

CURRICULUM SUMMARY FOR BACHELOR OF ARTS DEGREE IN HISTORY TOTAL CREDITS REQUIRED: 123			
CORE CURRICULUM (STANDARD)*	MAJOR (HISTORY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	30 credits	27 credits	21 credits
ENG 131 (3)**	HIST 131 (3)	ENG 2xx (3)	Contact either
ENG 132 (3)	HIST 132 (3)	Foreign	the Faculty Chair
SC 135 or 136 (3)	HIST 331 or 332 (3)	Language (12)^*	or the
MATH 133 (3)	HIST 420 (3)	MATH 231 (3)	Faculty Advisor for
BIOL 143 (4)	HIST 3rd World	General	recommendations
GEOL 141 (4)	Elective (3)	Electives (9-12)^**	regarding the
ENG 2xx (3)	HIST Electives (15)	FS 102 (1)	choice of
Visual &			a minor.
Performing			
Arts (3)***			
HIST 231 (3)			
HIST 232 (3)			
POLS 231 (3)			
POLS 232 (3)			
Social &			
Behavioral			
Sciences (3)****			
CS 116 (3)			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Select one of the following: THC 130, THC 231, MUSI 131, MUSI 239, ART 131, or ART 132.

\*\*\*\* Select one of the following: ECON 231; ECON 232; PSY 131; SOC 157; SOC 158; SOC 221; or SOC 238.

^\* The foreign language credits required may be substituted by (6) additional CS credits plus PA 301 to accompany CS 116 (3).

^\*\* When computer science courses are substituted for foreign language courses, an additional three (3) credits of electives will be required. All students must have a minimum of 120 credit hours to graduate.

**FS 102 Freshman Seminar** is required by all entering freshmen and new students.

**College of Liberal Arts & Behavioral Science**  
**Texas Southern University**  
**Bachelor of Arts Degree in History**  
**Foreign Language Track**  
**Four Year Degree Plan - Total Credits: 123**

First Year	First Semester		Second Semester	
	Natural Science	4	Natural Science	4
	Computer Science 116	3	Foreign Language	3
	English 131	3	English 132	3
	Visual and Performing Arts	3	History 232	3
	History 231	3	Math 133	3
	FS 102 Freshman Seminar	1		16 hrs
		17 hrs		

Second Year	Third Semester		Fourth Semester	
	English 2xx	3	English 2xx	3
	History 131	3	History 132	3
	Social and Behavioral Science	3	SC 135/136	3
	Math 231	3	Minor	3
	Foreign Language	3	Foreign Language	3
	15 hrs		15 hrs	

Third Year	Fifth Semester		Sixth Semester	
	Foreign Language	3	History 332 or Hist. elective	3
	History 331 or Hist. elective	3	History elective	3
	Minor	3	Minor	3
	History elective	3	Elective	3
	Political Science 231	3	Political Science 232	3
	15 hrs		15 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	History 420	3	History elective	3
	History elective	3	History elective	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	Elective	3	Elective	3
	15 hrs		15 hrs	

**College of Liberal Arts & Behavioral Science**  
**Texas Southern University**  
**Bachelor of Arts Degree in History**  
**Computer Science Track**  
**Four Year Degree Plan – Total Credits: 123**

First Year	First Semester		Second Semester	
	Natural Science	4	Natural Science	4
	Computer Science 116	3	Computer Science xxx	3
	English 131	3	English 132	3
	Visual and Performing Arts	3	History 232	3
	History 231	3	Math 133	3
	FS 102 Freshman Seminar	1		
		17 hrs		16 hrs

Second Year	Third Semester		Fourth Semester	
	English 2xx	3	English 2xx	3
	History 131	3	History 132	3
	Social and Behavioral Science	3	SC 135/136	3
	Math 231	3	Computer Science xxx	3
	Computer Science xxx	3	Minor	3
	15 hrs		15 hrs	

Third Year	Fifth Semester		Sixth Semester	
	History elective	3	History 332 or Hist. elective	3
	History 331 or Hist. elective	3	History elective	3
	Minor	3	Minor	3
	History elective	3	Elective	3
	Political Science 231	3	Political Science 232	3
	15 hrs		15 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	History 420	3	History elective	3
	PA 301	3	History elective	3
	Minor	3	Elective	3
	Minor	3	Elective	3
	Elective	3	Minor	3
	15 hrs		15 hrs	



CURRICULUM SUMMARY FOR BACHELOR OF ARTS DEGREE IN GENERAL STUDIES TOTAL CREDITS REQUIRED: 120			
CORE CURRICULUM (STANDARD)*	MAJOR (GENERAL STUDIES)	SPECIALTY REQUIREMENTS	OTHER REQUIREMENTS
45 credits	27 credits	24 credits <sup>^</sup>	24 credits
ENG 131 (3)**	CS 117 (3)	See Advisor <sup>^</sup>	Electives (24 credits)
ENG 132 (3)	ECON 231 (3)		See Advisor
SC 135 or 136 (3)	MATH 134, 135, or 136 (3)		
MATH 133 (3)	SOC 3xx (3)		
BIOL 143 (4) or CHEM 111, 131 (4)	GEOG 3xx or 4xx (6)		
Natural Sciences*** (4)	HIST 3xx (6)		
ENG 2xx (3)	ENG 3xx (3)		
Visual Performing Arts & Music (3)****			
HIST 231 (3)			
HIST 232 (3)			
POLS 231 (3)			
POLS 232 (3)			
Social & Behavioral Sciences (3)*****			
CS 116 (3)			
FS 102 (1) <sup>^^</sup>			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\*Select 4 SCH from University approved core curriculum in BIOL, CHEM, PHYS, or GEOL.

\*\*\*\* Select one of the following: THC 130, THC 231, MUSI 131, MUSI 239, ART 131 or ART 135.

\*\*\*\*\* Select one of the following: PSY 131, SOC 157, SOC 158, SOC 221, or SOC 238.

<sup>^</sup> The specialty is a focus (concentration) area agreed upon by the student and advisor. Fifteen (15) credits must be at the 300 and 400 level. Courses may be taken in more than one department to fulfill the specialty. *Students must obtain a grade of "C" or better in all major and specialty courses.*

<sup>^^</sup> Freshman Seminar is required for all new students as of Fall 2010.

**College of Liberal Arts & Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Arts Degree in General Studies**  
**Degree Plan - Total Credits: 120**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3	Natural Science	4
	CS 116 Introduction to Computer Science I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	CS 117 Introduction to Computer Science II	3
	Social & Behavioral Sciences	3	SC 135 or SC 136 Business & Professional Communication or Public Address	3
	BIOL 143 or Survey of Life or CHEM 111, 131 General Chemistry I	4	MATH 134, 135 or 136 Plane Trigonometry, Math for Business & Economic Analysis or Pre-Calculus Math	3
	FS 102 Freshman Seminar	1		
		17 hrs		16 hrs

Second Year	Third Semester		Fourth Semester	
	ENG 2xx Level English	3	POLS 232 American Political Systems II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	Visual Performing Arts & Music	3	ELECTIVE	3
	POLS 231 American Political Systems I	3	SPECIALTY	3
	ECON 231 Principles of Economics I	3	SPECIALTY	3
	ELECTIVE	3		
		18 hrs		15 hrs

Third Year	Fifth Semester		Sixth Semester	
	HIST 3xx Upper Level History	3	GEOG 3xx or 4xx Upper Level Geography	3
	GEOG 3xx or 4xx Upper Level Geography	3	HIST 3xx Upper Level History	3
	ENG 3xx Upper Level English	3	ELECTIVE	3
	SOC 3xx Upper Level Sociology	3	ELECTIVE	3
	SPECIALTY	3	SPECIALTY	3
	15 hrs		15 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	ELECTIVE	3	SPECIALTY	3
	ELECTIVE	3	SPECIALTY	3
	ELECTIVE	3	SPECIALTY	3
	SPECIALTY	3	ELECTIVE	3
		12 hrs		12 hrs

## DEPARTMENT OF HUMAN SERVICES AND CONSUMER SCIENCES

### Program Overview:

**The Department of Human Services and Consumer Sciences is one of several units in the College of Liberal Arts and Behavioral Sciences.** Formerly known as the Department of Home Economics, the Department of Human Services and Consumer Sciences offers degrees at the bachelor's and master's levels. Degrees offered at the bachelor's level include the Bachelor of Science (B.S.) in **Dietetics** and the Bachelor of Science (B.S.) in **Human Services and Consumer Sciences**. Students seeking the Bachelor of Science in Human Services and Consumer Sciences may elect to focus in one of the following areas: **Child and Family Development, Food and Nutrition, Composite Family and Consumer Sciences, Family and Consumer Sciences with Certification, or Human Development and Family Studies with Certification**. Additionally, the department offers minors in **Child and Family Development, Composite Family and Consumer Sciences** and **Food and Nutrition**.

The Human Services and Consumer Sciences Department (HSCS) is housed in the Cecelia Scott Lane Building. The Department Office is located in room 103 of that facility. HSCS Department personnel may be contacted at 713-313-7230.

### Department Mission:

The mission of the Department of Human Services and Consumer Sciences is to improve the quality of life for individuals and families in the global society through high quality programs, outreach services and research. In its endeavor to achieve its mission, the Texas Southern University Human Services and Consumer Sciences Department seeks to prepare self empowered, competent individuals from diverse backgrounds for entrepreneurial, leadership, entry level professional roles, and advanced study in dietetics, human development, food science, human nutrition, family, consumer, and community services. The program is designed to: 1) provide instructional and clinical experiences that satisfy the competencies needed for dietetic entry careers as well as to provide the competencies needed for entry into dietetic and professional internships; 2) prepare competent family and consumer sciences professionals and child development professionals; and 3) provide students with the competencies necessary to enter graduate and professional schools and/or gain entry level careers in human development, family relations, consumer, human nutrition, and other related careers that service the needs of individuals, families and children, especially those in urban environs.

**\*Students interested in the Master of Science in Human Services and Consumer Sciences should refer to the Graduate School Bulletin of Texas Southern University for details.**

### Matriculation Requirements:

In pursuing either the B.S. degree in Dietetics or the B.S. degree in Human Services and Consumer Sciences, students are not required to declare a minor in a second academic discipline as all HSCS fields of study are composite majors. The B.S. degree program in Dietetics is accredited by the Accreditation Council for Education in Dietetics (ACED) of the American Dietetic Association. As such, students are required to follow the guidelines set forth for the Dietetics program and the Department of Human Services and Consumer Sciences. Specific requirements for both the Bachelor of Science in Dietetics and the Bachelor of Science degree in Human Services follow.

#### 1. Grade Requirements:

- All students who major in HSCS programs of study must earn grades of “C” or better in all courses specified as major and cognate courses (thus, grades of “C-” or less are unacceptable).
- In addition to earning grades of “C” or better in major courses, Dietetic majors must also earn grades of “C” or better in all required Mathematics, Science, and English courses.
- Beginning Fall 2012, students entering the Dietetics program must have and maintain a minimum 2.75 G.P.A by the end of their sophomore year.
- Beginning Fall 2014, students entering the Dietetics program must have and maintain a minimum 3.0 G.P.A. by the end of their sophomore year.

#### 2. Exam Requirements:

- All HSCS majors (both Dietetic and Human Services and Consumer Sciences degree seekers) must take and pass an Exit Exam in their area of specialty before graduating.
- In addition, Dietetic majors must pass the Dietetic Rising Junior Examination at the end of the sophomore level.

### 3. Health Insurance:

- Health insurance is required of all Dietetic students participating in practical experiences as a condition of the affiliation agreements with host sites.

### 4. Health Tests:

- All HSCS majors must observe immunization record and health test requirements of clinical and practicum host sites.

### 5. Background Checks:

- A background check is required of any student participating in a HSCS or Dietetics practicum or clinical experience. Students are referred to the Harris County Criminal Courts Customer Service Department to request a background check. Students are responsible for any associated fees or paperwork.

Students desiring to pursue one of the two undergraduate degrees or the minor offered through the Department must first gain admission to the University, must satisfy ASSET and or equivalent requirements and must complete identified deficiencies through Student Academic Enrichment Services (SAES). They must also petition the Department for admission as ASSET and/or equivalent requirements are completed. Once admitted, students will be assigned an official faculty advisor with whom they must consult on a semester or term basis to ascertain progress toward completion of major degree or minor requirements. Individuals interested in seeking certification for teaching in the public schools of Texas in academic disciplines offered through this unit should contact the Director of Certification in the College of Education at Texas Southern University for application instructions.

Additionally, majors in Human Services and Consumer Sciences disciplines should be advised that major courses, especially at the upper level, are offered in rotational sequences. Further, lower level major courses should be completed before enrolling in upper level courses. To ensure quality instruction and outcome competencies, course sequence restrictions will be observed for all HSCS majors.

## Description of HSCS Academic Programs

### Dietetics Program

Accredited by the Academy of Nutrition and Dietetics, the Dietetics program is designed for students desirous of becoming registered dietitians and/or nutritionists employed in health, community, business, research, private and educational agencies/facilities. Career options include, but are not limited to clinical, research, food production/management, pediatric, oncology, nutrition entrepreneur, gerontology, sports, cardiovascular and wellness dietitians. The program requires 123 semester hours, a Rising Junior Examination, and an Exit Examination. To meet eligibility requirements for becoming a Registered Dietitian, the following steps must be followed:

#### Requirements For Becoming a Registered Dietitian

Eligibility for the Registration Examination for Dietitians is determined by evaluation of current requirements as established by the Commission on Dietetic Registration (CDR). **The present eligibility requirements address academic preparation and supervised practice as explained below.**

1. Complete a minimum of a bachelor's degree at a U.S. regionally accredited university or college and course work approved by the Accreditation Council for Education in Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND)
2. Complete an ACEND-accredited supervised practice program at a healthcare facility, community agency, or a food service corporation, or combined with undergraduate or graduate studies. Typically, a practice program will run six to twelve months in length.
3. Pass a national examination administered by the Commission on Dietetic Registration (CDR).
4. Complete continuing professional educational requirements to maintain registration.  
Source: The Academy of Nutrition and Dietetics (AND).

## Human Services and Consumer Sciences Baccalaureate Programs

### Child and Family Development Program

The area of Child and Family Development focuses on growth throughout the life span as well as family dynamics and the impact thereof on individual family members. This program prepares individuals for management, entrepreneurial and other professional careers in agencies, institutions, and programs that focus on services for children, youth, adults and families. Some career options include: case workers, parent educators, family-child educators, recreation workers/play therapists, civil servants in family service units of police departments, early childhood professionals in private, parochial, and public schools (with certification); and owners/directors of schools for young children. A total of 121 semester hours are required for completion of requirements in this program area.

### Family and Consumer Sciences Program

Courses in this holistic area of study focus on providing opportunities for the development of competence in family and consumer program development and leadership. In addition, students may opt to receive certification in Human Development and Family and Consumer Sciences. Career options include secondary Vocational Family and Consumer Sciences Teacher Certification (in cooperation with the College of Education); family and consumer sciences....extension and adult program development/directorship; consumer counseling; eldercare...service providers, directors, entrepreneurs; and customer service representatives. A total of 120 semester hours are required for completion of the Composite Family and Consumer Sciences program (without certification); 120 semester hours are required for the Human Development and Family Studies certification program; and 120 semester hours are required for the Composite Family and Consumer Sciences program with certification.

### Food and Nutrition Program

The Food and Nutrition program emphasis is designed for persons desirous of pursuing careers as food production managers, and supervisors; health/food inspectors; caterers; hotel and restaurant managers; hospitality hosts; and food service supervisors/managers in institutional and cafeteria settings. A total of 121 semester hours are required for completion of this program emphasis area.

### Minor in HSCS Focus Areas:

The minor offered in Human Services and Consumer Sciences is unique in that it offers students the opportunity to choose one of three tracks in Human Services and Consumer Sciences. Those tracks are **Child and Family Development, Composite Family and Consumer Sciences, and Food and Nutrition**. The various tracks for the minor are specified below. Grades of “C” or better must be earned in all courses referenced for the minor. Additionally, minors in Human Services and Consumer Sciences disciplines should be advised that **courses** leading to the minor are **offered on a rotational cycle** (especially upper level courses). Further, **lower level** courses requirements must be completed **before** enrolling in **upper level** courses.

For the **Child and Family Development track toward the minor in** Human Services and Consumer Sciences, the following courses, totaling 21 semester credit hours, are required with the grade restrictions referenced above: CFDV 233 (3 credits); CFDV 234 (3 credits); CFDV 235 (3 credits); CFDV 333 (3 credits), CFDV 432 (3 credits), and six (6) additional CFDV restricted elective credits at the 300-level or 400-level.

For the **Composite Family and Consumer Sciences track toward the minor in** Human Services and Consumer Sciences, the following courses, totaling 21 semester credit hours, are required with the grade restrictions referenced above: CFDV 233 (3 credits), CT 130 (3 credits), FN 233 (3 credits), HSCS 233 (3 credits), FCS 436 (3 credits), and six (6) additional HSCS, CFDV, CT, or in elective credits at the 300-level or 400-level.

For the **Food and Nutrition track toward the minor in** Human Services and Consumer Sciences, the following courses, totaling 21 semester credit hours, are required with the grade restrictions referenced above: FN 233 (3 credits), FN 253 (3 credits), FN 337 (3 credits), and twelve (12) additional FN restricted elective credits at the 300-level or 400-level.

To ensure quality instruction and outcome competencies, course sequence restrictions will be observed for all HSCS minors.

The University reserves the right to change any policy, fees or requirement at any time that students are enrolled. Courses are also subject to change.

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Ahmed, Selina</b>  <b>Associate Professor</b>                      B.Sc., M.Sc., College of Home Economics, Dhaka, Bangladesh                      Ph.D., Texas Women's University</p>	<p><b>Morgan, Annie</b>  <b>Associate Professor</b>  <b>Director of Didactic Program in Dietetics</b>                      B.S., Grambling State University                      M.S., University of Nebraska                      Dr.P.H. University of Texas –Houston Cntr.                      RD/LD (Registered/Licensed Dietitian)</p>
<p><b>Buckingham, Arlene</b>  <b>Visiting Instructor</b>                      B.S., M.S., Texas Southern University                      RD/LD (Registered/Licensed Dietitian)</p>	<p><b>Nealy, Shirley</b>  <b>Professor</b>                      B.S., Florida A &amp; M University                      M.A., Ph.D., Ohio State University</p>
<p><b>Dixon, Kimona Scurlock</b>  <b>Visiting Instructor</b>                      B.S., M.S., Texas Southern University</p>	<p><b>Oates, D. Vantrice</b>  <b>Associate Professor</b>                      B.S., M.A., Ed.D., Texas Southern University</p>
<p><b>Levy-Cullins, Dandy</b>  <b>Visiting Instructor</b>                      B.S., M.S., Texas Southern University                      Licensed CFLE</p>	

### ART AND DESIGN COURSES

<b>AD 130</b>	<p><b>Environmental Design</b> (2)                      Introduction to the elements and principles of design. Two hours of lecture per week.</p>
<b>AD 130L</b>	<p><b>Environmental Design Laboratory</b> (1)                      Laboratory course to accompany AD 130. Two hours of laboratory per week.</p>
<b>AD 131</b>	<p><b>Introduction to Housing</b> (2)                      Space planning, color schemes, and selection of residential furnishings and accessories according to lifestyle and budget considerations. Two hours of lecture per week. Co-requisite: AD 131L.</p>
<b>AD 131L</b>	<p><b>Introduction to Housing Laboratory</b> (1)                      Laboratory course to accompany AD 131. Two hours of laboratory per week. Co-requisite: AD 131</p>
<b>AD 435</b>	<p><b>Interior Space and Equipment Planning</b> (1)                      Planning, design, and budgeting of furnishings and equipment in residential environments. One hour of lecture. Co-requisite AD 435L; Prerequisites; Ad 131 and junior/senior status.</p>
<b>AD 435L</b>	<p><b>Interior Space and Equipment Planning Lab</b> (2)                      Planning, design, and budgeting of furnishings and equipment in residential environments laboratory course to accompany AD 435. Four (4) hours laboratory per week.                      Prerequisites: AD 131/AD 131L and Junior/Senior status.</p>

### CHILD AND FAMILY DEVELOPMENT COURSES

<b>CFDV 233</b>	<p><b>Family Relationships</b> (3)                      Study of interpersonal relationships within the family. Emphasis on analysis of differences in lifestyle and implications of interactions. Three hours of lecture per week.</p>
<b>CFDV 234</b>	<p><b>Survey of Early Childhood Development</b> (3)                      Study of the child's sequential development from conception through age twelve with primary emphasis on conception through eight years of age. Observations in appropriate settings required. Three hours of lecture per week.</p>

CFDV 235	<b>Interaction with Young Children</b> (3) Supervised observation and participation with two-to-six-year-old children in a laboratory setting. One hour of lecture per week. Prerequisites: CFDV 233 and CFDV 234.
CFDV 235L	<b>Interaction with Young Children Laboratory</b> (0) Laboratory course to accompany CFDV 235. Four hours of laboratory per week. Prerequisites: CFDV 233 and CFDV 234.
CFDV 331	<b>Methods of Child Study/Assessment of Young Children</b> (3) Study and interpretation of developmentally appropriate assessment techniques necessary for understanding and guiding the behavior of children. Observations in appropriate settings required. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235.
CFDV 332	<b>Children's Play: Development and Role</b> (3) Study of the theories of play and use of materials relating to broad areas of growth and development. Emphasis on application of theories to program areas and appropriate use of materials. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235.
CFDV 333	<b>Methods and Procedures in Early Childhood Development</b> (3) Program planning, implementation, and evaluation in the early childhood setting. Observation of children in supervised setting required. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235 and junior standing.
CFDV 334	<b>Pre-Adolescence and Adolescent Development</b> (3) Study of the physical, intellectual, emotional, social, and moral development of children from pubescence through adolescence. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235.
CFDV 335	<b>Independent Study</b> (3) Independent study in area of specialization. Prerequisites: Junior standing and consent of instructor.
CFDV 430	<b>Special Topics</b> (3) Intensive study of professional interest in child development. With class designation, this course may be used up to four (4) times for a total of twelve (12) hours. Senior Project. Project hours to be determined by the instructor of record. Junior /Senior standing.
CFDV 431	<b>Theories in Child Development</b> (3) Survey of theories relevant to principles of learning in the cognitive, social/emotional, and physiological areas of development at the early childhood level. Observations in appropriate settings required. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235. Junior or Senior standing
CFDV 432	<b>Children's Literature</b> (3) Analysis of children's books with emphasis on literacy and language development enhancement for children. Extensive reading of books by outstanding authors and illustrators included. Three hours of lecture per week. Prerequisite: Junior or senior standing.
CFDV 433	<b>Multicultural Strategies</b> (3) Study of the impact of various cultures on the American system with implications for early childhood program development. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235. Junior or Senior standing
CFDV 434	<b>Practicum I</b> (3) Educationally directed and supervised practical experience in an early childhood setting or family service agency. Three hours of lecture per week. Prerequisites: CFDV 234, CFDV 235, and Senior standing.

- CFDV 435**                                        **Child Nutrition**                                        **(3)**  
Principles of nutrition affecting growth and development from conception through early childhood. Emphasis on menu planning, preparation, portion control, and nutritional requirements in early childhood programs. Three hours of lecture per week. Prerequisite: FN 233 and Junior /Senior standing.
- CFDV 436**                                        **Parenting**                                        **(3)**  
Study of theoretical procedures and techniques for use in guiding the behavior and development of the child. Application of current research on parenting models utilized. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235 and Junior/Senior standing.
- CFDV 437**                                        **Capstone in Child & Family Development**                                        **(3)**  
Comprehensive study of the integrative, synergistic nature of the field of Child & Family Development from a historical, theoretical, and practical perspective. Prerequisite: Senior standing.

### CLOTHING AND TEXTILES COURSES

- CT 130**                                        **Clothing Behavior**                                        **(3)**  
The psychological, sociological, and aesthetic aspects of clothing. Research project required. Three hours of lecture per week.
- CT 131**                                        **Basic Clothing Concepts**                                        **(1)**  
Study of basic clothing construction. One hour of lecture per week. Co-requisite: CT 131L.
- CT 131L**                                        **Basic Clothing Concepts Laboratory**                                        **(2)**  
Laboratory course to accompany CT 131. Four hours of laboratory per week. Co-requisite: CT 131.
- CT 233**                                        **Textiles I**                                        **(2)**  
Study of fiber properties, yarns, fabric structures, and finishes as related to serviceability. Two (2) hours of lecture per week. Co-requisite CT 131L.
- CT 233L**                                        **Textiles I Laboratory**                                        **(1)**  
Laboratory course to accompany CT 233. Two (2) hours of laboratory per week. Co-requisite: CT 233.

### DIETETICS/FOOD AND NUTRITION COURSES

- FN 111**                                        **Introduction to Dietetics**                                        **(1)**  
Introduction to Dietetics and the Academy of Nutrition and Dietetics (AND), including its purpose, membership requirements, professional ethics, by-laws, and career opportunities in dietetics, food service industries, and health care facilities. One hour of lecture per week.
- FN 233**                                        **Elementary Nutrition**                                        **(3)**  
Fundamental concepts of nutrition including terminology; physical and chemical properties of nutrients; food sources and functions; the body's utilization of food, nutrients, and calories (absorption, transport, and metabolism). Three hours of lecture per week.
- FN 253**                                        **Meal Management**                                        **(1)**  
Management principles of basic menu planning, including evaluation of associated costs; food purchasing and preservation; planning and service techniques for various occasions and income levels. One (1) lecture hour per week. Prerequisite: FN 233. Co-requisite: FN 253L.
- FN 253L**                                        **Meal Management Laboratory**                                        **(2)**  
Application of menu planning and production management techniques in a laboratory setting. Four (4) laboratory hours per week. Prerequisite: FN 233. Co-requisite: FN 253.
- FN 333**                                        **Diet Therapy for Health Professionals**                                        **(3)**  
Introduction to scientific principles and practices in the dietary care of patients during various stages of the life cycle. Emphasis on: team approach, nutrition assessment, documenting and charting, diet modification, and counseling. Three lecture hours per week. Prerequisite: FN 233, BIOL 131, BIOL 132, CHEM 131/111, and CHEM 132/112.



- FN 336**                      **Independent Study in Dietetics**                      **(3)**  
*(Formerly FN 336, Environmental Nutrition and World Hunger)*  
 Independent study in area of specialization. Prerequisite: Junior or Senior Standing and Consent of instructor.
- FN 337**                      **Human Nutrition**                      **(3)**  
 Advanced study of fundamental nutrition concepts (nutrients, digestion, absorption, metabolism, and fluid); electrolytes, and acid-base balances as they relate to the chemistry and physiology of the human body throughout the life cycle. Three hours of lecture per week. Prerequisites: FN 233, BIOL 131, BIOL 132, CHEM 131/111, and CHEM 132/112.
- FN 341**                      **Management Principles of Food Service Systems**                      **(4)**  
 Study of the organization, management and administration of various food service facilities including human resource management. Three (3) lecture hours and two (2) practicum hours per week. Prerequisites: FN 233, FN 253, and Junior /Standing.
- FN 343**                      **Junior Seminar in Dietetics**                      **(4)**  
 Comprehensive review of dietetics academic core and pre-professional requirements: emphasis on nutrition, medical nutrition therapy and principles/theories and food service management concepts. Three hours of lecture and two hours of laboratory per week. Prerequisites: CHEM 132, CHEM 231, BIOL 132, FN 233, FN 253, FN 333, FN 337, and FN 341.
- FN 413**                      **Independent Study in Dietetics**                      **(1)**  
 Independent study in area of specialization. Prerequisites: Senior standing and consent of instructor.
- FN 427**                      **Independent Study in Dietetics**                      **(2)**  
 Independent study in area of specialization. Prerequisites: Senior standing and consent of instructor.
- FN 428**                      **Nutrition Counseling**                      **(2)**  
*(Formerly FN 428 Nutrition Education)*  
 Study and application of nutrition knowledge and interpersonal and intrapersonal communication and counseling skills in dietetic settings. One (1) hour lecture and two (2) field/experiential learning experiences per week. Prerequisites: FN 343 and Senior standing.
- FN 430**                      **Special Topics in Dietetics and Foods and Nutrition**                      **(3)**  
 Intensive study of professional interest in foods and nutrition or dietetics. With class designation(s) and permission of instructor, this course maybe used up to four (4) times for a total of twelve (12) hours. Senior project. Project hours to be determined by the instructor of record. Prerequisite: Junior/Senior standing.
- FN 432**                      **Medical Nutrition Therapy I**                      **(3)**  
*(Formerly FN 432 Nutrition in Disease I)*  
 Application of nutrition knowledge and processes for assessing, formulating and developing nutrition care plans for managing cardiovascular and renal diseases, diabetes, obesity and digestive disorders. Two hours of lecture and two hours of practicum per week. Prerequisites: FN 333, FN 337, FN 343, CHEM 131/111, CHEM 132/112, CHEM 231/211, CHEM 343 and Senior standing.
- FN 433**                      **Medical Nutrition Therapy II**                      **(3)**  
*(Formerly FN 433 Nutrition in Disease II)*  
 Application of nutrition knowledge and processes for assessing, formulating and developing nutrition care plans for managing cancer, respiratory and gall bladder diseases. Two hours of lecture and two hours of practicum per week. Prerequisites: FN 333, FN 337, FN 343, CHEM 131/111, CHEM 132/112, CHEM 231/211, CHEM 343 and Senior standing.

- FN 434 Food Analysis and Research (1)**  
*(Formerly FN 434 Experimental Foods)*  
 Study of physical and chemical properties of basic food materials related to consumption, acceptability and nutritional values of food. Application of scientific research methods for analysis. One lecture hour per week. Prerequisites: FN 343, CHEM 231/211 and Senior standing.
- FN 434L Laboratory Experiences in Food Analysis and Research (2)**  
*(Formerly FN 434 Experimental Foods Laboratory)*  
 Laboratory experiences in the use of research methods applicable to food and nutrition. Four (4) laboratory hours per week. Prerequisites: FN 343, CHEM 231/211, and Senior standing.
- FN 436 Community Nutrition (3)**  
 Fundamentals of nutritional care delivery systems in community health programs and services with special references to nutritional problems of indigent population groups. Practical approach to nutrition education, interviewing, counseling, and changing food habits. Two hours of lecture and two hours of practicum per week. Prerequisite: FN 233, FN 253, FN 333, FN 337, FN 343, and Junior or Senior standing.
- FN 437 Capstone in Dietetics and Food and Nutrition (3)**  
 Comprehensive study of the field of Dietetics and Nutrition. Required Senior Exit Exam. Prerequisite: Senior standing.
- FN 438 Independent Study (3)**  
 Independent study in area of specialization. Prerequisites: Junior/Senior standing and consent of instructor.
- FN 442 Independent Study in Dietetics (4)**  
 Independent study in area of specialization. Prerequisites: Junior/Senior standing and consent of instructor.
- FN 461 Commercial Food Production (3)**  
*(Formerly FN 461 Quantity Cookery)*  
 Study of skills and knowledge required for quantity food production and merchandising. Three (3) lecture hours per week. Prerequisites: FN 253, FN 341 and Junior/Senior standing. Co-requisite: FN 461L.
- FN 461L Commercial Food Production Laboratory (3)**  
*(Formerly FN 461 Quantity Cookery Laboratory)*  
 Laboratory experiences in quantity food production and merchandising. Six laboratory hours per week. Prerequisites: FN 253, FN 341 and Junior/Senior standing. Co-requisite: FN 461.

#### HUMAN SERVICES AND CONSUMER SCIENCES COURSES

- HSCS 233 Seminar in Human Services & Consumer Sciences (3)**  
 Application of interdisciplinary concepts contributing to the physiological, psychosocial, intellectual development, and well-being of individuals and families. Discussion of the decision-making process relative to these concepts. Three hours of lecture per week.
- FCS 334 Career Opportunities in Family and Consumer Sciences (3)**  
 Survey of current professional opportunities and preparation for the job search process. Overview of the transition from a student to professional role. Three hours of lecture per week.
- FCS 335 Principles of Family and Consumer Sciences (3)**  
 Study and evaluation of the ethical principles related to the field of family and consumer sciences. May be used for family life certification. Three hours of lecture per week.

FCS 411	<b>Independent Study in Family and Consumer Sciences</b> Independent study in an area of specialization.	(1)
FCS 420	<b>Independent Study in Family and Consumer Sciences</b> Independent study in an area of specialization.	(2)
HSCS 430	<b>Research Methodology</b> A study of diverse research approaches focusing on methods for collecting and analyzing quantitative and qualitative data. Critique of research reports and development of a research proposal.	(3)
FCS 430	<b>Special Topics</b> Intensive study of professional interest in family & consumer sciences. With class designation, this course may be used up to four (4) times for a total of twelve (12) hours. Prerequisites: Junior Senior status or consent of instructor.	(3)
FCS 431	<b>Aging and Health Needs</b> Analysis of specific programs and services impacting the needs of an aging population, including health care, health care management, consumer issues, public policies, and familial relations.	(3)
FCS 432	<b>Program Planning and Methodology in Human Services and Consumer Sciences</b> Methods and procedures for planning, developing, and implementing programs in Human Services & Consumer Sciences. Three hours of lecture per week.	(3)
FCS 434	<b>Occupational Programs Public Policy</b> Planning and implementing programs in occupational family sciences. Study and evaluation of selected legislation and public policy related to family science and its impact of families. Three hours of lecture per week.	(3)
FCS 435	<b>Communication: Family and Marriage</b> Personal and professional growth and development through more effective communication within the family milieu and the marital unit. Three hours of lecture per week.	(3)
FCS 436	<b>Family Resource Management</b> Study of attitudes, concepts, skills, and understanding of consumers which contribute to their satisfaction in the choice of goods and services. Three hours of lecture per week. Prerequisite: HSCS 233.	(3)
HSCS 437	<b>Statistics</b> Survey of descriptive and inferential statistical techniques. Emphasis on understanding and interpreting statistical concepts used in research. Three hours of lecture per week.	(3)
FCS 438	<b>Family and Consumer Economics</b> Study of consumer management principles and income distribution patterns relative to time and money use decisions by the family. Three hours of lecture per week. Prerequisite: HSCS 233.	(3)
FCS 439	<b>Family and Community Services</b> Utilization of family and consumer sciences perspectives in family service agencies within government, public, and private sectors. One hour of lecture per week. Prerequisites: HSCS 233 and FCS 436.	(1)
FCS 439L	<b>Family and Community Services Laboratory</b> Practicum to accompany FCS 439. Four hours per week. Prerequisites: HSCS 233 and FCS 436.	(2)
FCS 440	<b>Survey of Human Development Over the Lifespan</b> Independent study in area of specialization.	(4)
FCS 441	<b>Capstone in Family and Consumer Sciences</b> Comprehensive study of the integrative, synergistic nature of the field of family sciences from a historical, theoretical, and practical perspective. The Senior Exit Examination also administered. Prerequisite: Senior Status	(3)

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN DIETETICS  
TOTAL CREDITS REQUIRED: 123**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (DIETETICS)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>47 credits</b>	<b>32 credits</b>
ENG 131 (3)**	FN 111 (1)	BIOL 131 (3)
ENG 132 (3)	FN 233 (3)	BIOL 132 (3)
SC 135 or 136 (3)	FN 253 (1)	BIOL 245 (4)
MATH 133 (3)	FN 253L (2)	BIOL 347 (4)
CHEM 111, 131 (4)	FN 333 (3)	CHEM 211, 231 (4)
CHEM 112, 132 (4)	FN 337 (3)	CHEM 343 (4)
ENG 2xx (3)	FN 341 (4)	HSCS 233 (3)
HIST 231 (3)	FN 343 (4)	FCS 432 (3)
HIST 232 (3)	FN 428 (2)	HSCS 437 (3)
POLS 231 (3)	FN 430 (3)	FS 102 (1)
POLS 232 (3)	FN 432 (3)	
SOC 238 (3)	FN 433 (3)	
CS 116 (3)	FN 434 (1)	
	FN 434L (2)	
	FN 436 (3)	
	FN 437 (3)	
	FN 461 (3)	
	FN 461L (3)	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. Students should also note that major courses are offered in a rotational cycle and course sequences are followed.

\*\* (N) represents the number of course credits.

\*\*\* Freshman Seminar is a university requirement for all first-time freshmen.

**College of Liberal Arts and Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Science Degree in Dietetics**  
**Academy of Nutrition and Dietetics (AND) Accredited**  
**4 Year Degree Plan with Houston Community College Equivalent\*- Total Credits: 123**

<b>First Year</b>	<b>First Semester</b>		<b>Second Semester</b>	
	FN 111 Introduction to Dietetics	1	FN 253 Meal Management	1
			FN 253L Meal Management	2
	FN 233 Elementary Nutrition	3	CHEM 111 General Chemistry Lab-(CHEM 1111) *	1
	HSCS 233 Seminar in HSCS	3	CHEM 131 General Chemistry I-(CHEM 1311) *	3
	ENG 131 Freshman English I-(ENGL 1301) *	3	ENG 132 Freshman English II-(ENGL 1302) *	3
	HIST 231 Social & Political History of the United States since 1877-(HIST 1301) *	3	HIST 232 Social & Political History of the United States since 1877-(HIST 1302) *	3
	MATH 133 College Algebra-(MATH 1314) *	3	MUSI 239 Fine Arts in Daily Living or THC 130 Introduction to Theatre-(Approved Accepted Humanities Course) *	3
	FS 102 Freshman Seminar	1		
	17 hrs		16 hrs	
<b>Second Year</b>	<b>Third Semester</b>		<b>Fourth Semester</b>	
	POLS 231 American Political Systems I-(GOVT 2301) *	3	SOC 238 Introduction to Anthropology-(ANTH 2302) *	3
	ENG 2xx Upper level English (ENGL 2328, 2332, 2333) *	3	SC 135 Business & Professional Communication or SC 136 Public Address-(SPCH 1321 or SPCH 1315) *	3
	BIOL 131 Biological Science I-(BIOL 1306) *	3	BIOL 132 Biological Science II-(BIOL 1307) *	3
	CS 116 Intro to Computer Science I-(COSO 1300) *	3	POLS 232 American Political Systems I-(GOVT 2302) *	3
	CHEM 112 General Chemistry Lab II-(CHEM 1112) *	1	CHEM 211 Organic Chemistry Lab-(CHEM 2123) *	1
	CHEM 132 General Chemistry II-(CHEM 1312) *	3	CHEM 231 Organic Chemistry I-(CHEM 2323) *	3
	16 hrs		16 hrs	
<b>Third Year</b>	<b>Fifth Semester</b>		<b>Sixth Semester</b>	
	FN 333 Diet Therapy for Health Professionals	3	FN 337 Human Nutrition	3
	FN 341 Mgmt Principles of Food Svc Sys	4	FN 343 Junior Seminar in Dietetics	4
	BIOL 245 Human Anatomy & Physiology	4	FN 430 Special Topics in Dietetics and Foods and Foods and Nutrition	3
	CHEM 343 Biochemistry	4	BIOL 347 Microbiology	4
	15 hrs		14 hrs	
<b>Fourth Year</b>	<b>Seventh Semester</b>		<b>Eighth Semester</b>	
	FN 428 Nutrition Counseling	2	FN 433 Medical Nutrition Therapy II	3
	FN 432 Medical Nutrition Therapy I	3	FN 436 Community Nutrition	3
	FN 434 Food Analysis and Research	1	FN 437 Capstone in Dietetics and Foods & Nutrition	3
	FN 434L Food Analysis and Research Lab FCS	2	FN 461 Commercial Food Production	3
	432 Program Planning & Methodology	3	FN 461L Commercial Food Production Lab	3
HSCS 437 Statistics	3			
	14 hrs		15 hrs	

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN  
HUMAN SERVICES AND CONSUMER SCIENCES  
CHILD AND FAMILY DEVELOPMENT TRACK  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (CHILD AND FAMILY DEVELOPMENT)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>39 credits</b>	<b>38 credits</b>
ENG 131 (3)**	CFDV 233 (3)	AD 130, 130L (3)
ENG 132 (3)	CFDV 234 (3)	CT 130 (3)
SC 135 or 136 (3)	CFDV 235 (3)	F&N 233 (3)
MATH 133 (3)	CFDV 331 (3)	HSCS 233 (3)
BIOL 143 (4)	CFDV 332 (3)	HSCS 430 (3)
GEOL 141 (4)	CFDV 333 (3)	FCS 436 (3)
ENG 2xx (3)	CFDV 334 (3)	MATH 134 (3)
MUSI 239 or THC 130 (3)	CFDV 431(3)	MUSI 339 or 347 (3)
HIST 231 (3)	CFDV 432 (3)	SPAN 131 or FR 131 (3)
HIST 232 (3)	CFDV 433 (3)	SPED 309 (3)
POLS 231 (3)	CFDV 434 (3)	Restricted Electives:
POLS 232 (3)	CFDV 435 (3)	CFDV 335 (3)
PSY 131 or	CFDV 436 (3)	CFDV 437 (3)
SOC 157 (3)		HSCS 411 (1)
CS 116 (3)		FS 102 (1)

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. Students should also note that major courses are offered in a rotational cycle and course sequences are followed.

\*\* (N) represents the number of course credits.

\*\*\* Freshman Seminar is a university requirement for all first-time freshmen.

**College of Liberal Arts and Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Science Degree in Human Services and Consumer Sciences**  
**Child and Family Development Track**  
**4 Year Degree Plan - Total Credits: 121**

<b>First Year</b>	<b>First Semester</b>		<b>Second Semest*er</b>	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra I	3	MATH 134 Plane Trig	3
	HIST 231 Social & Political History of the United States to 1877 (HIST 1301)	3	HIST 232 Social & Political History of the United States since 1877 (HIST 1302)	4
	HSCS 233 Seminar in HSCS	3	BIOL 143/143LSurvey of Life Science	3
	Speech 135 or 136 Bus & Prof. Communication or Public Address	3	CFDV 233 Family Relationships (SOCI 2301)	3
	<b>FS 102 (1)</b>	16 hrs		16 hrs
<b>Second Year</b>	<b>Third Semester</b>		<b>Fourth Semester</b>	
	ENG 2xx-Upper level English	3	MUSI 239 Fine Arts in Daily Living	3
	AD 130/130L Environmental Design/Lab (CDEC 1358)	3	PSY 131GEN PSY or SOC 157 Intro to Sociology (PSY 2301 or SOCI 1301)	3
	CFDV 234 Survey of Early Childhood Dev (TECA 1354)	3	CFDV 235/235L Interaction w/ Young Child	3
	GEOL 141 Intro to the Earth	4	CS 116 Intro to Computer Science I	3
	POLS 231American Political Systems I (GOVT 2301)	3	POLS 232 American Political Systems II (GOVT 2302)	3
		16 hrs		15 hrs
<b>Third Year</b>	<b>Fifth Semester</b>		<b>Sixth Semester</b>	
	CT 130/130L Clothing Behavior (FSHD 1308)	3	FN 233 Elementary Nutrition (TECA 1318)	3
	MUSI 347 Basic Music Procedures	3	SPED 309 Survey of Exceptional Ed I	3
	CFDV 331 Methods/Assessment of Young Children	3	CFDV 332 Children's Play: Dev and Role	3
	CFDV 333 Methods & Procedures in Early Childhood Development	3	CFDV 432 Children's Literature	3
	CFDV 334 Pre-Adolescent & Adolescent Development	3	FR 131 Elementary French I or SPAN 131 Elementary Spanish I	3
		15 hrs		15 hrs
<b>Fourth Year</b>	<b>Seventh Semester</b>		<b>Eighth Semester</b>	
	CFDV 335 Independent Study	3	CFDV 434 Practicum I	3
	CFDV 431 Theories in Child Development	3	CFDV 435 Child Nutrition	3
	CFDV 433 Multicultural Strategies	3	CFDV 437 Seminar in Child & Family Dev	3
	CFDV 436 Parenting	3	HSCS 430 Research in HSCS	3
	FCS 436 Family Resource Management	3	HSCS 411 Independent Study in FCS	1
	15 hrs		13 hrs	

**\*FS 102 must be taken by all newly enrolled TSU students.**

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN  
HUMAN SERVICES AND CONSUMER SCIENCES  
FOOD AND NUTRITION TRACK  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (FOODS AND NUTRITION)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>42 credits</b>	<b>35 credits</b>
ENG 131 (3)	FN 111 (1)	AD 130, 130L (3) or
ENG 132 (3)	FN 233 (3)	ART 370 or 371 (3)
SC 135 or 136 (3)	FN 253 (1)	BIOL 131 (3)
MATH 133 (3)	FN 253L (2)	BIOL 132 (3)
CHEM 111, 131 (4)	FN 333 (3)	CFDV 233 (3)
CHEM 112, 132 (4)	FN 337 (3)	CHEM 211, 231 (4)
ENG 2xx (3)	FN 341 (4)	CT 130 (3)
MUSI 239 or THC 130(3)	FN 343 (4)	HSCS 233 (3)
HIST 231 (3)	FN 430 (3)	HSCS 430 (3)
HIST 232 (3)	FN 432 (3)	FCS 436 (3)
POLS 231 (3)	FN 433 (3)	Restricted Electives (6)
POLS 232 (3)	FN 434 (1)	FS 102 (1)
SOC 238 (3)	FN 434L (2)	
CS 116 (3)	FN 437 (3)	
	FN 461 (3)	
	FN 461L (3)	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. Students should also note that major courses are offered in a rotational cycle and course sequences are followed.

\*\* (N) represents the number of course credits.

\*\*\* Freshman Seminar is a university requirement for all first-time freshmen.



**College of Liberal Arts and Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Science Degree in Human Services and Consumer Sciences**  
**Foods and Nutrition Track**  
**4 Year Degree Plan - Total Credits: 122**

<b>First year</b>	<b>First Semester</b>		<b>Second Semester</b>	
	FN 111 Introduction to Dietetics	1	FN 253 Meal Management/ FN 253L Meal Management	1 2
	FN 233 Elementary Nutrition	3	CHEM 111 General Chemistry Lab	1
	SC 135 Business & Professional Communication or SC 136 Public Address	3	CHEM 131 General Chemistry I	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	HIST 231 Social & Political History of the United States since 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	MATH 133 College Algebra	3	MUSI 239 Fine Arts in Daily Living or THC 130 Introduction to Theatre	3
	FS 102 (1)	17 hrs		16 hrs
<b>Second Year</b>	<b>Third Semester</b>		<b>Fourth Semester</b>	
	FN 333 Diet Therapy for Health Professionals	3	FN 337 Human Nutrition	3
	CS 116 Intro to Computer Science I	3	ENG 2xx Upper Level English	3
	SOC 238 Introduction to Anthropology	3	BIOL 131 Biological Science I	3
	CHEM 112 General Chemistry Lab II	1	POLS 232 American Political Systems II	3
	CHEM 132 General Chemistry II	3	CHEM 211 Organic Chemistry Lab	1
	POLS 231 American Political Systems I	3	CHEM 231 Organic Chemistry I	3
		16 hrs		16 hrs
<b>Third Year</b>	<b>Fifth Semester</b>		<b>Sixth Semester</b>	
	FN 341 Mgmt Principles of Food Svc Sys	4	FN 343 Junior Seminar in Dietetics	4
	BIOL 132 Biological Science II	3	FN 441 Organization Mgmt of Food Svc Sys	4
	AD 130/130L Environmental Design or ART 370 Studies in Art I	3	CT 130 Clothing Behavior	3
	HSCS 233 Seminar in HSCS	3	CFDEV 233 Family Relationships	3
		13 hrs		14 hrs
<b>Fourth Year</b>	<b>Seventh Semester</b>		<b>Eighth Semester</b>	
	FN 432 Medical Nutrition Therapy I	3	FN 433 Medical Nutrition Therapy II	3
	FN 434 Food Analysis and Research	1	HSCS 437 Capstone in Dietetics and Food and Nutrition or FN 413 and FN 427	3
	FN 434L Food Analysis and Research	2	FN 461 Commercial Food Production	3
	HSCS 430 Research in HSCS	3	FN 461 L Commercial Food Production Lab	3
	FCS 436 Family Resource Management	3	ELECTIVE	3
	ELECTIVE	3		
	15 hrs		15 hrs	

**\*FS 102 must be taken by all newly enrolled TSU students.**

**BACHELOR OF SCIENCE DEGREE IN  
HUMAN SERVICES & CONSUMER SCIENCES  
COMPOSITE FAMILY AND CONSUMER SCIENCES TRACK (without Certification)  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM* (STANDARD)	MAJOR (FAMILY & CONSUMER SCIENCES)	OTHER REQUIREMENTS
<b>44 CREDITS</b>	<b>36 CREDITS</b>	<b>40 CREDITS</b>
ENG 131 (3)**	HSCS 233 (3)	AD 131, 131L (3)
ENG 132 (3)	FCS 334 (3)	AD 435, 435L (3)
SC 135 OR 136 (3)	FCS 335 (3)	CFDV 233 (3)
MATH 133 (3)	HSCS 430 (3)	CFDV 234 (3)
BIO 143 (4)	FCS 431 (3)	CFDV 235, 235L (3)
GEOL 141 (4)	FCS 432 (3)	CFDV 334 (3)
ENG 2xx (3)	FCS 434 (3)	CFDV 436 (3)
ART 131 (3)	FCS 435 (3)	CT 131, 131L (3)
HIST 231 (3)	FCS 436 (3)	CT 233, 233L (3)
HIST 232 (3)	FCS 437 (3)	FN 233 (3)
POLS 231 (3)	FCS 438 (3)	FN 253, 253L (3)
POLS 232 (3)	FCS 439, 439L (3)	HED 477 (3)
PSY 131 or SOC 157 (3)		SPED 309 or 370 (3)
CS 116 (3)		FS 102 (1)***

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. Students should also note that major courses are offered in a rotational cycle and course sequences are followed.

\*\* (N) represents the number of course credits.

\*\*\* Freshman Seminar is a university requirement for all first-time freshmen.

**Bachelor of Science Degree in Human Services and Consumer Sciences**  
**Family and Consumer Science (FCS) – Composite Track**  
**4 Year Degree Plan - Total Credits: 120**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra I	3	BIOL 143/143L Survey of Life Science	4
	HIST 231 Social & Political History of the United States since 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	HSCS 233 Seminar in HSCS	3	ART 131 Drawing and Composition I	3
	CT 131/131L Basic Clothing Concepts	3	CFDV 233 Family Relationships	3
	FS 102 Freshman Seminar	1		
		16 hrs		16 hrs

Second Year	Third Semester		Fourth Semester	
	ENG 2xx Upper level English	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	POLS 231 American Political Systems I	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology	3
	GEOL 141 Intro to the Earth	4	POLS 232 American Political Systems II	3
	CFDV 234 Survey of Early Childhood Dev	3	CS 116 Intro to Computer Science I	3
	FN 233 Elementary Nutrition	3	AD 131/131L Introduction to Housing	3
	16 hrs		15 hrs	

Third Year	Fifth Semester		Sixth Semester	
	AD 435/435L Interior Space & Equip Plan	3	FCS 431 Aging and Health Needs	3
	CFDV 436 Parenting	3	FCS 435 Communication: Family & Marriage	3
	FCS 334 Career Opportunities in FCS	3	HED 477 Human Sexuality	3
	CFDV 334 Pre-Adolescent Development	3	FCS 335 Principles of FCS	3
	FN 253/253L Meal Management	3	CT 233/233L Textiles I	3
	15 hrs		15 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	FCS 432 Program Planning & Methodology	3	FCS 437 Capstone in FCS	3
	FCS 434 Occupational Program/Public Policy	3	FCS 436 Consumer Resource Management	3
	FCS 435 Communication: Family & Marriage	3	FCS 439/439L Family & Community Serv	3
	FCS 438 Family and Consumer Economics	3	HSCS 430 Research Methods	3
	15 hrs		12 hrs	

**BACHELOR OF SCIENCE DEGREE IN  
HUMAN SERVICES & CONSUMER SCIENCES  
COMPOSITE FAMILY AND CONSUMER SCIENCES TRACK (with Certification)  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM* (STANDARD)	MAJOR (FAMILY & CONSUMER SCIENCES)	OTHER REQUIREMENTS	CERTIFICATION PROGRAM
<b>44 credits</b>	<b>21 credits</b>	<b>31 credits</b>	<b>24 credits</b>
ENG 131 (3)**	HSCS 233 (3)	AD 131, 131L (3)	EDCI 310 (3)
ENG 132 (3)	FCS 334 (3)	AD 435 (3)	EDCI 328 (3)
SC 135 OR 136 (3)	FCS 431 (3)	CFDV 233 (3)	EDCI 339 (3)
MATH 133 (3)	FCS 433 or FCS 440 (3)	CFDV 234 (3)	EDCI 340 (3)
BIO 143 (4)	FCS 436 (3)	CFDV 436 (3)	EDCI 464 (6)
GEOL 141 (4)	FCS 437 (3)	CT 131, 131L (3)	RDG 400 (3)
ENG 2xx (3)	FCS 438 (3)	FN 233 (3)	RDG 402 (3)
ART 131 (3)		FN 253, 253L (3)	
HIST 231 (3)		HED 477 (3)	
HIST 232 (3)		SPED 309 or 370 (3)	
POLS 231 (3)		FS 102 (1)***	
POLS 232 (3)			
PSY 131 or SOC 157 (3)			
CS 116 (3)			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. Students should also note that major courses are offered in a rotational cycle and course sequences are followed.

\*\* (N) represents the number of course credits.

\*\*\* Freshman Seminar is a university requirement for all first-time freshmen.

**Bachelor of Science Degree in Human Services and Consumer Sciences  
Composite Family & Consumer Sciences Program with Certification  
4 Year Degree Plan - Total Credits: 120**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra I	3	BIOL 143/143L Survey of Life Science	4
	HIST 231 Social & Political History of the United States since 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	HSCS 233 Seminar in HSCS	3	ART 131 Drawing and Composition I	3
	CT 131/131L Basic Clothing Concepts	3	CFDV 233 Family Relationships	3
	FS 102 Freshman Seminar	1		
		16 hrs		16 hrs

Second Year	Third Semester		Fourth Semester	
	ENG 2xx Upper level English	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	POLS 231 American Political Systems I	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology	3
	GEOL 141 Intro to the Earth	4	POLS 232 American Political Systems II	3
	CFDV 234 Survey of Early Childhood Dev	3	CS 116 Intro to Computer Science I	3
	FN 233 Elementary Nutrition	3	AD 131/131L Introduction to Housing	3
	16 hrs		15 hrs	

Third Year	Fifth Semester		Sixth Semester	
	AD 435/435L Interior Space & Equip Plan	3	FCS 431 Aging and Health Needs	3
	CFDV 436 Parenting	3	FCS 435 Communication: Family & Marriage	3
	EDCI 310 Principles & Foundation of Ed	3	HED 477 Human Sexuality	3
	EDCI 328 Psy of Learning, Growth & Dev	3	EDCI 339 Classroom Management	3
	FN 253/253L Meal Management	3	EDCI 340 Instructional Technology II	3
	15 hrs		15 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	FCS 440 Seminar of Human Development or FCS 433 Teaching FCS	3	FCS 441 Capstone in FCS	3
	FCS 438 Family and Consumer Economics	3	FCS 436 Consumer Resource Management	3
	RDG 400 Middle School Reading	3	EDCI 464 Direct Student Teaching in H.S.	6
	RDG 402 Informal Diagnosis	3		
	15 hrs		12 hrs	

**BACHELOR OF SCIENCE DEGREE IN  
HUMAN SERVICES & CONSUMER SCIENCES  
HUMAN DEVELOPMENT AND FAMILY STUDIES TRACK (with Certification)  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM* (STANDARD)	MAJOR (FAMILY & CONSUMER SCIENCES)	OTHER REQUIREMENTS	CERTIFICATION PROGRAM
<b>44 credits</b>	<b>27 credits</b>	<b>25 credits</b>	<b>24 credits</b>
ENG 131 (3)**	HSCS 233 (3)	CFDV 233 (3)	EDCI 310 (3)
ENG 132 (3)	FCS 334 (3)	CFDV 234 (3)	EDCI 328 (3)
SC 135 OR 136 (3)	FCS 431 (3)	CFDV 235, 235L (3)	EDCI 339 (3)
MATH 133 (3)	FCS 432 (3)	CFDV 334 (3)	EDCI 340 (3)
BIO 143 (4)	FCS 433 or FCS 440 (3)	CFDV 436 (3)	EDCI 464 (6)
GEOL 141 (4)	FCS 434 (3)	FN 233 (3)	RDG 400 (3)
ENG 2xx (3)	FCS 435 (3)	HED 477 (3)	RDG 402 (3)
ART 131 (3)	FCS 436 (3)	SPED 309 or 370 (3)	
HIST 231 (3)	FCS 437 (3)	FS 102 (1)***	
HIST 232 (3)			
POLS 231 (3)			
POLS 232 (3)			
PSY 131 or SOC 157 (3)			
CS 116 (3)			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. Students should also note that major courses are offered in a rotational cycle and course sequences are followed.

\*\* (N) represents the number of course credits.

\*\*\* Freshman Seminar is a university requirement for all first-time freshmen.

**Bachelor of Science Degree in Human Services and Consumer Sciences**  
**Human Development & Family Studies Certification Program**  
**4 Year Degree Plan - Total Credits: 120**

First Year	First Semester		Second Semester	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra I	3	BIOL 143/143L Survey of Life Science	4
	HIST 231 Social & Political History of the United States since 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	CFDV 233 Family Relationships	3	ART 131 Drawing and Composition I	3
	HSCS 233 Seminar in HSCS	3	FN 233 Elementary Nutrition	3
	FS 102 Freshman Seminar	1		
		16 hrs		16 hrs

Second Year	Third Semester		Fourth Semester	
	ENG 2xx Upper level English	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	POLS 231 American Political Systems I	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology	3
	GEOL 141 Intro to the Earth	4	POLS 232 American Political Systems II	3
	CFDV 234 Survey of Early Childhood Dev	3	CS 116 Intro to Computer Science I	3
	CFDV 235/235L Interaction w/ Young Child	3	CFDV 334 Pre-Adolescent Development	3
	16 hrs		15 hrs	

Third Year	Fifth Semester		Sixth Semester	
	FCS 431 Aging and Health Needs	3	FCS 432 Program Planning & Methodology	3
	CFDV 436 Parenting	3	FCS 435 Communication: Family & Marriage	3
	EDCI 310 Principles & Foundation of Ed	3	FCS 440 Seminar in Human Development	3
	EDCI 328 Psy of Learning, Growth & Dev	3	EDCI 339 Classroom Management	3
	HED 477 Human Sexuality	3	EDCI 340 Instructional Technology II	3
	15 hrs		15 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	FCS 434 Occupational Program/Public Policy	3	FCS 441 Capstone	3
	FCS 440 Seminar of Human Development or FCS 433 Teaching FCS	3	FCS 436 Family Resource Management	3
	FCS 439 Family & Community Services	3	EDCI 464 Direct Student Teaching in H.S.	6
	RDG 400 Middle School Reading	3		
	RDG 402 Informal Diagnosis	3		
	15 hrs		12 hrs	

## DEPARTMENT OF MUSIC

The primary mission of the Department of Music is to educate students through activities culminating in the creation, performance and promotion of music. In creating, performing and promoting music, the department involves, serves, educates and enriches the TSU community and residents throughout the region; and particularly, provides music students opportunities to develop their skills as performers and teachers. The Department is a professional, accessible and reliable department that presents creative, innovative and exciting performances and educational opportunities of the highest quality.

Requirements for the B.A. degree, students may select from four curriculum tracks of study: Performance, Jazz Studies, Teacher Certification and Composition. Members of the Department and the departmental facilities area housed in the Rollins-Stewart Music Center and the Rhinehart Music Auditorium. The Department office is located on the first floor of the Rollins-Stewart Music Center in Room 112. **All courses designated as either major or minor courses must be completed with grades of "C" or better, where grades of "C-" are unacceptable.** In considering requirements for one of the bachelor's degrees, or one of the five minors, students must first be admitted by the University, must satisfy ASSET requirements, must eradicate deficiencies assessed through Student Academic Enhancement Services (SAES), must petition the Department for admission as ASSET exam requirements are completed, and must complete preliminary requirements established by the Department for majors. Further admission and graduation requirements for the Department are considered below. **An exit examination is required of all graduating seniors.**

**Individuals interested in seeking certification for teaching in the public schools of Texas in academic disciplines offered through the Department should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.**

**For the minor in Music, 21 semester credit hours are required** through enrollment in the following: 21 semester credit hours in the following: Music 100 (0 credit), Music 141 (2 credits) after successfully passing a placement test, Music 146 (1 credit), Music 142 (2 credits), Music 147 (1 credit), 4 applied music credits or class lab credits (4 credits total), 2 music ensemble courses (2 credits total) and 9 upper level elective credits in Music or Musa one of which must be Music 337 or Music 338. The minimum grade requirement for each course designated is referenced above. Students who minor in Music are required to take Music 239 as their university core humanities elective.

**For the minor in Jazz Studies, 22 semester credit hours are required** through enrollment in fourteen (14) credit hours in required jazz courses, which include Music 141 (2 credits) and Music 146 (1 credit) Music 253 (3 credits), Music 343 (3 credit), Music 228 (2 credits), Music UJ (for 2 total credits), MUSA 111 (1 credit), and in eight (8) credit hours in approved electives, which must include Music 142 (2 credits), and Music 147 (1 credit), Music 229 (2 credits), Music 480 (3 credits), one additional ensemble course per semester, one additional applied music course per semester, and approved electives as determined by a jazz studies committee that considers the student's abilities, career goals, and objectives as related to the performing arts. Any courses that apply toward a student's major requirements in the Fine Arts cannot be used to fulfill these minor requirements. The minor in Jazz Studies is open both to music majors and to non-music majors who qualify by audition.

In petitioning the Department for admission as either a major or minor, students are required to schedule a personal interview through the Department Office. At the time of interview, students are asked to perform an audition as part of the procedure for admission to the Department. Once admitted, students are each assigned a faculty advisor for continuous advisement and schedule approval up to the time of graduation. At the beginning of the senior year, students must meet the approval of a panel of faculty members prior to enrollment in courses related to final projects such as recitals and performances. Majors are expected to maintain an overall GPA of 2.50 or better to remain in good standing and to keep the Department Office informed of current local addresses and telephone numbers. All majors should request that the Faculty Chair evaluate their transcripts during the first semester of their senior year to ascertain their graduation status.

Ten performing groups at the University are sponsored and coordinated through the Department of Music require that participating students enroll for elective credit. These groups are the: University Marching Band, University Concert Band, Jazz Combo, Jazz Big Band, Latin Jazz, Vocal Jazz, University Choir, Concert Choir, Opera Workshop, and the University Chamber Orchestra. Interested students should contact the Department Office for additional information.

**In summary, interested students must first gain admission to the University, must meet their ASSET responsibility, and must adhere to admission and graduation requirements specified in this section. Students are each assigned an official advisor and provided with extensive advisement upon admission to the Department to ensure proper progression toward graduation. An exit examination is required of graduating seniors. For additional information, students should contact the Department Office at (713)-313-7337.**



## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Adams, Daniel</b>  <b>Professor, Graduate Studies Coordinator</b>                      B.M., Louisiana State University                      M.M., University of Miami                      D.M.A., University of Illinois at Urbana-Champaign</p>	<p><b>Mack, Dianne</b>  <b>Associate Professor, Teacher Certification Coordinator</b>                      B.S., Dalhousie University                      M.M. Ed., University of Missouri                      Ph.D., University of Missouri</p>
<p><b>Butler, Benjamin J., II</b>  <b>Associate Professor</b>                      B.S., Tennessee State University                      M.M., University of Michigan</p>	<p><b>Oby, Jason</b>  <b>Professor, Choir Director</b>                      B.M., M.M., Manhattan School of Music                      D.M., Florida State University</p>
<p><b>Gibson, Clarence</b>  <b>Instructor, Assistant Band Director</b>                      B.M.E., Alcorn State University                      M.M.E., University of Southern Mississippi</p>	<p><b>Perkyns, Jane</b>  <b>Associate Professor, Piano Coordinator</b>                      B.M., Dalhousie University                      M.M., The Julliard School                      D.M.A., University of British Columbia</p>
<p><b>Harris, Howard C.</b>  <b>Professor</b>                      B.S., Southern University                      M.M.Ed., Louisiana State University</p>	<p><b>Thomas, Fennoyee</b>  <b>Professor</b>                      B.M., M.M., D.M.A., University of Colorado</p>
<p><b>Lee, Richard</b>  <b>Associate Professor, Interim Chair</b>  <b>Director of Bands</b>                      B.M.Ed., Texas Southern University                      M.M., Colorado State University</p>	<p><b>Singleton, Darryl M.</b>  <b>Instructor, Associate Band Director</b>                      B. M.E. Howard University                      M.M. Florida State</p>
<p><b>Lundy, Anne</b>  <b>Instructor, Chamber Orchestra Director</b>                      B.M., University of Texas                      M.M., University of Houston</p>	

## MUSIC COURSES

<b>MUSI 100</b>	<p><b>Seminar I</b> <span style="float: right;"><b>(0-1)</b></span>                      Introductory course for majors which provides enrichment through the art of performing. May be repeated for up to three semester credits earned. During freshman and sophomore years of enrollment, counted as 0 credit; during junior and senior years of enrollment, counted as 1 semester credit. One hour of lecture per week.</p>
<b>MUSI 131</b>	<p><b>Introduction to Music</b> <span style="float: right;"><b>(3)</b></span>                      Survey of basic materials and the fundamentals of music. Open to all students. Students may test out. Three hours of lecture per week. <b>Listed as MUSI 1301 in the Texas Common Course Numbering System.</b></p>
<b>MUSI 132</b>	<p><b>Introduction to Computer Music</b> <span style="float: right;"><b>(3)</b></span>                      Introductory survey of computers and computer peripherals as used in various musical disciplines, including the fundamentals of computer literacy and music software applications. Three hours of lecture per week. Prerequisite: MUSI 131 or consent of the instructor. <b>Listed as MUSI 1302 in the Texas Common Course Numbering System.</b></p>

MUSI 141	<b>Theory I</b> (2)	Music theory, including basic musicianship, written and keyboard diatonic harmony, and harmonic analysis. Three hours of lecture per week. Prerequisite: MUSI 131 or passage of Theory Placement Exam. Corequisite: MUSI 146. <b>Listed as MUSI 1211 in the Texas Common Course Numbering System.</b>
MUSI 142	<b>Theory II</b> (2)	Continuation of MUSI 141. Three hours of lecture per week. Prerequisites: MUSI 141 and MUSI 146. Corequisite: MUSI 147. <b>Listed as MUSI 1212 in the Texas Common Course Numbering System.</b>
MUSI 146	<b>Ear Training and Sight Singing I</b> (1)	An aural skills course, to be taken concurrently with music theory. Includes ear training, sight singing and dictation. One hour of lecture and one hour of laboratory per week. Corequisite: MUSI 141. <b>Listed as MUSI 1116 in the Texas Common Course Numbering System.</b>
MUSI 147	<b>Ear Training and Sight Singing II</b> (1)	Continuation of MUSI 146, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 141 and MUSI 146. Corequisite: MUSI 142. <b>Listed as MUSI 1117 in the Texas Common Course Numbering System.</b>
MUSI 150	<b>Composition I</b> (2)	Individual study of the techniques of vocal, instrumental, and electronic music composition in various styles. One hour of laboratory/private lessons per week. Prerequisite: Consent of the instructor. <b>Listed as MUSI 1386 in the Texas Common Course Numbering System.</b>
MUSI 151	<b>Composition II</b> (2)	Continuation of MUSI 150. One hour of laboratory/private lessons per week. Prerequisite: MUSI 150. <b>Listed as MUSI 2386 in the Texas Common Course Numbering System.</b>
MUSI 171	<b>Class Piano I</b> (1)	Study of keyboard functional skills such as harmonization, sight reading, improvisation, and transposition and how they relate to general musicianship. May be substituted for MUSA 111 when specified for the piano. Two hours of laboratory per week. <b>Listed as MUSI 1181 in the Texas Common Course Numbering System.</b>
MUSI 172	<b>Class Piano II</b> (1)	Continuation of MUSI 171. May be substituted for MUSA 112 when specified for the piano. Two hours of laboratory per week. Prerequisite: MUSI 171. <b>Listed as MUSI 1182 in the Texas Common Course Numbering System.</b>
MUSI 173	<b>Voice Class I</b> (1)	Designed to teach the fundamental skills of tone production, breathing, posture, and to enhance the repertory by teaching simple songs in the classroom. Two hours of laboratory per week. <b>Listed as MUSI 1183 in the Texas Common Course Numbering System.</b>
MUSI 174	<b>Voice Class II</b> (1)	Continuation of MUSI 173. Two hours of laboratory per week. Prerequisite: MUSI 173. <b>Listed as MUSI 1184 in the Texas Common Course Numbering System.</b>
MUSI 223	<b>Brass and Percussion</b> (2)	Practical performance course for majors, including principles of intonation, fingering, breathing, embouchure, transposition, sticking, and rudiments. Elementary proficiency on brass and percussion instruments taught. <b>Offered during the spring semester only.</b> One hour of lecture and one hour of laboratory per week.

MUSI 224	<b>Woodwind Instruments</b> (2)	Study of basic performance of woodwind instruments, including the concepts and procedures for woodwind instruction. <b>Offered during the fall semester only.</b> One hour of lecture and one hour of laboratory per week.
MUSI 225	<b>String Instruments</b> (2)	Instruction in performing, teaching, and scoring for violin, viola, cello, and string bass. Organization, program planning, and terminology emphasized. One hour of lecture and one hour of laboratory per week.
MUSI 228	<b>Jazz Improvisation I</b> (2)	Basic techniques of improvisation of various styles, historical developments, and contributions. Two hours of lecture per week. Prerequisites: MUSI 141, MUSI 146, MUSI 142, and MUSI 147.
MUSI 229	<b>Jazz Improvisation II</b> (2)	<b>Continuation of MUSI 228. Prerequisite: MUSI 228.</b>
MUSI 239	<b>Fine Arts in Daily Living</b> (3)	Study of art, music, drama, and dance with emphasis on the interrelationship of these common elements and concepts and the contributions of noted artists. Three hours of lecture per week. <b>Listed as HUMA 1301 in the Texas Common Course Numbering System.</b>
MUSI 241	<b>Theory III</b> (2)	Continuation of MUSI 141 and MUSI 142, including more advanced chromatic harmony, analysis, and the expression of musical ideas in form. Three hours of lecture and per week. Prerequisites: MUSI 142 and MUSI 147. Corequisite: MUSI 246. <b>Listed as MUSI 2211 in the Texas Common Course Numbering System.</b>
MUSI 242	<b>Theory IV</b> (2)	Continuation of MUSI 241. Three hours of lecture per week. Prerequisites: MUSI 241 and MUSI 246. Corequisite: MUSI 247. <b>Listed as MUSI 2212 in the Texas Common Course Numbering System.</b>
MUSI 246	<b>Ear Training and Sight Singing III</b> (1)	Continuation of MUSI 147, with greater complexity in rhythms and chromatic harmony, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 142 and MUSI 147. Corequisite: MUSI 241. <b>Listed as MUSI 2116 in the Texas Common Course Numbering System.</b>
MUSI 247	<b>Ear Training and Sight Singing IV</b> (1)	Continuation of MUSI 246, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 241 and MUSI 246. Corequisite: MUSI 242. <b>Listed as MUSI 2117 in the Texas Common Course Numbering System.</b>
MUSI 250	<b>Composition III</b> (2)	Continuation of the integrated course begun in MUSI 150, MUSI 151, and MUSI 152. Two hours of lecture/private lessons per week. Prerequisites: MUSI 150, MUSI 151, and MUSI 152. <b>Listed as MUSI 2186 in the Texas Common Course Numbering System.</b>
MUSI 251	<b>Composition IV</b> (2)	Continuation of MUSI 250. Two hours of lecture/private lessons per week. Prerequisite: MUSI 250. <b>Listed as MUSI 2187 in the Texas Common Course Numbering System.</b>
MUSI 253	<b>Jazz Theory I</b> (3)	<b>Identification and application of basic harmonic, melodic and rhythmic elements. Required of jazz majors and minors. Open to all music majors as an elective. Prerequisite: MUSI 141 and MUSI 146 or consent of instructor.</b>

- MUSI 254 Jazz Theory II (3)**  
**Composition study and analysis with application of advanced harmonic and rhythmic formats along with production of original student works. Prerequisite: MUSI 253.**
- MUSI 300 Junior Recital (0)**  
 Solo recital required of students pursuing the B.A. in Music, Applied Performance Specialty. Must be taken concurrently with appropriate Applied Music course.
- MUSI 322 Diction for Singers (3)**  
 Application of vocal pronunciation and techniques of Italian, German, French, and English songs. Three hours of lecture per week. **Offered during the fall semester only.**
- MUSI 325 Song Literature (3)**  
 Study of the evolution of solo singing and the art of song, as well as song repertoire for all voice classifications. Three hours of lecture per week. **Offered during the spring semester only.**
- MUSI 328 Instrumental Techniques (2)**  
 Study of instrumental literature, management, rehearsal techniques, and problems of instrumental care and maintenance. **Offered during the fall semester only.** Two hours of lecture per week.
- MUSI 329 Fundamentals of Music Techniques (3)**  
 Study of musical concepts and principles involving traditional and contemporary learning techniques with the provision of creative experiences through rhythm, song, and instrumental performance. **Offered during the fall semester only.** Three hours of lecture per week.
- MUSI 331 Counterpoint (3)**  
 Study of tonal counterpoint in two, three, and four voices; analysis and composition of 18th century polyphony with emphasis on canon, invention, and fugue. Three hours of lecture per week. **Offered during the fall semester only.** Prerequisite: MUSI 242.
- MUSI 333 Form and Analysis (3)**  
 Study of small and large musical forms in a tonal context with emphasis on binary, ternary, sonata-allegro, rondo forms, concerto, and variation procedures. Three hours of lecture per week. **Offered during the spring semester only.** Prerequisite: MUSI 242.
- MUSI 334 Advanced Music Theory (3)**  
 Introduction to 20th century theoretical concepts and stylistic trends, including impressionism, serialism, indeterminacy, minimalism, neo-Classicism, and neo-Romanticism. Emphasis placed on score analysis, composition assignments, and listening activities. Three hours of lecture per week. Prerequisite: MUSI 242.
- MUSI 335 Orchestration (3)**  
 Practical study of writing and arranging for the orchestral instruments as well as score reading and analysis of effects heard in extensive orchestral recordings. Three hours of lecture per week. Prerequisite: MUSI 242.
- MUSI 336 Advanced Jazz Improvisation (2)**  
**Continuation of MUSI 229 with applications in advanced harmonic and rhythmic formats from bebop to contemporary.**
- MUSI 337 History of Music I (3)**  
 Comprehensive study of the historical periods in music beginning with antiquity to the present. Listening, analysis, and research activities included. Four hours of lecture per week. **Offered during the fall semester only.** Prerequisites: MUSI 141, MUSI 146, MUSI 142, and MUSI 147.

MUSI 338	<b>History of Music II</b> Continuation of MUSI 337. Four hours of lecture per week. <b>Offered during the spring semester only.</b> Prerequisites: MUSI 141, MUSI 146, MUSI 142, and MUSI 147.	(3)
MUSI 339	<b>Music for Young Children</b> Fundamental principles, methods, and materials of music for nursery and primary children with emphasis on contemporary and traditional methods for ages three through eight. Three hours of lecture per week.	(3)
MUSI 343	<b>Jazz History</b> <b>A chronological examination of jazz styles and major artists of jazz from pre-jazz forms to the present. Offered as needed.</b>	(3)
MUSI 347	<b>Basic Music Procedures</b> Study of the development of basic music skills stressing the understanding of music fundamentals through activities in singing, listening, performing, and eurhythmics. Three hours of lecture per week.	(3)
MUSI 350	<b>Composition V</b> Continuation of MUSI 251. One hour of laboratory/private lessons per week. Prerequisite: MUSI 251.	(2)
MUSI 351	<b>Composition VI</b> Continuation of MUSI 350. One hour of laboratory/private lessons per week. Prerequisite: MUSI 350. <b>Offered as needed.</b>	(2)
MUSI 355	<b>Jazz Arranging</b> Arranging compositions in various jazz styles and group combinations. Prerequisite: MUSI 253.	(3)
MUSI 400	<b>Senior Recital</b> Solo recital required of all students pursuing the B.A. in Music. Must be taken concurrently with the appropriate Applied Music course.	(0)
MUSI 401	<b>Capstone Seminar in Music</b> Directed research, reading, and discussion to integrate historical, stylistic, and theoretical concepts acquired throughout the major. The EXIT examination will be administered in this course.	(3)
MUSI 431	<b>Conducting Fundamentals</b> Fundamentals of choral and instrumental conducting, stylistic interpretation, terminology, instrumental transposition, score reading, and rehearsal skins. Three hours of lecture per week. Prerequisite: Junior standing.	(3)
MUSI 435	<b>Seminar in Music Studies</b> Study of the organization and activities of music for majors. <b>Offered during the spring semester only.</b> Three hours of lecture per week.	(3)
MUSI 439	<b>Piano-Voice Pedagogy</b> Study and examination of the process of teaching voice and piano with emphasis on technique, style and specific literature for each instrument. Standard practices and modalities will also be reviewed. <b>Offered during the fall semester only.</b> Two hours of lecture per week.	(2)
MUSI 480	<b>Business of Music</b> A study of contracts, copyrights, and marketing for the career musical artist. Required of Jazz Studies music majors. Open to all students as an elective.	(3)
MUSI 481	<b>Modern Music</b> Critical examination and analysis of selected works of representative modern composers. Open to both undergraduate and graduate students. <b>Offered during the fall semester only.</b> Three hours of lecture per week.	(3)

<b>MUSI CC</b>	<b>Concert Choir</b>	<b>(1)</b>
	An organization of specially selected singers performing major concerts on and off campus. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.	
<b>MUSI OW</b>	<b>Opera Workshop</b>	<b>(1)</b>
	A small musical ensemble performing operatic repertoire on and off campus. Membership based on audition. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor. <b>Listed as MUSI 1157 and MUSI 1158 in the Texas Common Course Numbering System.</b>	
<b>MUSI UB</b>	<b>University Band</b>	<b>(1)</b>
	A musical ensemble required of all majors and open to all university students based on audition. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.	
<b>MUSI UC</b>	<b>University Choir</b>	<b>(1)</b>
	A music choral laboratory, required of majors and open to all university students, performing a wide range of standard, sacred, and secular repertoire. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.	
<b>MUSI JEC</b>	<b>University Jazz Ensemble Combo</b>	<b>(1)</b>
	Performing jazz compositions from the bebop era through the contemporary. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.	
<b>MUSI JBB</b>	<b>University Jazz Ensemble Big Band</b>	<b>(1)</b>
	Performing original and standard charts from the Big Band Era, through contemporary styles. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.	
<b>MUSI VJE</b>	<b>University Vocal Jazz Ensemble</b>	<b>(1)</b>
	Performing jazz compositions and arrangements for voices. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.	
<b>MUSI LJE</b>	<b>University Latin Jazz Ensemble</b>	<b>(1)</b>
	Performing Latin Jazz arrangements, covering traditional and contemporary materials. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.	
<b>MUSI UO</b>	<b>University Chamber Orchestra</b>	<b>(1)</b>
	An instrumental ensemble open to music majors and all university students based on audition. Performs "Classical," "Sacred," and "Jazz" musical genres. Two hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.	

### APPLIED MUSIC COURSES

Applied Music courses are for majors and minors in Music. In scheduling each course referenced as Applied Music, the individual sections are provided with an alphabetic code to specify the applied instrument selected for the semester or term under consideration. Each designated course number is also coded according to year, track, credit, and semester or term. For example, MUSA 121K would correspond to first or freshman year, certification or general track, first semester, piano. The following instrument codes are noted:

CODE	INSTRUMENT	CODE	INSTRUMENT
B	Brass	S	Strings
G	Guitar	V	Voice
P	Percussion	W	Woodwinds
K	Piano		

<b>MUSA 111</b>	<b>Applied Music</b>	<b>(1)</b>
	Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week.	
<b>MUSA 112</b>	<b>Applied Music</b>	<b>(1)</b>
	Continuation of MUSA 111. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 111.	
<b>MUSA 121</b>	<b>Applied Music</b>	<b>(1)</b>
	Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week.	
<b>MUSA 122</b>	<b>Applied Music</b>	<b>(1)</b>
	Continuation of MUSA 121. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 121.	
<b>MUSA 131</b>	<b>Applied Music</b>	<b>(2)</b>
	Intensive performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. Two hours of laboratory per week. Prerequisite: Consent of the instructor.	
<b>MUSA 132</b>	<b>Applied Music</b>	<b>(2)</b>
	Continuation of MUSA 131. Two hours of laboratory per week. Prerequisites: MUSA 131 and consent of the instructor.	
<b>MUSA 211</b>	<b>Applied Music</b>	<b>(1)</b>
	Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 112.	
<b>MUSA 212</b>	<b>Applied Music</b>	<b>(1)</b>
	Continuation of MUSA 211. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 211.	
<b>MUSA 221</b>	<b>Applied Music</b>	<b>(1)</b>
	Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 122.	
<b>MUSA 222</b>	<b>Applied Music</b>	<b>(1)</b>
	Continuation of MUSA 221. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 221.	
<b>MUSA 231</b>	<b>Applied Music</b>	<b>(2)</b>
	Intensive performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 132 and consent of the instructor.	
<b>MUSA 232</b>	<b>Applied Music</b>	<b>(2)</b>
	Continuation of MUSA 231. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 231 and consent of the instructor.	
<b>MUSA 311</b>	<b>Applied Music</b>	<b>(1)</b>
	Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 212.	

<b>MUSA 312</b>	<b>Applied Music</b> Continuation of MUSA 311. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 311.	<b>(1)</b>
<b>MUSA 321</b>	<b>Applied Music</b> Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 222.	<b>(1)</b>
<b>MUSA 322</b>	<b>Applied Music</b> Continuation of MUSA 321. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 321.	<b>(1)</b>
<b>MUSA 331</b>	<b>Applied Music</b> Intensive performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 232 and consent of the instructor.	<b>(2)</b>
<b>MUSA 332</b>	<b>Applied Music</b> Continuation of MUSA 331. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 331 and consent of the instructor.	<b>(2)</b>
<b>MUSA 411</b>	<b>Applied Music</b> Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 312.	<b>(1)</b>
<b>MUSA 412</b>	<b>Applied Music</b> Continuation of MUSA 411. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 411.	<b>(1)</b>
<b>MUSA 421</b>	<b>Applied Music</b> Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 322.	<b>(1)</b>
<b>MUSA 422</b>	<b>Applied Music</b> Continuation of MUSA 421. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 421.	<b>(1)</b>
<b>MUSA 431</b>	<b>Applied Music</b> Intensive performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 322 and consent of the instructor.	<b>(2)</b>
<b>MUSA 432</b>	<b>Applied Music</b> Continuation of MUSA 431. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 431 and consent of the instructor.	<b>(2)</b>



**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN MUSIC  
(PERFORMANCE WITH MINOR)  
TOTAL CREDITS REQUIRED: 125**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (MUSIC)</b>	<b>OTHER REQUIREMENTS</b>	<b>MINOR REQUIREMENTS</b>
<b>45 credits</b>	<b>45 credits</b>	<b>14 credits</b>	<b>21 credits</b>
ENG 131 (3)**	MUSI 100 (1)	PE 1xx (1)	Contact
ENG 132 (3)	MUSI 141 (2)	Foreign	department of
SC 135 or 136 (3)	MUSI 146 (1)	Language (6)	choice after
MATH 133, 134, 135, or 136 (3)	MUSI 142 (2) MUSI 147 (1)	Music electives (7) <b>or</b>	being admitted as a Music Major
BIOL 143 (4)	MUSI 171 (1)	MUSI 223 (2)	and after being
Natural Sciences (4)***	MUSI 241 (2)	MUSI 224 (2)	advised by the
ENG 2xx (3)	MUSI 246 (1)	MUSI 225 (2)	major advisor
Performing Arts Elective (3)+	MUSI 242 (2)	MUSI 328 (2)	
HIST 231 (3)	MUSI 247 (1)	MUSI 329 (3)	
HIST 232 (3)	MUSI 331 or	MUSI 435 (3)	
POLS 231 (3)	MUSI 439 (3)		
POLS 232 (3)	MUSI 333 (3)		
PSY 131 (3)	MUSI 335 or		
FS 101 (1)	MUSI 322 (3)		
MUSI 132 (3)	MUSI 337 (3)		
	MUSI 338 (3)		
	MUSI 400 (0)		
	MUSI 431 (3)		
	MUSI Ensemble (5)		
	<b>Plus</b>		
	approved applied		
	instrument (MUSA) (8)		
	(7 in the major		
	instrument and		
	1 in appropriate level of		
	secondary piano)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Natural Sciences electives include: CHEM 112 and 132, GEOL 141, PHYS 101, PHYS 213 and 237, PHYS 214 and 238, BIOL 135, BIOL 136, and BIOL 246.

+Performing Arts Electives include: Musi 131 or Musi 239

\*\*\*\* MUSI 132 Intro to Computer Music may substitute for CS 116 as the core computer requirement.

**College of Liberal Arts and Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Arts in Music**  
**Performance with Minor**  
**Four Year Degree Plan - Total Credits: 125**

<b>First Year</b>	<b>First Semester</b>		<b>Second Semester</b>	
	Music 100 Seminar	0	Music 100 Seminar	0
	Psy 131	3	Music 142 Theory II	2
	Music 141 Theory 1	2	Music 147 E.T./S.S II	1
	Music 146 E.T./S.S. 1	1	Musa 122 Major applied	1
	Musa 121 Major applied	1	Ensemble	1
	[Music 171 Class piano	1*]	Eng 132	3
	Ensemble	1	SC 135 or 136	3
	Math 13_	3	Biology 143 and (L) or Chem 111, 131	4
	Eng 131	3		
	FS 101 Freshmen Seminar	1		
	16		15	
<b>Second Year</b>	<b>Third Semester</b>		<b>Fourth Semester</b>	
	Music 100 Seminar	0	Music 100 Seminar	0
	Music 241	2	Music 242 Theory IV	2
	Music 246 E.T./S.S.	1	Music 247 E.T./S.S. IV	1
	Musa 221 Major applied	1	Musa 222 Major applied	1
	Ensemble	1	Ensemble	1
	Music 132 Intro to Computer Music	3	PE 1__	1
	Eng 2__	3	Science elective	4
	Hist 231	3	Hist 232	3
	Minor requirement	3	Performing Arts Elective	3
	17		16	
<b>Third Year</b>	<b>Fifth Semester</b>		<b>Sixth Semester</b>	
	Music 100 Seminar	0	Music100 Seminar	0
	Music 331 Counterpoint <b>Or</b>		Music 333 Form and Analysis	3
	Music 439 Voice/Piano Pedagogy	3	Music 338 History II	3
	Music 337 History I	3	Musa 322 Major applied	1
	Musa 321 Major applied	1	Minor requirement	3
	Ensemble	1	Pols 232	3
	Pols 231	3	Minor Requirements	3
	Minor Requirements	3		
	14		16	

Fourth Year	Seventh Semester		Eighth Semester	
	Music Seminar	1	Musa 212K secondary piano	1
	Music 335 Orchestration <b>Or</b>	3	Music elective	2
	Music 322 Diction for Singers		Music Elective	3
	Musa 421 Major applied	1	Foreign Language	3
	Music 431 Conducting	3	Minor requirement	3
	Music 400 Senior recital	0	Minor requirement	3
	Music elective	2		
	Minor requirement	3		
	Foreign language	3		
	16		15	

\*Student must be assessed by Piano Coordinator to determine appropriate class level to prepare for piano proficiency exam (Musa 411K).

\*To reduce the number of credit hours taken per semester, the student has the option of enrolling in the university core courses during the summer sessions.

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN MUSIC  
(TEACHER CERTIFICATION TRACK)  
TOTAL CREDITS REQUIRED: 128**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (MUSIC)</b>	<b>CERTIFICATION CORE</b>	<b>CERTIFICATION REQUIREMENTS</b>
<b>45 credits</b>	<b>45 credits</b>	<b>14 credits</b>	<b>24 credits</b>
ENG 131 (3)**	MUSI 100 (1)	MUSI 223 (2)	Enroll in
ENG 132 (3)	MUSI 141 (2)	MUSI 224 (2)	College of Education
SC 135 or 136 (3)	MUSI 146 (1)	MUSI 225 (2)	certification program
MATH 133, 134,	MUSI 142 (2)	MUSI 328 (2)	
135, or 136 (3)	MUSI 147 (1)	MUSI 329 (3)	
BIOL 143 (4)	MUSI 171 (1)	MUSI 435 (3)	
Natural Sciences (4)***	MUSI 241 (2)	MUSI 401 (3)#	
ENG 2xx (3)	MUSI 246 (1)		
Performing	MUSI 242 (2)		
Arts (3)***	MUSI 247 (1)		
HIST 231 (3)	MUSI 331 or		
HIST 232 (3)	MUSI 439 (3)		
POLS 231 (3)	MUSI 333 (3)		
POLS 232 (3)	MUSI 335 or		
PSY 131 (3)	MUSI 322 (3)		
CS 116 (3)****	MUSI 337 (3)		
FS 101 (1)	MUSI 338 (3)		
MUSI 132*** (3)	MUSI 400 (0)		
	MUSI 431 (3)		
	MUSI Ensemble (5)		
	<b>Plus</b>		
	approved applied		
	instrument (MUSA) (8)		
	(7 in the major		
	instrument and		
	1 in Appropriate level of secondary piano)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Natural Sciences electives include: CHEM 112 and 132, GEOL 141, PHYS 101, PHYS 213 and 237, PHYS 214 and 238, BIOL 135, BIOL 136, and BIOL 246.

Performing Arts electives include: MUSI 131 and MUSI 239

\*\*\*\* MUSI 132 Intro to Computer Music may substitute for CS 116 as the core computer requirement.

#Not required but strongly recommended to prepare for the TExES certification exam.

**College of Liberal Arts and Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Arts in Music**  
**Teacher Certification Track**  
**Four Year Degree Plan - Total Credits: 128**

First Year	First Semester		Second Semester	
	Music 100 Seminar	0	Music 100 Seminar	0
	Performing Arts Elective***	3	Music 142 Theory II	2
	Music 141 Theory 1	2	Music 147 E.T./S.S II	1
	Music 146 E.T./S.S. 1	1	Musa 122 Major applied	1
	Musa 121 Major applied	1	Ensemble	1
	[Music 171 Class piano	1*]	Eng 132	3
	Ensemble	1	SC 135 or 136	3
	Math 13_	3	Biology 143 and (L)	4
	Eng 131	3		
	FS 101 Freshmen Seminar	1		
	16		15	

Second Year	Third Semester		Fourth Semester	
	Music 100 Seminar	0	Music 100 Seminar	0
	Music 241	2	Music 242 Theory IV	2
	Music 246 E.T./S.S.	1	Music 247 E.T./S.S. IV	1
	Musa 221 Major applied	1	Musa 222 Major applied	1
	Ensemble	1	Ensemble	1
	Hist 231	3	Music 223 Brass and Percussion	2
	Eng 23_	3	Music 132 Intro to Computer Music	3
	Science elective	4	History 232	3
			Pols 231	3
	15		16	

Third Year	Fifth Semester		Sixth Semester	
	Music 100 Seminar	0	Music 100 Seminar	0
	Music 225 String Instruments	2	Music 335 Orchestration <b>OR</b>	
	Pols 232	3	Music 322 Diction for Singers	3
	Psy 131	3	Music 338 Music History II	3
	EDCI 340 or 210	3	Music 321 Major applied	1
	Music 337 Music History I	3	Music 328 Instrumental Techniques	2
	Music 224 Woodwind Instruments	2	Music 333 Form and Analysis	3
			Ensemble	1
			Reading 401 Diverse Population	3
	16		16	

Fourth Year	Seventh Semester		Eighth Semester	
	Music 100 Music Seminar	0	Music 100 Music Seminar	1
	Musa 322 Major applied	1	Music 431 Conducting	3
	Music 329 Fund. of Mus Tech	3	Music 435 Seminar in Music Studies	3
	EDCI 310 Princip. And Fund. of Education	3	Music 421 Major applied	1
	EDCI 339 Classroom Management	3	Musa 411K Piano proficiency	1
	Music 331 Counterpoint <b>OR</b>		Music 400 Senior recital	0
	Music 439 Voice/Piano Pedagogy	3	Music 328 Psy. Of Learning Growth & Dev.	3
			EDCI 350 Effective Instructional Strategies	3
		13		15

Fifth Year	Ninth Semester			
	EDCI 468	6		
	Music 401 Capstone Seminar***	3		
	Complete certification requirements and forms			
	9			

\*\*\*Not required but strongly recommended to prepare for the TExES certification exam.

\*Students must be assessed by Piano Coordinator to determine appropriate class level to prepare for piano proficiency exam (USA 411K).

\*To reduce the number of credit hours taken per semester, the student has the option of enrolling in the university core courses during the summer sessions.

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN MUSIC  
(PERFORMANCE WITHOUT MINOR)  
TOTAL CREDITS REQUIRED: 125**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (MUSIC)</b>	<b>OTHER REQUIREMENTS</b>	<b>SPECIALTY REQUIREMENTS</b>
<b>45 credits</b>	<b>45 credits</b>	<b>17 credits</b>	<b>18 credits</b>
ENG 131 (3)**	MUSI 100 (1)	PE 1xx (1)	Select one of
ENG 132 (3)	MUSI 141 (2)	Foreign	the following sets:
SC 135 or 136 (3)	MUSI 146 (1)	Language (6)	<b>Applied</b>
MATH 133, 134, 135, or 136 (3)	MUSI 142 (2) MUSI 147 (1)	Music electives (10)	<b>Performance</b>
BIOL 143 (4)	MUSI 171 (1)		Approved MUSA, Ensemble, or
Natural Sciences (4)***	MUSI 241 (2)		upper level music
ENG 2xx (3)	MUSI 246 (1)		electives (18)
Performing Arts (3)#	MUSI 242 (2) MUSI 247 (1)		<b>Composition</b>
	MUSI 300 (0)		MUSI 150 (2)
HIST 231 (3)	MUSI 331 (3)		MUSI 151 (2)
HIST 232 (3)	MUSI 333 (3)		MUSI 250 (2)
POLS 231 (3)	MUSI 335 (3)		MUSI 251 (2)
POLS 232 (3)	MUSI 337 (3)		MUSI 350 (2)
Social & Behavioral Sciences (3)##	MUSI 338 (3) MUSI 400 (0) MUSI 431 (3)		MUSI 351 (2)
CS 116 (3)****	MUSI Ensemble (5)		Approved upper level MUSI electives (6)
Freshmen Seminar FS 102 (1)	<b>plus</b>		
	approved applied		
	instrument (MUSA) (8)		
	(7 in the major		
	instrument and 1 in		
	200 level secondary		
	piano or 400 level for voice majors)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Natural Sciences electives include: CHEM 112 and 132, GEOL 141, PHYS 101, PHYS 213 and 237, PHYS 214 and 238, BIOL 135, BIOL 136, and BIOL 246.

#Performing Arts electives include: MUSI 131 and MUSI 239.

##Social and Behavioral Sciences electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, and ECON 232.

\*\*\*\* MUSI 132 Intro to Computer Music may substitute for CS 116 as the core computer requirement.

**College of Liberal Arts and Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Arts in Music**  
**Performance Without Minor**  
**Four Year Degree Plan - Total Credits: 125**

<b>First Year</b>	<b>First Semester</b>		<b>Second Semester</b>	
	Music 100 Seminar	0	Music 100 Seminar	0
	Soc/Behavioral Science elective	3	Music 132 Intro to Computer Music	3
	Music 141 Theory I	2	Music 142 Theory II	2
	Music 146 E.T./S.S. 1	1	Music 147 E.T./S.S II	1
	Musa 131 Major applied	2	Musa 132 Major applied	2
	[Music 171 Class Piano	1*]	Ensemble	1
	Ensemble	1	Eng 132	3
	Math 13_	3	Biology 143 and (L) OR Chem 111, 131	4
	Eng 131	3	SC 135 or 136	3
	FS 101 Freshmen Seminar	1		
	17		16	
<b>Second Year</b>	<b>Third Semester</b>		<b>Fourth Semester</b>	
	Music 100 Seminar	0	Music 100 Seminar	0
	Music 241 Theory III	2	Music 242 Theory IV	2
	Music 246 E.T./S.S.	1	Music 247 E.T./S.S. IV	1
	Musa 231 Major applied	2	Musa 232 Major applied	2
	Ensemble	1	Ensemble	1
	Music 132 Intro to Computer Music	3	Science elective	4
	Eng 2__	3	Performing Arts Elective	3
	Hist 231	3	Hist 232	3
	15		16	
<b>Third Year</b>	<b>Fifth Semester</b>		<b>Sixth Semester</b>	
	Music 100 Seminar	0	Music 100 Seminar	0
	Music 331 Counterpoint	3	Music 300 Junior Recital	0
	Music 337 Music History I	3	Music 333 Form and Analysis	3
	Musa 331 Major applied	2	Music 338 Music History II	3
	Ensemble	1	Musa 332 Major applied	2
	Music elective	3	Ensemble	1
	Music elective	1	Pols 232	3
	Pols 231	3	Foreign Language	3
	16		15	



Fourth Year	Seventh Semester		Eighth Semester	
	Music 100 Seminar	0	Music 100 Seminar	1
	Music 335 Orchestration	3	Musa 432 Major applied	2
	Music 431 Conducting	3	Musa 212K or 411KSecondary piano	1
	Musa 431 Major applied	2	Ensemble	1
	Ensemble	1	Music 400 Senior recital	0
	Music elective	3	Music elective	3
	Foreign Language	3	Music elective	3
			Music elective	3
			PE _	1
	15		15	

\*Student must be assessed by piano coordinator to determine appropriate class level to prepare for piano proficiency exam (Musa 212K for instrumental majors or Musa 411k for voice majors).

\*To reduce the number of credit hours taken per semester, the student has the option of enrolling in the university core courses during the summer sessions.

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN MUSIC  
JAZZ PERFORMANCE  
TOTAL CREDITS REQUIRED: 125**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (MUSIC)</b>	<b>OTHER REQUIREMENTS</b>	<b>SPECIALTY REQUIREMENTS</b>
<b>45 credits</b>	<b>45 credits</b>	<b>12 credits</b>	<b>23 credits</b>
ENG 131 (3)**	MUSI 100 (1)	PE 1xx (1)	MUSI 228 (2)
ENG 132 (3)	MUSI 141 (2)	Foreign	MUSI 229 (2)
SC 135 or 136 (3)	MUSI 146 (1)	Language (6)	MUSI 254 (3)
MATH 133, 134, 135, or 136 (3)	MUSI 142 (2) MUSI 147 (1)	Music electives (5)	MUSI 343 (3) MUSI 480 (3)
BIOL 143 (4)	MUSI 171 (1)		<b>plus</b>
Natural Sciences (4)***	MUSI 241 (2)		approved MUSA and
ENG 2xx (3)	MUSI 246 (1)		Ensemble electives (10)
	MUSI 242 (2)		
Performing Arts Elective	MUSI 247 (1)		
(3)#	MUSI 300 (0)		
HIST 231 (3)	MUSI 253 (3)		
HIST 232 (3)	MUSI 333 (3)		
POLS 231 (3)	MUSI 355 (3)		
POLS 232 (3)	MUSI 337 (3)		
Social &	MUSI 338 (3)		
Behavioral	MUSI 400 (0)		
Sciences (3)##	MUSI 431 (3)		
Musi 132 (3)****	MUSI Ensemble (5)		
Freshmen Seminar FS 101 (1)	<b>plus</b>		
	approved applied		
	instrument (MUSA) (8)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Natural Sciences electives include: CHEM 112 and 132, GEOL 141, PHYS 101, PHYS 213 and 237, PHYS 214 and 238, BIOL 135, BIOL 136, and BIOL 246.

#Performing Arts electives include: MUSI 131 and MUSI 239.

##Social and Behavioral Sciences electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, and ECON 232.

\*\*\*\* MUSI 132 Intro to Computer Music may substitute for CS 116 as the core computer requirement.

**College of Liberal Arts and Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Arts in Music**  
**Jazz Performance**  
**Four Year Degree Plan - Total Credits: 125**

First Year	First Semester		Second Semester	
	Music 100 Seminar	0	Music 100 Seminar	0
	Soc/Behavior Science elective	3	Music 142 Theory II	2
	Music 141 Theory 1	2	Music 147 E.T./S.S II	1
	Music 146 E.T./S.S. 1	1	Musa 132 Major applied	2
	Musa 131 Major applied	2	Ensemble	1
	[*Music 171 Class Piano	*1]	SC 135 or 136	3
	Ensemble	3	Eng 132	3
	Math 13_	1	Biology 143 and (L) or Chem 111, 131	4
	Eng 131	3		
	FS 101 Freshmen Seminar	1		
	17		16	

Second Year	Third Semester		Fourth Semester	
	Music 100 Seminar	0	Music 100 Seminar	0
	Music 241	2	Music 242 Theory IV	2
	Music 246 E.T./S.S.	1	Music 247 E.T./S.S. IV	1
	Musa 231 Major applied	2	Musa 232 Major applied	2
	Ensemble	1	Ensemble	1
	Music 228 Jazz Improv. I	2	Science elective	4
	Eng 2__	3	Music 132 Introduction to Computer Music	3
	Hist. 231	3	Hist 232	3
		14		16

Third Year	Fifth Semester		Sixth Semester	
	Music 100 Seminar	0	Music Seminar	0
	Music 253 Jazz Theory I	3	Music 300 Junior Recital	0
	Music 337 Music History I	3	Music 254 Jazz Theory II	3
	Musa 331 Major applied	2	Music 333 Form and Analysis	3
	Ensemble	1	Music 338 Music History II	3
	Music 343 Jazz History	3	Musa 332 Major applied 1	2
	Pols 231	3	Pols 232	3
	Music 229 Jazz Improvisation II	2	Performing Arts elective	3
	17		17	

Fourth Year	Seventh Semester		Eighth Semester	
	Music Seminar	0	Music Seminar	1
	Music 431 Conducting	3	Music 400 Senior Recital	0
	Music 431 Major applied	2	Musa432 Major applied	2
	Ensemble	1	Musa 212K or 411K secondary piano	1
	Music 355 Jazz Arranging	3	Music 480 Business of Music	3
	Music elective	2	Foreign Language	3
	Foreign Language	3	Music elective	3
			PE_	1
	14		14	

\*Student must be assessed by piano coordinator to determine appropriate class level to prepare for piano proficiency exam (Musa 212K for instrumental majors or Musa 411K for voice majors).

### REQUIREMENTS FOR THE MUSIC MINOR

Students interested in a minor course of study in music must first report to the music office in the Department of Music to be assigned an advisor. To be placed in the appropriate applied music courses, each prospective student must be auditioned and counseled.

The music minor curriculum is an attractive and flexible course of study that can be designed around the strengths of each student. Courses, however, cannot be used to complete requirements for a major in elementary education. A minimum of twenty-one(21) semester hours is required.

#### Course Requirements

Musi	100	Seminar	0 hrs
Musi	141-146	Theory I and Sight Singing/Ear Training I	3 hrs
Musi	142-147	Theory II and Sight Singing/Ear Training II	3 hrs
Musi	Ensemble	Choir, Band, Jazz, Opera Workshop, Orchestra ( 2 semesters minimum)	2 hrs
Musi	Applied	Concentration in one area or a combination of two applied areas (ie: Musi 171/172 class piano, Musi 173/174 class voice and Musa 111-112, 211-212 in applied music courses)	4 hrs
Music	Electives	Upper level courses, one of which must be a Music 337 or 338	9 hrs

**The following is a list of recommended electives for students who are interested in the teaching profession:**

Musi	322	Diction for Singers	3 hrs
Musi	325	Song Literature	3 hrs
Musi	328	Instrumental Techniques	2 hrs
Musi	337	History of Music I	3 hrs
Musi	338	History of Music II	3 hrs
Musi	329	Fundamental Music Techniques	3 hrs
Musi	343	Jazz History	3 hrs
Musi	431	Conducting	3 hrs
Musi	435	Seminar in Music Studies	3 hrs
Musi	480	Business of Music	3 hrs

## DEPARTMENT OF PSYCHOLOGY

**The Department of Psychology at Texas Southern University (TSU) has two degree programs in Psychology, one undergraduate degree, the Bachelor of Arts (B.A.), and one graduate degree, the Master of Arts (M.A.). The Department also offers a minor in Psychology for students pursuing undergraduate degrees in majors of other academic units at TSU. The departmental curriculum includes course offerings in both Psychology (PSY) and Philosophy (PHIL).**

Students interested in the M.A. degree in Psychology are referred to the Graduate School Bulletin of Texas Southern University for general information about admission requirements.

The mission of the Department of Psychology is to contribute to the development of an individual who has assumed a productive role in society upon completion of a liberal education. To fulfill its mission, the Department of Psychology imparts 1) knowledge, skills, and values related to the science and application of psychology; and 2) knowledge, skills, and values consistent with a liberal arts education that are further enhanced by the discipline of psychology. After successful completion of the curriculum plan in psychology,

- (1) students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology;
- (2) students will understand and apply basic research methods in psychology, including research design, data analysis, and interpretation;
- (3) students will value and use critical and creative thinking, skeptical inquiry, and, when possible, the scientific approach to solve problems related to behavior and mental processes;
- (4) students will understand and apply psychological principles to personal, social, and organizational issues; and
- (5) students will be able to weigh evidence, tolerate ambiguity, act ethically, and reflect other values that are the underpinnings of psychology as a discipline.

Students wishing to pursue either the B.A. in Psychology or an undergraduate minor in Psychology must satisfy university requirements and remediate identified deficiencies, and must petition the Department for admission by completing the appropriate form available through the Departmental Office. Students applying to declare either major or minor in Psychology must

- present evidence of having an overall GPA of 2.50 or better;
- submit official copies of their transcripts;
- have completed PSY 131 (General Psychology) with a grade of “B” or better;
- have their petitions reviewed by the department.

Students are notified of the departmental decision within thirty (30) days after submission of their petitions. New freshmen to the university can declare the major or minor, but their status will be reevaluated after the third semester in the major or minor to determine whether they are eligible to remain in Psychology. Transfer students from other colleges will be admitted to the major or minor in Psychology according to the criteria used to evaluate students who are attempting to transfer internally. Students must also achieve a grade of “C” or better in PSY 234 Elementary Statistics by the end of 36 semester credit hours to remain in the Psychology major or minor. Upon admission to the Department, students are each assigned an official advisor, and they are expected to keep the Department Office informed of changes in contact information including home and mailing addresses and telephone number up to graduation.

To reiterate, students must gain admission to the University; must satisfy university requirements; and must fulfill prerequisites noted above. Once all university requirements have been fulfilled, students can apply to the Department to declare an undergraduate major (or minor) in Psychology. The admission of eligible students into the psychology major (or minor) is subject to the approval of departmental and college administration. Once admitted, each student is assigned an official advisor who provides comprehensive advisement that is on-going as he or she progresses toward the successful completion of the degree plan or minor requirements in Psychology.

For the B.A. degree in Psychology, students must declare a minor in another academic discipline (as first-time seekers of an undergraduate degree) at the University and must earn grades of “C” or better in all Psychology and minor courses undertaken. (Grades of “C-” are not acceptable in these courses.) In selecting a minor, psychology majors should seek detailed advisement from their designated advisors, because the selection of a minor having representative courses in the core curriculum of study could

impact the total number of credits required. Students can remain in the Psychology major or minor as long as they maintain a grade of “C” or higher in all Psychology courses with no more than two attempts for a given course; do not receive a “F” in two or more courses, or a “D” or lower in three or more courses, in a single semester; and maintain an overall GPA of 2.0 or higher in two consecutive semesters

In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed. Psychology majors and minors must also have a cumulative GPA of 2.50 across all Psychology courses taken to be eligible for graduation. Prior to graduation, candidates for the B.A. degree in Psychology must also successfully complete an exit examination in the Department in more than two attempts. Students who do not pass the exit examination will not be allowed to participate in the graduation ceremony, and must reapply for graduation in the next semester. Students who do not pass the exit exam after two attempts may petition for a third and final attempt. They are required to attend mandatory workshops before admission to the exit exam. The outcome of the exit exam on the third attempt will determine whether these students graduate with an undergraduate degree in psychology.

For a minor in Psychology, students must first pass PSY 131 (General Psychology) with a grade of “B” or better. Subsequently, twenty-one (21) semester credit hours are required through enrollment in six specified courses (credit values indicated) and one elective course. The specified courses are as follows: PSY 231 (3 credits), PSY 234 (3 credits), PSY 235 (3 credits), PSY 331 (3 credits), PSY 433 (3 credits), and PSY 435 (3 credits). The elective course may be selected from one of the following three-credit courses: PSY 332, PSY 333, PSY 336, PSY 432, PSY 434, PSY 436, PSY 439, PSY 461, and PSY 463. Students must earn grades of “C” or better in the seven (7) courses constituting the minor. As is the case for the major in Psychology, minor courses completed by a Psychology Major in another academic discipline must be completed with grades of “C” or better, where grades of “C-” are unacceptable.

For further information regarding the Psychology major or minor requirements, contact the Department Office at (713)-313-7344.

The Department of Psychology is located in the College of Liberal Arts and Behavioral Sciences in Suite 302 on the third floor of the Mickey Leland/Barbara Jordan Building.

### PSYCHOLOGY FACULTY

<p><b>Belcher, Leon H.</b>  <b>Professor</b>            B.S., M.A., University of Arkansas            Ph.D., University of Northern Colorado</p>	<p><b>Geyen, Dashiel J.</b>  <b>Visiting Assistant Professor</b>            B.S., Lamar University            M.P.H., University of Texas at Houston            M.A., Ed.D., Texas Southern University</p>
<p><b>Braud, Lendell W.</b>  <b>Professor</b>            B.S., M.A., Ph.D.,            University of Houston-University Park</p>	<p><b>Qualls, Albert L.</b>  <b>Instructor</b>            B.B.A., University of Oklahoma            M.A., Texas Southern University</p>
<p><b>Broussard, Dominique</b>  <b>Visiting Assistant Professor</b>            B.A., Loyola University            M.Ed., University of Georgia            Ph.D., University of Georgia</p>	<p><b>Rouce, Sandra D.</b>  <b>Associate Professor</b>            B.A., University of Oklahoma            M.A., Ph.D., George Peabody College</p>
<p><b>Clay, William A. L., III</b>  <b>Associate Professor</b>            B.A., Rutgers University            M.A., Howard University            Ph.D., Texas A&amp;M University</p>	<p><b>Whaley, Arthur L.</b>  <b>Professor</b>            A.B., Princeton University            M.S., Ph.D., Rutgers University            M.P.H., Dr.P.H., Columbia University</p>
<p><b>Freeman, Thomas F.</b>  <b>Professor</b>            B.A., Virginia Union University            B.D., Andover-Newton Theological School            Ph.D., University of Chicago</p>	



- PSY 435**                      **Psychology of Personality**                      **(3)**  
 Consideration of the individual as both a social and biological unit by relating each group of factors to the development of personality. Three hours of lecture per week. Prerequisites: Completion of nine (9) semester credit hours in Psychology and consent of the instructor.
- PSY 436**                      **Biopsychology**                      **(3)**  
 Study of brain structures and their relationship to behavior. Brain chemicals and psychoactive medications also covered. Three hours of lecture per week. Prerequisites: Completion of nine (9) semester credit hours in Psychology.
- PSY 439**                      **Behavioral Problems in Children**                      **(3)**  
 Survey of behavioral abnormalities in children with particular emphasis on types of social and emotional disorders. Three hours of lecture per week. Prerequisite: Consent of the instructor or Faculty Chair. Formerly listed as Behavioral Psychology under the same course designation.
- PSY 461**                      **Selected Topics in Psychology**                      **(3)**  
 Seminar which focuses upon selected topics in the field of Psychology. Three hours of lecture per week. Prerequisite: Senior standing and the completion of at least twelve (12) semester credit hours in Psychology.
- PSY 463**                      **Independent Study in Psychology**                      **(3)**  
 Investigation of an area in Psychology and/or the conduction of a research project under the direction of a faculty member. Prerequisites: Senior standing and consent of the Faculty Chair.

#### PHILOSOPHY COURSES

- PHIL 231**                      **Introduction to Philosophy**                      **(3)**  
 Exploration of the methods and problems of philosophy through critical discussion and analysis of contemporary social and moral issues. Three hours of lecture per week. **Listed as PHIL 1301 in the Texas Common Course Numbering System.**
- PHIL 431**                      **Aesthetics**                      **(3)**  
 Critical examination of classical and contemporary aesthetic theories and their relevance for students' aesthetic experiences. Three hours of lecture per week.



**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN PSYCHOLOGY  
TOTAL CREDITS REQUIRED 121**

CORE CURRICULUM	MAJOR (PSYCHOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
<b>44 credits</b>	<b>36 credits</b>	<b>20 credits</b>	<b>21 credits</b>
ENG 131 (3)	PSY 131 (3)	CS 117 (3)	Psychology majors
ENG 131 (3)	PSY 231 (3)	SPAN 131 or FR 131 (3)	must consult minor
SC 135 or 136 (3)	PSY 234 (3)	SPAN 132 or FR 132 (3)	department for
MATH 133 (3)	PSY 235 (3)	HED 233 (3)	their requirements
BIOL 143 (4)	PSY 331 (3)	MATH 135 (3)	
GEOL 141 or PHY 101 (3)	PSY 334 (3)	PE 1xx (1)	
	PSY 432 (3)	PE 1xx (1)	
ENG 2xx (3)	PSY 433 (3)	PHIL 231 (3)	
MUSI 239 (3)	PSY 435 (3)	FS 102 (1)	
HIST 231 (3)	PSY 436 (3)		
HIST 232 (3)	plus		
POLS 231 (3)	Two upper level		
POLS 232 (3)	electives (6) from:		
SOC 221 (3)	PSY 332, PSY 333,		
CS 116 (3)	PSY 336, PSY 434		
	PSY 439, PSY 461		
	or PSY 463		

**College of Liberal Arts & Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Arts Degree in Psychology**  
**4 Year Degree Plan – Total Credits: 120**

First Year	First Semester		Second Semester			
	PSY 131	General Psychology	3	PSY 231	Child Psychology	3
	ENG 131	Freshman English I	3	ENG 132	Freshman English II	3
	MATH 133	College Algebra	3	MATH 135	Math Business Economic Analys	3
	BIOL 143	Survey of Life Science	4	HED 233	History & Principles of Health	2
	PHY. ED. (100-125)		1	GEOL/PHYS Intro to Earth/Prin of Phys Sci		4
				PHY. ED. (100-125)		1
		14 hrs			16 hrs	

Second Year	Third Semester		Fourth Semester			
	PSY 234	Elementary Statistics	3	PSY 235	Educational Psychology	3
	PSY 331	Psychology of Learning	3	CS 117	Introduction to Computer Science II	3
	CS 116	Introduction to Computer Science I	3	HIST 232	Social & Political History of the United States since 1877	3
	HIST 231	Social & Political History of the United States to 1877	3	SC 135 or 136	Business & Professional Communication or Public Address	3
	ENG 2xx	Upper level English	3	MINOR		3
		15 hrs			15 hrs	

Third Year	Fifth Semester		Sixth Semester			
	PSY 432	Social Psychology	3	PSY 334	Experimental Psychology	3
	SPAN /FR 131	Elem. Spanish I /Elem. French I	3	SPAN /FR 132	Elem. Spanish II /Elem. French II	3
	PSY 436	Biopsychology	3	SOC 221	Sociology of Human Sexuality	3
	POLS 231	American Political Systems I	3	POLS 232	American Political Systems II	3
	MINOR		3	MINOR		3
		15 hrs			15 hrs	

Fourth Year	Seventh Semester		Eighth Semester			
	PSY 433	Abnormal Psychology	3	PSY 435	Psychology of Personality	3
	PSY ELECTIVE		3	PSY ELECTIVE		3
	MINOR		3	MINOR		3
	MINOR		3	MINOR		3
	PHIL 231	Introduction to Philosophy	3	MUSI 239	Fine Arts in Daily Living	3
		15 hrs			15 hrs	

## DEPARTMENT OF SOCIAL WORK

The Department of Social Work offers courses in Social Work (SOCW) and the **Bachelor of Arts (B.A.) in Social Work**. **The B.A. in Social Work is accredited by the Council on Social Work Education (CSWE)**. Unlike many of the departments offering undergraduate degrees at the University that allow students from other disciplines to declare minors therein, this unit does not allow the declaration of a minor in Social Work. Additionally, **students pursuing the B.A. in Social Work are not required to declare a minor in a second academic discipline.**

The mission of the Department of Social Work is to prepare students from diverse backgrounds for entry-level generalist professional social work practice with special attention to the complexities of the urban environment. This preparation, with its foundation in professional knowledge, values, and skills, emphasizes practice with individuals, families, groups, organizations, and communities, especially populations at risk. As reflected in the program goals below, these populations include, in particular, people of color (specifically African Americans) as well as other groups identified as most vulnerable to poverty, violence, disabilities, and economic and social inequities. Further emphasis is placed on the development of advocates for system and policy changes that promote social and economic justice given the challenges of urban settings and global conditions.

The baccalaureate Social Work Program expresses its commitment to social work's purpose, values and ethics throughout the various components of the curriculum wherein students are exposed to the values and ethical foundation consistent with that of the social work profession. The knowledge and skills acquired over the course of the program are directly correlated to 41 specific practice behaviors which operationalize the CSWE's 10 Core Competencies as defined in the 2008 Educational Policy and Accreditation Standards.

The liberal arts perspective, social science cognates and social work courses (core and electives) provide opportunities to learn about and incorporate the ethical and value orientations necessary for effective practice. Faculty are fully aware of the necessity to introduce to students, nurture and facilitate the continual attention to the values and ethical positions of the profession to guide practice actions. Further instruction supports the professional commitment to continue contributing to the ongoing assessment of these perspectives. Each of the program goals addresses the purpose, values and ethics of the profession to some degree and is derived from its mission in order to:

1. Prepare students for entry-level generalist social work practice with client systems of all sizes and types, especially concerned with the complexities of urban settings.
2. Prepare students for practice with diverse populations, especially African Americans, other people of color, and populations at risk to social and economic inequities nationally and globally.
3. Prepare students with knowledge, values and skills for practice that will further develop the profession and promote just, more humane, and equitable service delivery.
4. Provide a comprehensive curriculum infused with values and ethics of the profession as a guide for social work practice.
5. Provide students with a strong educational foundation that fosters a commitment to continuous personal and professional development, and advanced training, especially for those who aspire to pursue graduate education.

Students wishing to pursue the undergraduate degree offered through the Department must first gain admission to the University, must satisfy THEA and/or other university placement responsibility requirements and eradicate identified deficiencies through Student Academic Enhancement Services, and must petition the Department for admission as THEA requirements are completed. Each student must be admitted by the Department, as a major, before attempting to meet all of the requirements for the degree. Interested students are asked to contact the Department Office during their freshman year in order to obtain admissions information and procedures. **No academic credit is given for prior life experiences.**

**The overall Social Work major is structured** to conform to a "Curriculum Guide" that is available for reference in the Social Work Department. This guide outlines the required sequence of courses that must be completed satisfactorily through the senior year. It also assures the preparedness of students for placement in field education in various community agencies.

**A total of 50 credits is required in Social Work for completion of the B.A. degree in which grades of "C" or better must be earned. Grades of "C-" are unacceptable in core Social Work courses and in cognate courses taken in psychology and sociology.** A student who has **two (2) unsatisfactory grades** in a given core Social Work course **will not be permitted to re-enroll** for a third time. Therefore this student must meet with their faculty advisor for further academic guidance.

No more than three grades below a "C" may be earned in all other courses. Where courses are part of a liberal arts content area, students may not earn consecutive grades of C- or below in the represented discipline. A grade below a "D" will not be accepted for credit.

All courses required through the junior year must be completed satisfactorily in order for students to progress to the senior year Block I and the required associated Block I Field Placement. Courses required during the senior year are organized into two blocks: **Block I and Block II**. In order to proceed to Block, a minimum GPA of 2.5 must be accrued by the end of the junior year. Block I courses (SOCW 440, SOCW 440L, SOCW 443, SOCW 444, SOCW 444S, and SOCW 450) must be taken concurrently during the first half of the senior year. Students who receive a C- or below in more than one Block I course must petition the Department and receive approval to proceed to Block II.

Block II courses (SOCW 439, SOCW 441, SOCW 441L, SOCW 446, SOCW 446S, and a SOCW elective, if applicable) must be taken concurrently during the second half of the senior year. **An exit examination is required of graduating seniors. Please note: Social Work graduates are required to pass the state licensing examination in order to practice social work in the state of Texas.**

**In summary, interested students must first gain admission to the University; must meet their THEA and/or other university placement responsibility; must fulfill prerequisites referenced above; and must petition for admission to the Department. The Social Work major has specific entrance requirements that must be met before acceptance can be granted. Students are provided with extensive advisement once admitted to ensure proper progression toward graduation, and an exit examination is required of graduating seniors. For additional information, questions regarding the Social Work major, department location and parking may be directed to (713)-313-7783.**

#### LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Boutté-Queen, Needha M.</b>  <b>Associate Professor</b>  <b>Department Chair</b>          B.A., Texas Southern University          M.A., University of Chicago          Ph.D., University of Houston</p>	<p><b>White, Sara</b>  <b>Assistant Professor</b>          LMSW-AP, ACSW*          B.A., Miami University          M.A., University of Chicago</p>
<p><b>Dr. Nicole Willis</b>  <b>Assistant Professor</b>  <b>LMSW</b>  <b>University of South Carolina</b>  <b>M.A. University of Houston</b>  <b>Ph.D. University of Houston</b></p>	
<p>Full time faculty are supported by the presence and expertise of visiting instructors and adjunct faculty. At the present time these faculty members and their most recent professional affiliations include:</p> <p>Ms. Mency Anderson, UT OB/GYN Clinic          Dr. Gloria Batiste-Roberts, TSU Honors Program          Dr. Deanna Lott Burrell, TSU Retired          Ms. Jennifer Herring, TSU          Ms. Roxanne Henry, Harris County Social Services          Dr. Nelda Lewis, TSU Retired          Ms. Catheryn Longino, TSU</p>	

\*Licensures are indicated on this line that are specific to Social Work with the following references noted: **LMSW** for Licensed Master Social Worker; **LMSW-AP** for Licensed Master Social Worker - Advanced Practitioner; and **ACSW** for Academy of Certified Social Workers.

## SOCIAL WORK COURSES

- SOCW 145 Introduction to Social Welfare (3)**  
Introduction to representative fields, practices, agencies, services, and professional groups engaged in social welfare with particular emphasis on Social Work and required field experience. Three hours of lecture and four hours of laboratory/field experience per week.
- SOCW 246 Social Welfare Legislation (3)**  
Intensive examination and discussion of selected social legislation. Emphasis on the Social Security Act and other Acts closely related to social welfare services and social work. Required field experience. Three hours of lecture and four hours of laboratory/field experience per week. Prerequisite: SOCW 145.
- SOCW 333 Violence and Abuse in Families (3)**  
Consideration of selected aspects of violence and abuse: patterns (wife, child), types (physical, emotional, sexual), theories of causation, manifestation, and social service programs. Three hours of lecture per week. Prerequisite: Junior standing.
- SOCW 335 Service to Children and Youth in Institutional Settings (3)**  
Examines selected representative services for children and youth in terms of their programs, method of service delivery, and needs in settings other than the home. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: Junior standing.
- SOCW 340 Seminar in Helping (3)**  
Examination and discussion of motives, value orientations, and approaches used in helping with emphasis on self awareness, interviewing, observation, data management, and integration as key tools in the helping process. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: SOCW 246 or consent of the instructor.
- SOCW 341 Social Services in Medical Settings (3)**  
Analysis of service providers, their roles, ethics, values, and functions as provided to clientele in health and medical settings. Emphasis on the role of the Social Worker. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: Junior standing.
- SOCW 342 Seminar on Aging (3)**  
Introduction to the aged and aging process. Emphasis on the major concepts related to aging, associated critical issues, and social services. Three hours of lecture per week. Prerequisite: Junior standing.
- SOCW 343 Social Work and the Law (3)**  
Study and analysis of selected laws directly related to social work practice in the provision of services to individuals, groups, and communities. Three hours of lecture per week. Prerequisite: Junior standing.
- SOCW 345 Human Behavior in the Social Environment (for Health Related Majors ONLY) (3)**  
Emphasis on holistic approach to understanding human behavior across the lifespan for non-social work majors.
- SOCW 346 Human Behavior in the Social Environment (for Social Work Majors ONLY) (3)**  
Integrated biological/psychological/sociological approach toward understanding the aspects of behavior. Examines the person-in-environment concept from the systems ecological perspective. Three hours of lecture and two hours of laboratory/field experience per week. **Prerequisite: SOCW 145 and SOCW 246.** Corequisite: Enrollment in SOCW 340 or consent of the instructor.
- SOCW 347 Human Behavior in the Social Environment II (3)**  
Application of the theoretical framework of systems ecological perspective with emphasis upon families, groups, communities, and organizations. Examines issues of diversity, structure, and outcome of transactions between and within systems. Three hours of lecture and two hours of laboratory/field experience per week. **Prerequisites: SOCW 340 and SOCW 346** or consent of the instructor.

SOCW 439	<b>Social Welfare Policy</b>	(3)
	Exploration and assessment of legislative/policy issues with reference to Social Work. Three hours of lecture per week. Prerequisite: Completion of Block I. Corequisite: Enrollment in Block II.	
SOCW 440	<b>Generalist Practice I</b>	(3)
	Micro level focuses on the integrated use of a knowledge/value approach for the development of generalist skills in providing intervention strategies of direct services to appropriate client systems. Three hours of lecture per week. <b>Prerequisites: SOCW 340, SOCW 346, and SOCW 347.</b> Corequisite: Enrollment in Block I.	
SOCW 440L	<b>Generalist Practice Laboratory I</b>	(2)
	Practice laboratory to accompany SOCW 440. Two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block I.	
OCW 441	<b>Generalist Practice II</b>	(3)
	Builds upon skills, practice knowledge, and value base of generalist intervention with a primary focus on macro systems (families, groups, communities, and organizations). Three hours of lecture per week. Prerequisite: Completion of Block I. Corequisite: Enrollment in Block II.	
SOCW 441L	<b>Generalist Practice Laboratory II</b>	(2)
	Practice laboratory to accompany SOCW 441. Two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block II.	
SOCW 442	<b>Seminar on Dying and Death</b>	(3)
	Examination of values and attitudes related to social services during terminal illness, death, and planning with survivors. Three hours of lecture per week. Prerequisite: Senior standing.	
SOCW 443	<b>Theories in Social Work Practice</b>	(3)
	Critical analysis and evaluation of major selected social work practice theories. Three hours of lecture per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block I.	
SOCW 444	<b>Field Instruction I</b>	(4)
	An educationally directed field placement for the development and utilization of professional social work practice skills. Sixteen hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisites: Enrollment in Block I and SOCW 444S.	
SOCW 444S	<b>Field Instruction Seminar I</b>	(1)
	Group discussion and integration of field practicum experiences. Accompanies SOCW 444. One hour of lecture per week. Corequisite: Enrollment in Block I.	
SOCW 446	<b>Field Instruction II</b>	(4)
	Continuation of SOCW 444 with evaluation of practicum experience. Sixteen hours of laboratory/field experience per week. Prerequisite: Completion of Block I. Corequisite: Enrollment in Block II.	
SOCW 446S	<b>Field Instruction Seminar II</b>	(1)
	Continuation of SOCW 444S with discussion and integration of field practicum experience. Accompanies SOCW 446. One hour of lecture per week. Corequisite: Enrollment in Block II.	
SOCW 447	<b>Independent Study in Social Welfare</b>	(3)
	Selection of topics by students for study and analysis culminating in a paper suitable for publication. Prerequisite: Senior standing or consent of the instructor.	
SOCW 448	<b>Topical Seminar in Social Welfare</b>	(3)
	Selected topics in social welfare and/or areas/topics normally not covered in published curricula. Three hours of laboratory/field experience or research per week. Prerequisite: Consent of the instructor.	
SOCW 450	<b>Social Work Practice Research and Evaluation</b>	(3)
	Application of empirical measurements to determine the effectiveness of one's own practice and evaluation of practice skills, policy implementation, program service, and self assessment. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block I.	

CURRICULUM SUMMARY FOR BACHELOR OF ARTS DEGREE IN SOCIAL WORK TOTAL CREDITS REQUIRED: 126		
CORE CURRICULUM (STANDARD)*	MAJOR (SOCIAL WORK)	OTHER REQUIREMENTS
<b>44 credits</b>	<b>50 credits</b>	<b>32 credits</b>
ENG 131 (3)**	SOCW 145 (3)	ECON 231 (3)
ENG 132 (3)	SOCW 246 (3)	HED 233 (2)
SC 135 or 136 (3)	SOCW 340 (3)	PE 1xx (1)
MATH 133 (3)	SOCW 346 (3)	PE 1xx (1)
BIOL 131, 111 (4)	SOCW 347 (3)	Statistics (3)***
BIOL 132, 112 (4)	SOCW 439 (3)	SOC 157 (3)
ENG 2xx (3)	SOCW 440 (3)	SOC 158 (3)
MUSI 239 (3)	SOCW 440L (2)	SOC 359 (3)
HIST 231 (3)	SOCW 441 (3)	Approved SC Elective (3)
HIST 232 (3)	SOCW 441L (2)	PSY Elective (3)
POLS 231 (3)	SOCW 443 (3)	Free Upper Level Electives (6)
POLS 232 (3)	SOCW 444 (4)	FS 102 (1)
PSY 131 (3)	SOCW 444S (1)	
CS 116 (2)	SOCW 446 (4)	
CS 116L (1)	SOCW 446S (1)	
	SOCW 450 (3)	
	SOCW Electives (6)	

\* All Social Work majors and intended majors are **strongly encouraged to obtain advising** from a departmental advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* The 3 credits required in statistics may be earned through any department at the University where a three-credit lower level statistics course is offered.

**College of Liberal Arts and Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Arts Degree in Social Work**  
**Four Year Degree Plan - Total Credits: 126**

First Year	First Semester		Second Semester	
	Math 133	3	Speech 135 or 136	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	Sociology 157	3	Sociology 158	3
	Intro Social Welfare ( <b>SOCW 145</b> )	3	Computer Science 116 (2) /116L (1)	3
	FS 102 Freshman Seminar	1	Physical Ed (2 PE classes)	2
		17 hrs		18 hrs

Second Year	Third Semester		Fourth Semester	
	ENG 2xx Upper level English	3	Speech 232, 233, 332, 333, ..., etc.	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	MUSI 239	3	Psychology 131	3
	Political Science 231	3	Political Science 232	3
	Social Welfare Legislation ( <b>SOCW 246</b> )	3	Economics 231	3
			Health Education 233	2
	15 hrs		17 hrs	

Third Year	Fifth Semester		Sixth Semester	
	Psychology (elective)	3	SOCW Elective	3
	Electives (Must be 300-400 level)	3	SOCW Elective	3
	Seminar in Helping ( <b>SOCW 340</b> )	3	Electives (Must be 300-400 level)	3
	Statistics (PSY, SOC, BUS, PA, MTH)	3	Social Research ( <b>SOC 359</b> )	3
	*Human Behavior in Soc Env I ( <b>SOCW346</b> )	3	**Human Behavior in Soc Env II ( <b>SOCW 347</b> )	3
	15 hrs		15 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	Generalist Practice I ( <b>SOCW 440</b> )	3	Generalist Practice II ( <b>SOCW 441</b> )	3
	Generalist Practice Lab I ( <b>SOCW 440L</b> )	2	Generalist Practice Lab II ( <b>SOCW 441L</b> )	2
	Theories of Soc Practice ( <b>SOCW 443</b> )	3	Social Welfare Policy ( <b>SOCW 439</b> )	3
	Field Instruction ( <b>SOCW 444</b> )	4	Field Instruction II ( <b>SOCW 446</b> )	4
	Field Instruction Seminar ( <b>SOCW 444S</b> )	1	Field Instruction II Seminar	1
	Social Work Research & Eval ( <b>SOCW 450</b> )	3		
	16 hrs		13 hrs	

\*SOCW 346 is a Fall only course and must be taken in the first Fall semester of the Junior year

\*\*SOCW 347 is a Spring only course and must be taken in the final Spring semester prior to Block I entry



## DEPARTMENT OF SOCIOLOGY

The Department of Sociology offers coursework leading to two degrees: the **Bachelor of Arts (B.A.) and Master of Arts (M.A.)**. **A minor in Sociology** is also offered for students pursuing undergraduate degrees in departments where they are required to declare a minor. Interested students may secure information from the Department of Sociology office located in the Barbara Jordan and Mickey Leland School of Public Affairs building.

**Students interested in the Master of Arts Degree in Sociology should refer to the Graduate School Bulletin of Texas Southern University.**

The mission of the Department of Sociology at Texas Southern University is to become a nationally recognized leader in the Urban Sociological training of students who will enter graduate/professional school or career oriented professions. Students are trained with a special emphasis on sociological theory, methodology, and the substantive areas of social inequality and urban sociology. The major in Sociology will, both orally and in written form, demonstrate how this discipline advances scientific knowledge, demonstrate an understanding of sociological theory and methodology, and be able to successfully complete a scientific research project. Within the curriculum students will be challenged to develop their critical thinking skills, to utilize technology in the acquisition and analysis of data and to participate in service learning activities in the Houston metropolitan community.

**Upon completing this program, the Sociology major will be able to demonstrate an understanding of the following:**

1. The discipline of Sociology and its role in contributing to our understanding of social reality, such that the student will be able to: (a) describe how Sociology differs from and is similar to other social sciences; (b) describe how Sociology contributes to a liberal arts understanding of social reality; and (c) apply the sociological imagination, sociological principles and concepts to his/her own life.
2. The role of theory in Sociology, such that the student will be able to: (a) define theory and describe its role in building sociological knowledge; (b) compare and contrast basic theoretical orientations; (c) demonstrate how theories reflect the historical context of times and cultures in which they were developed; and (d) describe and apply basic theories and theoretical orientations in at least one area of social reality.
3. The role of evidence and qualitative and quantitative methods in Sociology, such that the student will be able to: (a) identify basic methodological approaches and describe the general role of methods in building sociological knowledge; (b) compare and contrast the basic methodological approaches for gathering data. (c) design a research study and explain why various decisions are made; and (d) critically assess a published research report and explain how the study could have been improved.
4. The technical skills involved in retrieving information and data from the internet and using computers appropriately for data analysis. The Sociology major should also be able to do (social) scientific technical writing that accurately conveys data findings and to demonstrate an understanding and application of principles of ethical practice as a sociologist.
5. In depth knowledge of at least two specialty areas within Sociology, such that the student will be able to: (a) summarize basic questions and issues in the areas; (b) compare and contrast basic theoretical orientations and middle range theories in the areas; (c) demonstrate how Sociology helps the understanding of the area; (d) summarize content research in the area; and (e) develop specific policy implications of research and theories in the areas.

**The major in Sociology requires a total of thirty-six (36) semester credit hours in Sociology courses. Only grades of "C" or better are accepted (grades of "C-" are unacceptable).** First-time degree seeking students pursuing this degree must declare a minor in a second academic discipline. Once admitted to the University, Sociology majors are assigned a faculty advisor who will advise them of the curriculum courses that are required to receive the B.A. degree in Sociology. The faculty advisor should be consulted in the selection of a required minor for the B.A. in Sociology. The Department of Sociology must have a current address and telephone number of each student pursuing the B.A. degree in Sociology. Students can be assured of the confidentiality of this information.

Students interested in seeking the undergraduate degree (B.A. in Sociology) or the Sociology minor must first gain admission to the University, satisfy THEA requirements, satisfy deficiencies assessed at the time of admission through the Office of Student Academic Enhancement Services Center, and petition the Department for admission as THEA requirements are completed. Students must schedule at least two academic conferences per semester for course approval and status verification for progress

toward graduation. In no case will students qualify for graduation at the undergraduate level with fewer than 124 semester credit hours satisfactorily completed. **An exit examination is required of all Sociology candidates for the B.A. degree in Sociology.**

**For the minor in Sociology, twenty-one (21) semester credit hours are required,** exclusive of freshman level courses SOC 157 and SOC 158. Students pursuing the minor in Sociology must enroll in the following three-credit courses for a total of 12 credits: SOC 254, SOC 354, SOC 357, and SOC 359. An additional 9 credits must be approved by a Sociology Faculty advisor or the Department Chairperson. **Students seeking the minor in Sociology, while pursuing undergraduate degrees in other departments, must earn grades of “C” or better (grades of “C-” are unacceptable) in all courses related to the Sociology minor.**

Sociology majors and all interested students are encouraged to become members of **The Sociology Scholars Association** and to participate in the Spring and Fall semester **Sociology Lecture Seminars**. The Department of Sociology strives to enhance the student’s college experience by providing the opportunity to develop leadership skills, participate in research oriented forums, strengthen interpersonal communication skills, and make contributions to the community by participating in service-oriented projects.

**Alpha Kappa Delta (AKD)** is an international academic Sociology honor society and an integral component of the Department of Sociology at Texas Southern University. The Honor Society’s focus promotes the scientific study of society through research and service to mankind. The purpose of this honor society is to promote scholarship, both at the graduate and undergraduate levels. Sociology Faculty members are diligent in encouraging all sociology majors to excel in their academic studies. To become a member of AKD, a student must be an officially declared Sociology major or have a serious interest in Sociology within an official program of the University; has to have at least junior standing; have maintained a 3.0 in Sociology courses; has accumulated the equivalent of an overall grade point average of 3.0 on a four point scale and rank in the top 35% of their class in general scholarship; and has completed at least four regular courses in sociology prior to initiation.

**In summary, interested students must first gain admission to the University, meet their THEA responsibility, satisfy any deficiencies assessed at the time of admission, and petition the Department for admission. To ensure proper progression toward graduation students are required to seek advisement from departmental faculty, and an exit examination is required of graduating seniors. For further information regarding the Sociology major or minor requirements, contact the Department at (713)-313-7250.**

#### LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Cox, Betty B.</b>  <b>Associate Professor</b>            B.A., M.A., Texas Southern University            Ed.D., University of Houston</p>	<p><b>Siwatu, Mxolisi</b>  <b>Assistant Professor</b>            B.A., Grambling State University            M.A., Ph.D., Howard University</p>
<p><b>Jackson, Kenneth W.</b>  <b>Associate Professor</b>            B.A., M.A., Texas Southern University            Ph.D., University of Chicago</p>	<p><b>Slatton, Brittany C.</b>  <b>Assistant Professor</b>            B.A., Northern Illinois University            M.A., Virginia State University            Ph.D. Texas A &amp; M</p>
<p><b>James, Bonnie L.</b>  <b>Assistant Professor</b>            B.A., M.A., Texas Southern University</p>	<p><b>Swan, Llewellyn Alex</b>  <b>Professor</b>            B.S., Oakwood College            M.A., Atlanta University            M.S., Ph.D., University of California at Berkeley</p>
<p><b>Mosley, E. Dianne</b>  <b>Associate Professor</b>            B.A., University of Texas at Austin            M.A., Texas Southern University            Ph.D., Texas Woman’s University</p>	

## SOCIOLOGY COURSES

- SOC 141**                    **Texas: A Multicultural Society**                    (3)  
Study of selected ethnic groups and their contributions to the development of Texas and the nation. Three hours of lecture per week.
- SOC 157**                    **Introduction to Sociology**                    (3)  
Presentation of basic concepts and processes in the sociological analysis of micro and macro socio-cultural systems. Three hours of lecture per week. **Listed as SOCI 1301 in the Texas Common Course Numbering System.**
- SOC 158**                    **Contemporary Social Issues**                    (3)  
Selected current social issues discussed from the perspective of contemporary theories of social problems. Three hours of lecture per week. **Listed as SOCI 1306 in the Texas Common Course Numbering System.**
- SOC 211**                    **Social Adjustment to College**                    (1)  
Designed to help students develop the practical knowledge, skills, and attitudes essential for a successful and rewarding college experience. One hour of lecture per week.
- SOC 221**                    **Sociology of Human Sexuality**                    (3)  
Examination of the physiological, sociological, and psychological variables that influence human sexuality both within and outside the confines of the institution of marriage. Three hours of lecture per week. **Listed as SOCI 2306 in the Texas Common Course Numbering System.**
- SOC 238**                    **Introduction to Anthropology**                    (3)  
General introduction to anthropology and the subdisciplines of anthropology, including a general introduction to the major topical areas within each anthropological subdiscipline. Three hours of lecture per week. **Listed as ANTH 2346 in the Texas Common Course Numbering System.**
- SOC 254**                    **Black Perspectives in Sociology**                    (3)  
Presentation of the works and critical analysis of a variety of issues that concern the group life of African Americans. Three hours of lecture per week.
- SOC 257**                    **School Sociology**                    (3)  
Critical analysis of the character and nature of education in complex societies: relationship to political, economic, and cultural processes; impact on individual and community behavior and development; the learning process; and the classroom as a social system. Three hours of lecture per week.
- SOC 322**                    **Social Psychology**                    (3)  
Basic concepts of social psychology with emphasis on the interrelations among individuals, society, and its sociocultural subsystems. Three hours of lecture per week.
- SOC 331**                    **Sociology of the Family**                    (3)  
Presentation of theoretical perspectives that influence family studies and a discussion of the forces external and internal to the family that impact its structure, process, and function. Emphasis placed on Black families and the establishment and development of a family unit. Three hours of lecture per week.
- SOC 335**                    **Ethnic Groups in Society**                    (3)  
Presentation and discussion of the nature and character of society and the presence of racial and ethnic groups within the social order. Three hours of lecture per week.
- SOC 337**                    **Urban Community Life**                    (3)  
Designed to take stock of the knowledge accumulated regarding the social and psychological consequences of community life. Examination of the historical background of cities and the three main sociological theories of urbanism with speculations about the urban future. Three hours of lecture per week.

<b>SOC 344</b>	<b>Social Stratification</b> Examination of the various types of social stratification and their effects on human behavior and life chances. Three hours of lecture per week.	<b>(3)</b>
<b>SOC 351</b>	<b>Criminology</b> Study of the causes of crime; the social, economic, and political context of the development of law; and the development of crime control strategies and penology. Three hours of lecture per week.	<b>(3)</b>
<b>SOC 354</b>	<b>Sociological Statistics</b> Descriptive and simple inductive statistics, selected mathematical topics, and orientation to computer applications in the analysis of sociological data. Two hours of lecture and two hours of laboratory per week. Prerequisites: SOC 157 and SOC 158.	<b>(3)</b>
<b>SOC 357</b>	<b>Sociological Theory</b> Study of selected social theories and their major contributions to the field of Sociology. Three hours of lecture per week.	<b>(3)</b>
<b>SOC 359</b>	<b>Sociological Research</b> Study of quantitative and qualitative research techniques for data collection and analysis. Two hours of lecture and one hour of laboratory per week.	<b>(3)</b>
<b>SOC 435</b>	<b>Juvenile Delinquency and Juvenile Justice</b> Discussion of the major theoretical notions which attempt to explain juvenile delinquency; the development of the juvenile justice system; and various strategies of delinquency, including diversion programs. Three hours of lecture per week.	<b>(3)</b>
<b>SOC 438</b>	<b>Collective Behavior and Social Movements</b> Study of human societies and culture. Emphasis placed on ethnographic anthropological research. Three hours of lecture per week.	<b>(3)</b>
<b>SOC 450</b>	<b>Seminar in Methodology</b> Consideration of the requirements specified by the scientific method and the hazards encountered when this method is not followed. Examination of common purpose of research, alternative research designs, sampling, and several techniques for collecting data. Three hours of lecture per week. Prerequisites: SOC 157, SOC 354, and SOC 359.	<b>(3)</b>
<b>SOC 452</b>	<b>Sociology of Work</b> This course examines the sociological dimensions of work and occupations. Specific topics may include: the organizational context of work, occupational and labour market structures, job satisfaction, industrial relations, technological change, and the effects of gender, age, race/ethnicity on how work and employment are experienced. Three hours of lecture per week.	<b>(3)</b>
<b>SOC 456</b>	<b>Independent Study</b> Independent study in theoretical and applied sociology designed to allow juniors and seniors to work independently on topics of special interest not covered in depth in course offerings. Work may be done in a tutorial relationship with an individual faculty member or in a seminar.	<b>(3)</b>
<b>SOC 457</b>	<b>Seminar in Sociological Theory</b> Critical analysis and evaluation of the major theoretical perspectives (structural functionalism; conflict Marxian; and symbolic interactionism, exchange, and ethnomethodology) that dominate the field of sociological explorations. Three hours of lecture per week. Prerequisites: SOC 157 and SOC 357.	<b>(3)</b>
<b>SOC 458</b>	<b>Seminar in Applications of Sociology</b> Designed for seniors who will demonstrate their knowledge and skills in the discipline of sociology by developing a publishable work applying sociological knowledge and experience systematically to a specific social issue under the supervision of a faculty member. Prerequisites: SOC 157, SOC 354, and SOC 450.	<b>(3)</b>
<b>SOC 460</b>	<b>Women in Society</b> Examination of changing gender roles and the effects on the social and cultural status of women. Three hours of lecture per week.	<b>(3)</b>

CURRICULUM SUMMARY FOR BACHELOR OF ARTS DEGREE IN SOCIOLOGY TOTAL CREDITS REQUIRED: 125			
CORE CURRICULUM (STANDARD)*	MAJOR (SOCIOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	36 credits	24 credits	21 credits
ENG 131 (3)**	SOC 157 (3)	CS 117 (3)	Contact
ENG 132 (3)	SOC 158 (3)	ECON 231 (3)	department of
SC 135 or 136 (3)	SOC 254 (3)	ENG 2xx (3)	choice after
MATH 133 (3)	SOC 221 or 257 (3)	MATH 134 (3)	being admitted
BIOL 143 (4)	SOC 354 (3)	SOC 141 (3)	as a
GEOL 141 (4)	SOC 357 (3)	HED 233 (2)	Sociology Major
ENG 2xx (3)	SOC 359 (3)	Electives (6)	by the Department.
MUSI 239 (3)	SOC 450 (3)	FS 102 (1)	
HIST 231 (3)	SOC 457 (3)		
HIST 232 (3)	SOC 458 (3)		
POLS 231 (3)	300 or 400 Level		
POLS 232 (3)	SOC Elective (3)		
SOC 238 (3)	300 or 400 Level		
CS 116 (3)	SOC Elective (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

CURRICULUM SUMMARY FOR MINOR IN SOCIOLOGY TOTAL CREDITS REQUIRED: 21 (EXCLUSIVE OF DEPARTMENTAL PREREQUISITIES)		
DEPARTMENT PREREQUISITIES	REQUIRED COURSES	REQUIRED SOCIOLOGY ELECTIVES
6 credits	12 credits	9 credits
SOC 157 (3)**	SOC 254 (3)	200 Level (3)
SOC 158 (3)	SOC 354 (3)	300 or 400 Level (3)
	SOC 357 (3)	300 or 400 Level (3)
	SOC 359 (3)	

\*\* (N) represents the number of course credits.

**College of Liberal Arts and Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Arts Degree in Sociology**  
**4 Year Degree Plan - Total Credits: 125**

First Year	First Semester		Second Semester	
	Sociology 157 Introduction to Sociology	3	Sociology 158 Contemporary Issues in Society	3
	English 131 Freshman English I	3	English 132 Freshman English II	3
	Biology 143 Survey of Life Science	4	Computer Science 117 Introduction to Computer Science II	3
	Mathematics 133 College Algebra	3	Geology 141 Introduction to the Earth	4
	Computer Science 116 Introduction to Computer Science I	3	Mathematics 134 Plane Trigonometry	3
	Freshman Seminar 102	1		
	<b>TOTAL HOURS</b>	<b>17</b>	<b>TOTAL HOURS</b>	<b>16</b>

Second Year	Third Semester		Fourth Semester	
	Sociology 254 Black Perspectives in Sociology	3	Sociology 141 Texas: A Multicultural State	3
	English: Any 200 Level	3	English: Any 200 Level	3
	Economics 231 Principles of Economics I	3	Political Science 232 American Political Systems II	3
	Health 233 History and Principles of Health	2	Speech 135 Business and Professional Communication or Speech 136 Public Address	3
	Political Science 231 American Political Systems I	3	Music 239 Fine Arts in Daily Living	3
	History 231 Social and Political History of the United States to 1877	3	History 232 Social and Political History of the United States Since 1877	3
<b>TOTAL HOURS</b>	<b>17</b>	<b>TOTAL HOURS</b>	<b>18</b>	

Third Year	Fifth Semester		Sixth Semester	
	Sociology 354 Sociological Statistics	3	Sociology 359 Sociological Research	3
	Sociology 357 Sociological Theory	3	Sociology 457 Modern Sociological Theory	3
	Sociology 238 Introduction to Anthropology	3	Sociology: Any 300/400 Level	3
	Minor	3	Sociology 221 Human Sexuality or Sociology 257 School Sociology	3
	Minor	3	Minor	3
			Minor	3
<b>TOTAL HOURS</b>	<b>15</b>	<b>TOTAL HOURS</b>	<b>18</b>	

Fourth Year	Seventh Semester		Eighth Semester	
	Sociology 450 Seminar in Methodology	3	Sociology 458 Applications in Sociology	3
	Minor	3	Sociology: Any 300/400 Level Course	3
	Minor	3	Elective	3
	Minor	3	Elective	3
<b>TOTAL HOURS</b>	<b>12</b>	<b>TOTAL HOURS</b>	<b>12</b>	

## DEPARTMENT OF VISUAL AND PERFORMING ARTS

The Department of Visual and Performing Arts brings together two Liberal Arts disciplines devoted to creative endeavors at the University: Visual Arts and Theatre. The highly trained and professionally active Arts faculty offer studio, digital and certification courses in art and technical and performing courses in theatre. The Bachelor of Arts (B.A.) Degree in Art and the Bachelor of Arts (B.A.) Degree in Theatre are offered along with minors in each area for students pursuing undergraduate degrees in other departments and colleges. The John T. Biggers Art Center is home to the Visual Art Program. Dr. Biggers (noted muralist, painter and griot) founded the art program in 1948 and along with Mr. Carroll Harris Simms (noted Ceramics & Sculpture Artist) and built a unique visual arts curriculum. The Ollington Smith Playhouse is home to the Theatre Program. The Theatre Program was founded in 1974 by Professor Ollington Smith (noted Director and Playwright) in 1974. Smith is credited with the development of a strong touring and performing arts program.

The Mission of the Department of Visual and Performing Arts is to prepare and train competent, confident, creative, practicing career visual artists and actors for a growing local, state, regional and national community within a global world. Hence, real and theoretical experiences in aesthetic inquiry, creative choices, artistic investigations, hands-on and real life explorations are paramount to classroom instruction. The explosion of technology in every field makes the use of all forms of computer/digital resources in teaching art and theatre courses essential.

Curricular offerings are designed to provide a broad liberal arts education. Students are provided with a strong undergraduate education upon which to base the pursuit of career opportunities and advanced or graduate study. Faculty members in the Department are committed to providing an educational environment where aspiring visual and performing artists and creative craftsmen develop in the understanding and mastering of critical inquiry techniques, where all students may gain an appreciation of the cultural historical and educational values of the arts, and where cultural awareness translates to the community and the larger global society.

Requirements for the B.A. in Art, and the B.A. in Theatre, as well as minors in each area offered through this unit, are summarized below with exact requirements dependent upon the track, including specialty, or minor selected. All courses designated as either major or minor courses must be completed with grades of “C” or better, where grades of “C-” are unacceptable. In considering requirements for one of the bachelor’s degrees, or one of the minors, students must first be admitted by the University, must satisfy ASSET requirements, must eradicate deficiencies assessed through Student Academic Enhancement Services, must petition the Department for admission as ASSET requirements are completed, and must complete preliminary requirements established by the Department for majors. Further admission and graduation requirements for the Department are considered below. **An exit examination in the content area of study is required of all graduating seniors.**

**Individuals interested in seeking certification for teaching in the public or private schools of Texas in academic disciplines offered through the Department should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.**

**For the minor in Art, 22 semester credit hours are required** through enrollment in the following: ART 131 (3 credits); ART 133 (3 credits); ART 201 (1 credit); ART 231 (3 credits); one art history class of choice (3 credits); and 9 additional upper-level elective credits in ART. The minimum grade requirement for each course in this minor is referenced above.

**For the minor in Visual and Performing Arts, 22 semester credit hours are required** through enrollment in the following: ART 131 (3 credits); ART 201 (1 credit); ART 133 (3 credits), and ART 137, 139, 235 or 236 (3 credits) and THE 130 (3), THC 231 (3), THC 337, or 338 (3 credits) and 438 (3 credits). In addition, students minoring in Visual & Performing Arts must participate **in two University Players productions.**

**For the minor in Theatre, 21 semester credit hours are required** through enrollment in five designated three-credit courses (THC 130, THC 151, THC 231, THC 337 or 338, THC 491 or THC 492) and 6 additional upper-level elective credits in THC. The minimum grade requirement for each of these courses is referenced above.

In petitioning the Department for admission as either a major or minor, students are required to schedule a personal interview through the Department Office. At the time of interview, students are asked to either present an art portfolio or perform an audition as part of the procedure for admission to the Department. Once admitted, students are each assigned a faculty advisor for continuous advisement and schedule approval up to the time of graduation. At the beginning of the senior year, students must

meet the approval of a panel of faculty members prior to enrollment in courses related to final projects such as Senior exhibitions, and performances. Majors are expected to maintain an overall GPA of 2.50 or better to remain in good standing and to keep the Department Office informed of current local addresses and telephone numbers. All majors should request that the Faculty Chair evaluate their transcripts during the first semester of their senior year to ascertain their graduation status and again just before applying for graduation.

In summary, interested students must first gain admission to the University, must meet their ASSET responsibility, and must adhere to admission and graduation requirements specified in this section. Students are each assigned an official advisor and provided with extensive advisement upon admission to the Department to ensure proper progression toward graduation. An exit examination is required of all graduating seniors. For additional information, students should contact the Department Office at (713) 313-7337.

#### LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Beineman, Christopher</b>  <b>Associate Professor</b>            B.F.A., McMurry University            M.F.A., University of Georgia</p>	<p><b>Meloncon, Thomas</b>  <b>Associate Professor</b>            B.A., Texas Southern University            M.A., Texas Southern University</p>
<p><b>Brown, Lenard</b>  <b>Assistant Professor</b>            B.F.A., Texas A &amp; M, Corpus Christi            M.F.A., Ohio State University</p>	<p><b>Rodriguez-González, Rosarito</b>  <b>Assistant Professor</b>            B.F.A., University Puerto Rico            M.F.A. Savannah School of Art and Design</p>
<p><b>Brown-Guillory, Elizabeth</b>  <b>Distinguished Professor</b>            B.A., University of Louisiana, Lafayette            M.A., University of Louisiana, Lafayette            Ph.D., Florida State University</p>	<p><b>Trotty, Sarah A.</b>  <b>Associate Professor, Interim Chair</b>            B.S. Art Ed., University of Houston            M. Art Ed., Texas Southern University            Ph.D., Purdue University</p>
<p><b>Green, Leamon</b>  <b>Associate Professor</b>            B.F.A., Cleveland Institute of Art            M.F.A., Temple University</p>	<p><b>Wardlaw, Alvia J.</b>  <b>Professor</b>            B.A., Wellesley College            M.A., New York University            Ph.D., University of Texas at Austin</p>
<p><b>Jemison-Pollard, Dianne</b>  <b>Professor</b>            B.A., Fisk University            M.A., University of Wisconsin            M.F.A., Catholic University of America            Ed.D, Texas Southern University</p>	



## ART COURSES

- ART 130**                    **Introduction to Visual Art**                    **(3)**  
A three credit hour lecture course for the non art major. The course surveys the visual fine arts by identifying the different kinds, the intended purpose and the artists who create them. Artists, artworks, and artistic styles are studied in an art historical and cultural context. Extra consideration includes artists and artworks on the Texas Southern University campus. Attention is also given to artworks concerning gender, political and cultural themes. Does not satisfy art major requirements. Listed as Arts 1301 in the Texas Common Course Numbering System.
- ART 131**                    **Drawing and Composition I**                    **(3)**  
Basic principles of drawing and composition incorporating the elements and principles of art to provide opportunities for self-expression through the use of varied drawing media and subject matter. Six hours of laboratory per week. Listed as ARTS 1316 in the Texas Common Course Numbering System.
- ART 132**                    **Drawing and Composition II**                    **(3)**  
Continuation of ART 131 with emphasis on the human figure. Six hours of laboratory per week. Prerequisite: ART 131. Listed as ARTS 1317 in the Texas Common Course Numbering System.
- ART 133**                    **Creative Design I**                    **(3)**  
Design fundamentals with emphasis on the nature of materials and color theory. Six hours of laboratory per week. Listed as ARTS 1311 in the Texas Common Course Numbering System.
- ART 134**                    **Creative Design II**                    **(3)**  
Continuation of ART 133 with emphasis on 3-D applications. Six hours of laboratory per week. Prerequisite: ART 133. Listed as ARTS 1312 in the Texas Common Course Numbering System.
- ART 135**                    **Topics in Contemporary Art and Culture**                    **(3)**  
Introduction to all visual art with special topics in contemporary art and their relationships to cultural issues. Basic elements of sculpture, painting, architecture, performance art, environmental art, computer art, and ceramics are discussed and examined. Three hours of lecture per week. Required for art majors. Listed as Arts 1301 in the Texas Common Course Numbering System
- ART 137**                    **Introduction to African Art**                    **(3)**  
Fundamentals of African art as related to the philosophies which developed the cultures of the Nile River, the Sahara, the Coastal Forest, and the Savannah. Royal court art, functional art, architecture, decorative adornment, and art as a symbol of rites of passage are examined. Three hours of lecture per week.
- ART 139**                    **African-American Art and Culture**                    **(3)**  
Analysis of the roots of African-American creativity along with an examination of nineteenth century African-American artists and their relationship to Europe, the Harlem Renaissance, the Sixties, and the emergence of African-American artists in Texas. Three hours of lecture per week
- ART 201**                    **Art Seminar**                    **(0-1)**  
A seminar course for majors and minors to present their work for regular critiques. Enrichment and professional experiences presented are by faculty and visiting artists. Career and graduate school are emphasized for juniors and seniors. Must be repeated for up to 4 semester credits earned by Juniors/Seniors. During freshman and sophomore years of enrollment, counted as 0 credit and pass (p)/fail (f) only. One hour of lecture per week.
- ART 231**                    **Elementary Painting I**                    **(3)**  
Basic painting techniques related to figure, still life, and landscape painting. Includes acrylic, gouache, and oil painting. Six hours of laboratory per week. Listed as ARTS 2316 in the Texas Common Course Numbering System.

- ART 232 Elementary Painting II (3)**  
Continuation of ART 231. Six hours of laboratory per week. Prerequisite: ART 231. **Listed as ARTS 2317 in the Texas Common Course Numbering System.**
- ART 233 Introduction to Computer Generated Art and Design (3)**  
Broad range of graphic art, desktop publishing, and digital imaging software covered with a focus on combining basic computer techniques and design fundamentals. Use of the computer as a design tool for creating commercial and fine art applications emphasized. Six hours of laboratory per week. Prerequisites: ART 131 and ART 133. **Listed as ARTS 2348 in the Texas Common Course Numbering System.**
- ART 234 Intermediate Computer Illustration and Typography (3)**  
Intermediate course for students planning to become graphics professionals. Contemporary software packages used to explore what makes effective layout and illustration. Six hours of laboratory per week. Prerequisite: ART 233. **Listed as ARTS 2349 in the Texas Common Course Numbering System.**
- ART 235 Ancient, Medieval and Renaissance Art (Art History I) (3)**  
Historical examination of the transition of art from ancient through the Medieval Period, where it was created communally resulting in cathedrals as places of worship and exchange, to the Renaissance Period, where the artist/patron relationship developed. The Role of humanistic ideas in developing subject matter of the artists considered. Three hours of lecture per week. **Listed as Arts 1303 in the Texas Common Course Numbering System.**
- ART 236 Baroque and Modern Art (Art History II) (3)**  
Examination of the challenge to surpass the Renaissance as expressed in the sometimes idiosyncratic stylizations of Baroque creativity as an appropriate prelude to the expansion of ideas, the restructuring of technique, the influence of society and the visual approach that defines the Modern Era. Three hours of lecture per week. **Listed as 1304 in the Texas Common Course Numbering System.**
- ART 237 Ceramics and Pottery I (3)**  
General ceramics and pottery course for beginners that includes hand-built and wheel-thrown objects. Six hours of laboratory per week. **Listed as ARTS 2346 in the Texas Common Course Numbering System.**
- ART 238 Ceramics and Pottery II (3)**  
Continuation of ART 237. Six hours of laboratory per week. Prerequisite: ART 237. **Listed as ARTS 2347 in the Texas Common Course Numbering System.**
- ART 303 Art Studio I (3)**  
Independent studio for junior or senior level majors with a major advisor in a specialized area of research. The area of study will be listed in students' folder for record purposes.
- ART 321 Life Sketch I (3)**  
Skillful representation of the human figure using the live model to represent various conditions of life. Individualized approaches using varied subject matter, media, and techniques are emphasized. Six hours of laboratory per week. Prerequisite: Junior standing as art major.
- ART 322 Life Sketch II (3)**  
Continuation of ART 321 representing the human figure while emphasizing specific types of rendering expressions in various drawing media. An individual and creative approach required. Six hours of laboratory per week. Prerequisite: ART 321.
- ART 331 Sculpture I (3)**  
Creative approach to three-dimensional sculpture, nature study, organic form, and structure in clay and varied media. Six hours of laboratory per week.



- ART 431                     Advanced Drawing I   (3)**  
 Drawing techniques and composition, including interior perspective, foreshortening of live subjects and still life objects. Rendering techniques explored in depth. Three hours of laboratory per week. Prerequisite: ART 131 and 132.
- ART 432                     Advanced Drawing II    (3)**  
 Course utilizing African Art as the model for anatomical studies. Three hours of laboratory per week. Prerequisite: ART 431.
- ART 433                     Advanced Painting   (3)**  
 Independent study course for students specializing in painting that explores all media related to painting. Prerequisites: ART 335 and ART 336.
- ART 434                     Mural Painting   (3)**  
 Independent study course in mural painting techniques. Prerequisites: ART 231 and ART 232. Required course for all art majors.
- ART 436                     Three-Dimensional Art and Artists II                                   (3)**  
 Advance Studio techniques in three-dimensional art with emphasis on the study of noted artists in the field and certifications applications. One hour of lecture and three hours of laboratory per week. Prerequisite: ART 339.
- ART 437                     Printmaking III   (3)**  
 Methods and techniques used in the production of black and white linoleum and lithographic multiple edition prints utilizing original drawings with an individual creative approach to subject matter. Six hours of laboratory per week. Prerequisites: ART 337 and ART 338..
- ART 438                     Printmaking IV   (3)**  
 Production of multiple editions of color linoleum and lithographic prints utilizing original drawings with an individual creative approach to subject matter. Six hours of laboratory per week. Prerequisites: ART 437.
- ART 439                     Design and Illustration   (3)**  
 Computer based study of studio production techniques, design elements, media choice, typography, and conceptual imagery. Six hours of laboratory per week. Prerequisites: ART 133, ART 134, ART 233, and ART 333.
- ART 440                     Screen Printing / Design   (3)**  
 Techniques used in screen-printing of numbered edition prints, fabrics, wallpaper, tiles, plastics, and other media with both fine art and industrial applications explored. Six hours of laboratory per week. Prerequisites: ART 133, ART 134, ART 233, Art 333 and Art 439.

#### THEATRE COURSES

- THC 130                     Introduction to Theatre   (3)**  
 Overview of the theatre -- its aesthetics, theory, history, and relationships to other elements of society. May be used to satisfy aesthetics requirement for the various undergraduate degrees offered through the University. Three hours of lecture per week. **Listed as DRAM 1310 in the Texas Common Course Numbering System.**
- THC 151                     Basic Technical Theatre   (3)**  
 Overview of fundamental principles of scenery construction and rigging, makeup, lighting, and costume. Dismantling and storing of scenery also included. One hour of lecture and four hours of laboratory per week.

THC 152	<b>Basic Technical Theatre Continued and Basic Stage Lighting</b> Advanced study including research application of principles of scenery construction and rigging, makeup, lighting, and costume. Actual responsibility in the lighting of scenes of plays required. Dismantling and storing of scenery including additional lighting equipment required.
THC 231	<b>Elements of Acting (Acting I)</b> (3) Movement, voice, and character analysis. Three hours of lecture per week. Prerequisite: THE 130 or consent of the instructor. <b>Listed as DRAM 1351 in the Texas Common Course Numbering System.</b>
THC 232	<b>Elements of Acting II (Acting II)</b> (3) Advanced study of movement, voice and character analysis. Three hours of lecture per week. Prerequisite: THE 130 or consent of the instructor. <b>Listed as DRAM 1352 in the Texas Common Course Numbering System.</b>
THC 240	<b>Oral Interpretation</b> (3) Emphasis on understanding literature through the study of meaning, imagery, mood, and theme. Analysis and development of techniques of presentation. Three hours of lecture per week. Prerequisite: SC 140 or consent of the instructor.
THC 251	<b>Scene Design I</b> (3) Development of scenic design, principles of perspective and balance; types of scenery; painting and decorating scenery. One hour of lecture and four hours of laboratory per week.
THC 252	<b>Scene Designs II</b> <b>Advanced</b> development of scenic design, principles of perspective and balance; types of scenery; painting and decorating scenery. One hour of lecture and four hours of laboratory per week.
THC 253	<b>Stage Lighting</b> (3) Introduction to principles and practices of stage lighting design. Practical training in use of color, lighting instruments, and control. Includes production participation. Two hours of lecture and two hours of laboratory per week.
THC 331	<b>Stage Makeup</b> (3) Theory and practice of the design and application of makeup for stage, television, and film. Two hours of lecture and two hours of laboratory per week.
THC 332	<b>Playwriting</b> (3) Introduction to theory, form, and materials used in the art and craft of playwriting; analysis of plays and assignments in imaginative writing. Three hours of lecture per week. Prerequisite: THC 130 or consent of the instructor.
THC 334	<b>Play Directing</b> (3) Study of the principles and techniques of play direction. Students must direct a one-act play. One hour of lecture and four hours of laboratory per week. Prerequisite: THC 231 or consent of the instructor.
THC 337	<b>History of Theatre I</b> (3) Development of the theatre from the Greeks to the 17th century. Three hours of lecture per week.
THC 338	<b>History of Theatre II</b> (3) English and Continental theatre from the 17th century to the 20th century. Three hours of lecture per week.

- THC 339 Black Drama (3)**  
Analytical study of selected Black playwrights and their plays from the past to the present. Emphasis on the influences on style, form, and content. Three hours of lecture per week.
- THC 430 Musical Theatre (3)**  
**Introduction to Musical Theatre; providing instruction in basic techniques of singing, dancing, acting and audition techniques. Prerequisite: Consent of Instructor/Available to music majors.**
- THC 431 Styles of Acting (3)**  
Advanced training in character work, styles of acting, and performance with emphasis on individual acting problems. Three hours of lecture per week. Prerequisite: THC 231 or consent of the instructor.
- THC 436 History of Costumes (3)**  
**An overview of historical periods of dress as they affect play production.**
- THC 438 Modern Drama (3)**  
Literature of theatre from late 19<sup>th</sup> – 21<sup>st</sup> century, changes in style, and modern revolutionary patterns. Three hours of lecture per week.
- THC 450 Problems in Theatre / Cinema (3)**  
Problems of current concern in theatre; topics vary according to time and instructor. May be repeated as topics change. Two hours of lecture and two hours of laboratory per week. Prerequisite: Consent of the instructor.
- THC 457 Creative Dramatics for Children (3)**  
**Techniques employed in selecting, mounting, directing and presenting plays for children.**
- THC 491 Theatre / Cinema Practicum I (3)**  
Design and production of one complete project in student's area of expertise. Includes activity point assessment. Six hours of laboratory per week. Open to minors only. Prerequisites: Graduating Senior standing and consent of the instructor.
- THC 492 Theatre / Cinema Practicum II (3)**  
Same as THC 491, but offered during the spring semester only. Six hours of laboratory per week. Open to minors only. Prerequisites: Graduating Senior standing and consent of the instructor.
- THC 497 Practicum I (9)**  
Research project in theatre performance or technical theatre which includes activity point assessment. Open to senior majors only. Prerequisites: Consent of the instructor and the Faculty Chair.
- THC 498 Practicum II (9)**  
Continuation of THC 497 which includes activity point assessment through internship and report in local theatres. Sixty hours at an approved theatre site. Open to senior majors only. Prerequisites: THC 497, consent of the instructor, and consent of the Faculty Chair.
- THC 499 Practicum III (9)**  
Continuation of THC 498 which includes activity point assessment. Senior project must be presented showcasing talent in either performance or technical theatre. Open to Graduating Senior majors only. Prerequisites: THE 498, consent of the instructor, and consent of the Faculty Chair. The EXIT examination will be administered in this course.

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN ART  
(WITH MINOR AND WITHOUT SPECIALTY)  
TOTAL CREDITS REQUIRED: 124**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (ART)</b>	<b>MINOR REQUIREMENTS</b>
<b>45 credits</b>	<b>55 credits</b>	<b>21 credits</b>
ENG 131 (3)**	ART 132 (3)	Contact
ENG 132 (3)	ART 133 (3)	department of
SC 135 or 136 (3)	ART 134 (3)	choice after
MATH 133 (3)	ART 135 (3)	being admitted
BIOL 143 or	ART 137 or ART 139 (3)	as an
PHYS 101 (4)	ART 201 (4) @ "1" plus 4 @ "0" ^	Art Major
CHEM 111, 131 (4) or GEOL 141 (4)	ART 231 (3)	and after
ENG 2xx (3)	ART 232 (3)	Being
ART 131 (3)	ART 235 (3)	advised by
HIST 231 (3)	ART 236 (3)	the major
HIST 232 (3)	ART 321 (3)	advisor.
POLS 231 (3)	ART 322 (3)	
POLS 232 (3)	ART 331 (3)	
Social &	ART 335 (3)	
Behavioral	ART 337 (3)	
Sciences (3)****	ART 400 (3)	
ART 233 (3)*****	ART 434 (3)	
FS 101 Freshmen Seminar (1)	<b>plus</b>	
	(3) approved ART elective	
	credits selected from the	
	3-credit courses below:	
	ART 136, ART 137,	
	ART 139, ART 237,	
	ART 339,	
	ART 370	
	ART 436	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Visual and Performing Arts elective requires: ART 131..

\*\*\*\* Social and Behavioral Science electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, and ECON 232.

\*\*\*\*\* ART 233 Intro to Computer Generated Art and Design substitutes for CS 116 as the core computer requirement.

^In order to earn 4 credits in ART 201, students must enroll in four times for 1 credit. In addition, it should be enrolled in four times for 0 credit and pass/fail grades only. Thus, ART 201 should be taken each semester for 8 semesters.

**College of Liberal Arts and Behavioral Sciences**  
**Texas Southern University**  
**Bachelor of Arts in Art**  
**(With Minor and Without Specialty)**  
**Four Year Degree Plan - Total Credits: 124**

First Year	First Semester		Second Semester	
	Art 131	3	Art 132	3
	Art 133	3	Art 134	3
	Art 135	3	Art 137 or 139	3
	Art 201	0	Art 201	0
	Eng 131	3	Eng 132	3
	SC 135 or 136	3	Art 233	3
	FS 101 Freshmen Seminar	1		
		16		15

Second Year	Third Semester		Fourth Semester	
	Art 201	0	Art 201	0
	Art 235	3	Art 232	3
	Art 231	3	Art 236	3
	Math 133	3	Soc or Behavioral Sci	3
	Hist 231	3	Hist 232	3
	Eng 2XX	3	Pols 231	3
		15		15

Third Year	Fifth Semester		Sixth Semester	
	Art 201	1	Art 201	1
	Art Elective	3	Art 322	3
	Art 331	3	Art 331	3
	BIOL 143 or Phys 101	4	Art 335	3
	Art 321	3	GEOL 141 or Chem 111	4
	Pols 232	3	Minor	3
	17		17	

Fourth Year	Seventh Semester		Eighth Semester	
	Art 201	1	Art 201	1
	Minor	3	Art 400	3
	Art 434	3	Minor	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	Art 337	3		
	16		13	



**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN ART  
(WITH SPECIALTY AND WITHOUT MINOR)  
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	MAJOR (ART)	SPECIALTY REQUIREMENTS
45 credits	58 credits	18 credits
ENG 131 (3)**	ART 132 (3)	Select one of
ENG 132 (3)	ART 133 (3)	the following
SC 135 or 136 (3)	ART 134 (3)	sets for specialty:
MATH 133 (3)	ART 135 (3)	<b>Art History/Art Education^^</b>
BIOL 143 or	ART 137 or 139 (3)	ART 137, or 139 (3), ART 402 (6)
PHYS 101 (4)	ART 201(4) @ "1" plus 4 @ "0"^	ART 370 (3), ART 436 (3), ART 339 (3)
CHEM 111, 131 or GEOL 141 (4)		<b>Design/Printmaking</b>
ENG 2xx (3)	ART 231 (3)	ART 303 (3), ART 333 (3),
ART 131 (3)***	ART 232 (3)	ART 439 (3)
HIST 231 (3)	ART 235 (3)	ART 338 (3), ART 437 (3), ART Upper Level Art Elective (3)
HIST 232 (3)	ART 236 (3)	
POLS 231 (3)	ART 321 (3)	<b>Drawing/Painting</b> ART 431 (3) , ART 432(3)
POLS 232 (3)	ART 322 (3)	ART 303 (3), ART 336 (3),
Social &	ART 331 (3)	ART 433 (3), &Upper level elective (3)
Behavioral	ART 335 (3)	
Sciences (3)****	ART 337 (3)	
ART 233 (3)*****	ART 400 (3)	
FS 101 Freshmen Seminar	ART 434 (3)	
	<b>Plus</b>	
	(6) ART electives of choice all studio majors	
	(6)-Art electives below for Art History/ Education majors:	
	ART 137,	
	ART 139, ,	
	ART 237,	
	ART 371,	
	ART 435	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* **ART 131 meets Visual & Performing Arts requirement.**

\*\*\*\***Social and Behavioral Sciences electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, and ECON 232.**

\*\*\*\*\* ART 233 Intro to Computer Generated Art and Design substitutes for CS 116 as the core computer requirement.

^ In order to earn 4 credits in ART 201, students must enroll in four times for 1 credit. In addition, it should be enrolled in four times for 0 credit and pass/fail grades only. Thus, ART 201 should be taken each semester for 8 semesters.

^^Art History/Certification prepares students for Museum Studies and students are expected to assist with a minimum of two Museum exhibitions.

College of Liberal Arts and Behavioral Sciences  
Texas Southern University  
Bachelor of Arts in Art  
(With Specialty and Without Minor)  
Four Year Degree Plan - Total Credits: 121

First Year	First Semester		Second Semester	
	Art 131	3	Art 132	3
	Art 133	3	Art 134	3
	Art 135	3	Art 137 Or 139	3
	Art 201	0	Art 201	0
	Eng 131	3	Eng 132	3
	Math 133	3	SC 135 or 136	3
	FS 101 Freshmen Seminar	1		
	16		15	

Second Year	Third Semester		Fourth Semester	
	Art 201	0	Art 201	0
	BIO 143 or Phy 101	4	Art 232	3
	Art 235	3	Art 233	3
	Art 233	3	Art 236	3
	Hist. 231	3	Geol 141 or Chem 111	4
	Art 231	3	Hist. 232	3
	16		16	

Third Year	Fifth Semester		Sixth Semester	
	Art 201	1	Art 201	1
	Art 335	3	Pols 232	3
	Pols 231	3	Art 331	3
	Eng 2XX	3	Art Elective 100-200 level	3
	Art 321	3	Social & Behavioral Sci	3
	Art 337	3	Art 322	3
	16		16	

Fourth Year	Seventh Semester		Eighth Semester	
	Art 201	1	Art 400	3
			Upper Level Specialty	3
	Art 434	3	Upper Level Specialty	3
	Upper Level Specialty	3	Upper Level Specialty	3
	Upper Level Specialty	3	ART 201	1
	Upper Level Specialty	3		
	13		13	

<b>^ CURRICULUM SUMMARY FOR            BACHELOR OF ARTS DEGREE IN ART            (PROFESSIONAL CERTIFICATION TRACK)            TOTAL CREDITS REQUIRED: 127</b>		
<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (ART)</b>	<b>OTHER REQUIREMENTS</b>
<b>45 credits</b>	<b>55 credits</b>	<b>33 credits^^</b>
ENG 131 (3)**	ART 132 (3)	Enroll in
ENG 132 (3)	ART 133 (3)	the College of Education
SC 135 or 136 (3)	ART 134 (3)	certification program
MATH 133 (3)	ART 135 (3)	and Art Studies courses
BIOL 143 (4)or	ART 137 or Art 139 (3)	<b>Certification</b>
PHYS 101 (4)	ART 201 (4) @ "1" plus 4 @ "0"^	EDCI 210 (3)
CHEM 111, 131 (4) or GEOL 141 (4)	ART 231 (3)	EDCI 310 (3)
Eng 239 or 231 (3)	ART 232 (3)	EDCI 328 (3)
ART 131 (3)	ART 235 (3)	EDCI 339 (3)
HIST 231 (3)	ART 236 (3)	EDCI 350 (3)
HIST 232 (3)	ART 237 (3)	RDG 400 (3)
POLS 231 (3)	ART 321 (3)	EDCI 468 (6)
POLS 232 (3)	ART 335 (3)	<b>Art Studies/Certification</b>
Social & Behavioral Sciences (3)***	ART 337 (3)	ART 370 (3)
ART 233 (3)****	ART 400 (3)	ART 339
FS101 Freshmen Seminar (1)	ART 434 (3)	ART 401 (3)
	<b>plus</b>	
	3-credit courses below:	
	ART 137 or 139	
	3-credit courses below	
	ART 331 or ART 436	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* **ART 131 meets Visual & Performing Arts requirement.**

\*\*\*\* **Social and Behavioral Sciences electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, and ECON 232.**

\*\*\*\*\* ART 233 Intro to Computer Generated Art and Design substitutes for CS 116 as the core computer requirement.

^ In order to earn 4 credits in ART 201, students must enroll in four times for 1 credit. In addition, it should be enrolled in four times for 0 credit and pass/fail grades only. Thus, ART 201 should be taken each semester for 8 semesters.

^^33 hours are required for professional certification in all level art education. Students must earn grades of "c" or higher in all courses, including the Core Curriculum.

**College of Liberal Arts and Behavioral Sciences  
Texas Southern University  
Bachelor of Arts in Art  
Teacher Certification Track  
(All level)**

**Four Year Degree Plan - Total Credits: 133**

<b>First Year</b>	<b>First Semester</b>		<b>Second Semester</b>	
	Art 131	3	Art 132	3
	Art 133	3	Art 134	3
	Art 135	3	Art 139 or 137	3
	Art 201	0	Art 201	0
	Eng 131	3	Eng 132	3
	Math 133	3	SC 135 or 136	3
	FS 101 Freshmen Seminar	1		
	16		15	

<b>Second Year</b>	<b>Third Semester</b>		<b>Fourth Semester</b>	
	Art 231	3	Art 232	3
	Art 233	3	Art 236	3
	Biol 143 + lab or Phys 101 + lab	4	Art 201	0
	Art 201	1	Hist 232	3
	Art 235	3	Chem + lab or Geol + lab	4
	Hist 231	3	Soc, Psy or Econ	3
	16		16	

<b>Third Year</b>	<b>Fifth Semester</b>		<b>Sixth Semester</b>	
	Eng 230 or 231	3	Art 331 or 436	3
	Art 237	3	Art 339	3
	Art 321	3	Art 434	3
	Art 201	1	Art 335	3
	Art 370	3	Art 201	1
	Pol. Sci 231	3	Pol. Sci 232	3
	16		16	

<b>Fourth Year</b>	<b>Seventh Semester</b>		<b>Eighth Semester</b>	
	EDCI 210	3	Art 400	3
	Art 337	3	EDCI 310	3
	Art 137 or 139	3	EDCI 328	3
	Art 401	3	EDCI 339	3
	Reading 400	3	EDCI 350	3
	Art 201	1	Art 201	1
	16		16	

<b>Fifth Year</b>	<b>Ninth semester</b>			
	EDCI 438			6

<b>Minor in Art</b>	
<b>Required (13hrs.)</b>	<b>Upper Level Elective (9hrs.)</b>
Art 131 Drawing (3)	Choice of Art
Art 133 Design (3)	Art 339, 370, 371, 331, 337, 436
Art 201 Seminar (1)	
Art History Choice (3)	
<b>135, 137, 139, 235, 236)</b>	
ART 231 (3)	

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN THEATRE  
(WITH MINOR)  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (THEATRE)</b>	<b>MINOR REQUIREMENTS</b>	<b>OTHER REQUIREMENTS</b>
<b>45 credits</b>	<b>49 credits</b>	<b>21 credits</b>	<b>6 credits</b>
ENG 131 (3)**	THC 111 (1)	Contact Department of.	Foreign Language (6)
ENG 132 (3)	THC 130 (3)	choice after being admitted	
SC 135 or 136 (3)	THC 151 (3)	as a Theatre Major and	
MATH 133 (3)	THC 231 (3)	After being advised by the major advisor	
BIOL 143 or PHYS 141 (4)	THC 240 (3)		
CHEM 111 and 131 (4)	THC 251 (3)		
ENG 2xx (3)	THC 252 (3)		
ART 131 (3)***	THC 332 (3)		
HIST 231 (3)	THC 334 (3)		
HIST 232 (3)	THC 335 (3)		
POLS 231 (3)	THC 337 (3)		
POLS 232 (3)	THC 338 (3)		
Social & Behavioral Sciences	THC 339 (3)		
Sciences (3)***	THC 438 (3)		
CS 116 (3)	THC 498 (3)		
FS 101 Freshmen Seminar (1)	THC 499 (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* **ART 131 meets Visual & Performing Arts requirement.**

\*\*\*\***Social and Behavioral Sciences electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, and ECON 232.**

**College of Liberal Arts and Behavioral Science**  
**Texas Southern University**  
**Bachelor of Arts in Theatre**  
**(With Minor)**

**Four Year Degree Plan - Total Credits: 124**

First Year	First Semester		Second Semester	
	FS 102	1	THC 111 – Prod Practicum	1
	THC 111 – Prod Practicum	1	CS 116	3
	THC 130 – Intro to Theatre	3	ENG 132	3
	THC 151 – Basic Technical	3	PSY 131 or SOC 157	3
	ENG 131	3	SC 135 OR 136	3
	Math 133	3	Art 131	3
	14		16	

Summer I		Summer II	
CHEM 131	4	Summer II	4
	4	BIO 143 or PHYS 141	4

Second Year	Third Semester		Fourth Semester	
	THC 111 – Prod Practicum	1	THC 111 – Prod Practicum	1
	THC 231 – Elements of Acting	3	THC 252 – Stage Lighting	3
	THC 251 – Scene Design	3	ENG 2xx	3
	HIST 231	3	HIST 232	3
	Minor	3	Minor	3
	13		14	

Summer I	Summer I		Summer II	
	POL 231	3	POL 232	3
	3		3	

Third Year	Fifth Semester		Sixth Semester	
	THC 240 – Oral Interpretation	3	THC 332 – Playwriting	3
	THC 337 – History of Theatre I	3	THC 338 – History of Theatre II	3
			THC 334 – Play Directing	3
	THC 436 History of Costumes	3		
	Foreign Language	3	Foreign Language	3
	Minor	3	Minor	3
	15		15	

Fourth Year	Seventh Semester		Eighth Semester	
	THC 498 – Internship	3	THC 499 – Senior Project	3
	THC 339 – African American Theatre	3	THC 451 – Advanced Design & Tech	3
	THC 335 – Stage Makeup	3	THC 438 – Modern Drama	3
	Minor	3	Minor	3
	Minor	3		
	15		12	

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN THEATRE  
(WITH SPECIALTY - TECHNICAL)  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (THEATRE)</b>	<b>SPECIALTY REQUIREMENTS</b>	<b>OTHER REQUIREMENTS</b>
<b>45 credits</b>	<b>49 credits</b>	<b>21 credits</b>	<b>6 credits</b>
ENG 131 (3)**	THC 111 (4) @ "1" per semester	<b>Technical Theatre</b>	Foreign Language (3)
ENG 132 (3)	THC 130 (3)	THC 132 (3)	Foreign Language (3)
SC 135 or 136 (3)	THC 151 (3)	THC 231 (3)	
MATH 133 (3)	THC 231 (3)	THC 436 (3)	
BIOL 143+lab or PHYS 101+lab (4)	THC 240 (3)	THC 451 (3)	
CHEM 111+lab or Geol 141+lab (4)	THC 251 (3)	Approved elective (3)***	
ENG 2xx (3)	THC 252 (3)	Approved elective (3)***	
ART 131 (3)	THC 332 (3)	Approved elective (3)***	
HIST 231 (3)	THC 334 (3)		
HIST 232 (3)	THC 335 (3)		
POLS 231 (3)	THC 337 (3)		
POLS 232 (3)	THC 338 (3)		
Social & Behavioral Sciences (3) ***	THC 339 (3)		
	THC 438 (3)		
CS 116 (3)	THC 498 (3)		
FS 101 Freshmen Seminar (1)	THC 499 (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* **ART 131 meets Visual & Performing Arts requirement.**

\*\*\*\***Social and Behavioral Sciences electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, and ECON 232.**

. Theatre electives include: THC 225, THC 331, THC 430, THC 450, THC 457 and ART 231.



**College of Liberal Arts and Behavioral Sciences  
Texas Southern University  
Bachelor of Arts in Theatre  
(With Specialty - Technical)**

**Four Year Degree Plan - Total Credits: 121**

First Year	First Semester		Second Semester	
	FS 102	1	THC 111 – Prod Practicum	1
	THC 111 - Prod Practicum	1	CS 116	3
	THC 130 - Intro to Theatre	3	Eng 132	3
	THC 151 – Basic Technical	3	PSY 131 or SOC 157	3
	ENG 131	3	SC 135 or 136	3
	MATH 133	3	Art 131	3
		14		16

Summer I		Summer II	
CHEM 131	4	Summer II	4
	4	BIO 143 or PHYS 141	4

Second Year	Third Semester		Fourth Semester	
	THC 111 - Prod Practicum	1	THC 111 - Prod Practicum	1
	THC 231 – Elements of Acting	3	THC 252 Stage Lighting	3
	THC 251 – Scene Design	3	ENG 2xx	3
	THC 132-	3	THC 152	3
	HIST 231	3	HIST 232	3
	14		14	

Summer I	Summer I		Summer II	
	POL 231	3	POL 232	3
		3		3

Third Year	Fifth Semester		Sixth Semester	
	THC 240 – Oral Interpretation	3	THC 332 - Playwriting	3
	THC 337 History of Theatre I	3	THC 338 – History of Theatre II	3
	THC 436 History of Costumes	3	THC 334 Play Directing	3
	THC 232	3	Approved Elective	3
	Foreign Language	3	Foreign Language	3
		15		15

Fourth Year	Seventh Semester		Eighth Semester	
	THC 498 - Internship	3	THC 499 – Senior Project	3
	THC 339 – African American Theatre	3	THC 451 – Advanced Design & Tech	3
	THC 335 – Stage Makeup	3	THC 438 – Modern Drama	3
	Approved Elective	3	Approved Elective	3
	12		12	

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN THEATRE  
(WITH SPECIALTY - PERFORMANCE)  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (THEATRE)</b>	<b>SPECIALTY REQUIREMENTS</b>	<b>OTHER REQUIREMENTS</b>
<b>45 credits</b>	<b>49 credits</b>	<b>21 credits</b>	<b>6 credits</b>
ENG 131 (3)**	THC 111 (1)	<b>PERFORMANCE</b>	Foreign Language (3)
ENG 132 (3)	THC 130 (3)	SC 140 (3)	Foreign Language (3)
SC 135 or 136 (3)	THC 151 (3)	THC 331 (3)	
MATH 133 (3)	THC 231 (3)	THC 431 (3)	
BIOL 143 or PHYS 141 (4)	THC 240 (3)	PE 108 or 110	
CHEM 111 and 131 (4)	THC 251 (3)	MUSI 173 (1)	
ENG 2xx (3)	THC 252 (3)	MUSI 174 (1)	
ART 131 (3)	THC 332 (3)	Approved elective (3)***	
HIST 231 (3)	THC 334 (3)	Approved elective (3)***	
HIST 232 (3)	THC 335 (3)	Approved elective (3)***	
POLS 231 (3)	THC 337 (3)		
POLS 232 (3)	THC 338 (3)		
Social & Behavioral Sciences	THC 339 (3)		
Sciences (3)***	THC 438 (3)		
CS 116 (3)	THC 498 (3)		
FS 101 Freshmen Seminar (1)	THC 499 (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* **ART 131 meets Visual & Performing Arts requirement.**

\*\*\*\***Social and Behavioral Sciences electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, and ECON 232.**

Theatre electives include: THC 225, THC 430, THC 436, THC 450 and THC 457 and THC 485 and MUSI UC, MUSI OW, and MUSI VJE.

**College of Liberal Arts and Behavioral Science**  
**Texas Southern University**  
**Bachelor of Arts in Theatre**  
**(With Specialty - Performance)**  
**Four Year Degree Plan - Total Credits: 121**

First Year	First Semester		Second Semester	
	FS 102 Freshman Seminar	1	THC 111 Prod Practicum	1
	THC 111 Prod Practicum	1	CS 116	3
	THC 130 Intro to Theatre	3	ENG 132	3
	THC 151 Basic Technical	3	PSY 131 or SOC 157	3
	ENG 131	3	SC 135 or 36	3
	MATH 133	3		
	14		13	

	Summer I		Summer II	
	CHEM 131	4	BIO 143 OR PHY 141	4
		4		4

Second Year	Third Semester		Fourth Semester	
	ThC 111 Prod Practicum	1	THC 111 Prod Practicum	1
	THC 231 Elements of Acting	3	THC 252 Stage Lighting	3
	THC 251 Scene Design	3	SC 140 Voice and Diction	3
	ART 131	3	ENG 2xx	3
	HIST 231	3	HIST 232	3
	MUSI 173 Voice I	1	MUSI 174 Voice II	1
	14		14	

	Summer I		Summer II	
	POLS 231	3	POLS 232	3
		3		3

Third Year	Fifth Semester		Sixth Semester	
	THC 240 Oral Interpretation	3	THC 332 Playwriting	3
	THC 337 History of Theatre I	3	THC 338 History of Theatre II	3
	THC 331 Intermediate Acting	3	THC 334 Play Directing	3
	Foreign Language	3	Foreign Language	3
	Approved Elective	3	PE 108 or 110	1
	15		13	

Fourth Year	Seventh Semester		Eighth Semester	
	THC 498 Internship	3	THC 499 Senior Project	3
	THC 339 African American Theatre	3	THC 431 Styles of Acting	3
	THC 335 Stage Makeup	3	THC 438 Modern Drama	3
	Approved Elective	3	Approved Elective	3
	12		12	

<b>Minor in Theater</b>	
<b>Required 15 credits</b>	<b>Upper Level Elective 6 credits</b>
THC130	THC 331
THC 151	THC 332
<b>THC 231</b>	THC 3334
THC 337 or 338	THC 337
THC 491 or 492	THC 338
	THC 339
	THC 430
	THC 431
	THC 436
	THC 438
	THC 457

<b>Minor in Visual and Performing Arts</b>	
<b>Required 21 credits</b>	<b>Upper Level Elective 3 credits</b>
ART 201 (0)	ART 339 or THC 331
University Player – 1 production (8)	ART 370 or THC 332
<b>ART 135, ART 137, 235, 236 (3)</b>	ART 331 or THC 334
ART 131 (3)	ART 337 or THC 337
ART 133 (3)	ART 436 or THC 338
THC 130 (3)	
THC 231 (3)	
THC 337, 338 or 438 (3)	



## BARBARA JORDAN - MICKEY LELAND SCHOOL OF PUBLIC AFFAIRS

### OVERVIEW

An extensive set of curricular offerings is provided through the Barbara Jordan-Mickey Leland School of Public Affairs (BJ-ML SPA) that includes undergraduate courses in Administration of Justice (AJ), Political Science (POLS), Public Affairs (PA), and Military Science (MSCI); through which three undergraduate **degrees can be earned (Bachelor Science in Administration of Justice, Bachelor of Arts in Political Science and Bachelor of Science in Public Affairs. At the graduate level, degrees are offered as follows: Master of Administration of Justice, Master of Public Administration, Master of Urban Planning and Environmental Policy, Doctor of Philosophy in Administration of Justice and Doctor of Philosophy in Urban Planning and Environmental Policy. In addition to course and degree offerings, students with majors in other departments may declare minors in the four undergraduate disciplines offered through this school: Administration of Justice, Political Science, Public Affairs, and Military Science.** Faculty and staff are housed on the fourth floor of the BJ-ML School of Public Affairs/College of Liberal Arts and Behavioral Science Building.

The Barbara Jordan – Mickey Leland School of Public Affairs occupies a 4-story facility with “smart” classrooms and the latest in multimedia technology. This first-class facility houses a state of the art Survey Research Laboratory, a modern day Crime Laboratory, a Government Decision making Laboratory (which will be used for legislative and judicial simulations), a cutting edge Geographic Information System (GIS) Laboratory that will provide 3D modeling resources, and a Site Design Laboratory. The facility also houses the Barbara Jordan Institute, a public policy institute dedicated to finding policy solutions to the many challenges facing urban communities at the local, regional, national and global level, and to advancing civic engagement.

**Referral should be made to the Graduate School Bulletin of Texas Southern University for detailed information on the School's graduate degree programs.** A summary of the degrees and programs, by name, appears in the chart below:

Programs	Degrees
<b>Administration of Justice</b>	Bachelor of Science in Administration of Justice Master of Science in Administration of Justice Doctor of Philosophy in Administration of Justice
<b>Political Science</b>	Bachelor of Arts in Political Science
<b>Public Affairs</b>	Bachelor of Science in Public Affairs
<b>Public Administration</b>	Master of Public Administration
<b>Urban Planning and Environmental Policy</b>	Master of Urban Planning and Environmental Policy Doctor of Philosophy in Urban Planning and Environmental Policy

The School is administratively organized with a Dean who is assisted by an Associate Dean for Academic Affairs and support staff. Administrative offices are located on the fourth floor of the BJ-ML School of Public Affairs/College of Liberal Arts and Behavioral Science Building.

### MISSION STATEMENT

The mission of the Barbara Jordan – Mickey Leland School of Public Affairs is to serve as an urban focused community of learning dedicated to educating professionals who will plan and administer environmentally healthy and sustainable communities at the local, state, national and international levels of society.

Students in the Barbara Jordan-Mickey Leland School of Public Affairs who successfully complete their degree programs become well versed in the theories, concepts, and practical procedures of the challenging world of public policy making and administration of justice. Their majors help prepare them for effective participation in government, non-governmental organizations, and private sector careers. An excellent background is also provided for students interested in pursuing careers in the legal profession as well as in a wide variety of graduate and professional school programs.

## GENERAL SCHOOL POLICIES

Students wishing to pursue one of the three undergraduate degrees offered through the School must first gain admission to the University, must satisfy all university application requirements, and must petition the School for admission. In petitioning, students must have an earned overall GPA of 2.00 or better and have completed the following four courses with grades of “C” or better (grades of “C-” are unacceptable): POLS 231 (American Political Systems 1), POLS 232 (American Political Systems 11), ENG 131 (Freshman English 1), and ENG 132 (Freshman English 11). Once admitted to the School, students are each assigned an official advisor who must approve all class schedules. Students must keep the School Office informed of current addresses and telephone numbers up to graduation. Students must also retain a minimum overall GPA of 2.00 and fulfill all prerequisites for required courses prior to scheduling them to remain in good standing in the School. Students failing to meet prerequisites for courses will be withdrawn, administratively, from them. Students are also cautioned that transfer credits will be accepted for required courses only if grades of “C” or better have been earned (grades of “C-” are unacceptable).

## GOOD ACADEMIC STANDING

Good academic standing constitutes maintaining a minimum cumulative grade point average (GPA) set by the University as referenced under the academic regulations described in chapter two of this document.

## ADVISING

All students are assigned an academic advisor who will assist them with academic planning and learning about career options that relate to their programs. During each registration period, students and their advisors select courses consistent with the overall degree objectives. With their advisors, students learn to explore academic interests, to recognize academic strengths, and to identify resources to address weaknesses.

## STUDENT SUPPORT SERVICES

The Office of Student Support Services is available to all students to help with questions about admissions, academic majors and minors, course requirements, career and degree plans, and other student related matters. It is to assist students with identifying faculty advisors and mentors. This office also refers students to other campus offices for assistance in academic, personal, and career counseling initiatives; academic skill development and financial aid.

## STUDENT ORGANIZATIONS

Student organizations are an integral part of student life at Texas Southern University. Four program-related student organizations operate in the Barbara Jordan-Mickey Leland School of Public Affairs at the undergraduate level. Two are open to all students in the School. They are the Administration of Justice Club and the Political Science Club. The other two are national honor societies: Alpha Phi Sigma – the Criminal Justice Honor Society and Pi Sigma Alpha – the National Political Science Honor Society.

## ACCREDITATION

All programs in the Barbara Jordan-Mickey Leland School of Public Affairs are accredited by Commission on College of the Southern Association of Colleges and Schools.

## RIGHT TO MODIFY

**The University reserves the right to change, without prior notice, any policy or procedure, tuition or fee, curricular requirements, or any other information found in this bulletin. The information contained in this bulletin is considered to be descriptive in nature and not contractual. It is recommended that students, faculty, and staff refer to the most current academic policies and procedures.**

## DESCRIPTION OF PROGRAMS IN THE SCHOOL

The Barbara Jordan – Mickey Leland School of Public Affairs, named for two of Houston’s most distinguished public servants, is an outstanding undergraduate program at one of the nation’s largest Historically Black Colleges and Universities. The unique urban mission of Texas Southern University and its location in the heart of Houston make it the perfect vantage point to develop a foundation of academic status. The University is located in the city’s historic Third Ward and the entire metropolitan region offer an unparalleled urban laboratory for students to learn.

The facility also houses the Barbara Jordan Institute, a public policy institute dedicated to finding policy solutions to the many challenges facing urban communities at the local, regional, national and global level, and to advancing civic engagement

The Barbara Jordan – Mickey Leland School of Public Affairs has a reputation as a comprehensive center for sound academic research. Scholars focus on a broad range of topics, including voting behavior, American foreign policy and international relations, African-American politics, race and politics, religion and politics, criminal justice attitudes and behavior, police violence, environmental justice, race and crime, race and governance, policy studies, leadership, E-government, homeland security, urban transportation, housing and community development, Diaspora studies, environmental planning, economic development and the fiscal responsibility of urban governments.

The Barbara Jordan – Mickey Leland School of Public Affairs has established strategic partnerships with numerous public and private sector entities. These partnerships offer our students unique opportunities to gain hands-on skills and establish contacts and references for the future.

Requirements for the B.S. in Administration of Justice, the B.S. in Public Affairs, and the B.A. in Political Science are specified, in detail, below within the department descriptions. **As first-time degree seekers, students are required to declare a minor in a second academic discipline either through the Department or through another department for graduation. Grades of “C” or better (grades of “C-” are unacceptable) must be earned in all major and minor courses required for graduation. Additionally, in selecting minors, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum for the degree of choice could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed.** At the beginning of the senior year, majors should have their overall transcripts and records evaluated by the Faculty Chair to verify their status with regard to graduation. **An exit examination is required of all graduating seniors.**



**LISTING OF FACULTY IN THE SCHOOL**

<p><b>Adams, Michael O.</b>  <b>Professor &amp; Program Director – Political Science</b>                      B.A., Tougaloo College                      M.A., Ph.D., Atlanta University</p>	<p><b>Ibitayo, Olurominiyi</b>  <b>Associate Professor – Urban Planning &amp; Environmental Policy</b>                      B.S., University of Ibadan                      M.S., Colorado State University                      M.S., Ph.D., Arizona State University</p>
<p><b>Baker, David</b>  <b>Associate Professor – Administration of Justice</b>                      B.A., M.A., Ph.D., York University</p>	<p><b>Johnson, Marva</b>  <b>Assistant Professor – Political Science</b>                      B.A., Tougaloo College                      MA., Atlanta University</p>
<p><b>Barrington, Eugene</b>  <b>Associate Professor – Political Science</b>                      M.Ed., Rutgers University                      M.Ph.D., Syracuse University</p>	<p><b>Jones, Franklin</b>  <b>Professor &amp; Department Chair – Political Science</b>                      BA. Southern University, 1968                      M.A. Atlanta University, 1973                      Ph.D. Atlanta University, 1980</p>
<p><b>Bullard, Robert D.</b>  <b>Professor &amp; Dean</b>                      B.S., Alabama A&amp;M University                      M.A., Atlanta University                      Ph.D., Iowa State University</p>	<p><b>Kalunta-Crumpton, Anita</b>  <b>Professor – Administration of Justice</b>                      B.S., University of Nigeria                      M.S., University of Calabar, Nigeria                      Ph.D., Brunel, The University of West London, United Kingdom</p>
<p><b>Callaghan, Karen</b>  <b>Associate Professor – Political Science</b>                      M.A., Ph.D., SUNY at Stony Brook</p>	<p><b>Kellum, Sharlette</b>  <b>Assistant Professor – Administration of Justice</b>                      B.A., Prairie View A&amp;M University                      M.A., Texas Southern University                      Ph.D., Prairie View A&amp;M University</p>
<p><b>Chandrasekhar, Divya</b>  <b>Assistant Professor – Urban Planning &amp; Environmental Policy</b>                      M.S., University of Illinois at Urbana-Champaign                      Ph.D., University of Illinois at Urbana-Champaign</p>	<p><b>Mangum, Maruice</b>  <b>Int. Assoc. Dean, Associate Professor – Political Science</b>                      B.A., - University of Iowa, 1992,                      M.A., - Ohio State University, 1993,                      Ph.D., - Louisiana State University 1998</p>
<p><b>Christophe, Antoinette</b>  <b>Assistant Professor – Political Science</b>                      B.S. Southern University, 1972                      M.S. Southern University, 1995                      M.S. Louisiana State University, 1999                      Ph.D. Southern University, 2009</p>	<p><b>McCoy, Walter</b>  <b>Professor – Urban Planning &amp; Environmental Policy</b>                      B.A., Huston-Tillotson College                      M.P.A., M.U.R.P., Ph.D., University of Pittsburgh                      J.D., South Texas College of Law</p>
<p><b>Frimpong, Agyemang</b>  <b>Assistant Professor– Political Science</b>                      B.S. Kwame University of Science and Technology, Kumasi, Ghana, 1999                      M.S. The Royal Institute of Technology (KTH), Stockholm, Sweden, 2002                      M.A. The University of Akron, 2007                      Ph.D. The University of Akron, 2010</p>	<p><b>Mupier, Robert M.</b>  <b>Associate Professor – Administration of Justice</b>                      B.B.A., University of Kinshasa                      M.B.A., Western Illinois University                      D.A., Illinois</p>
<p><b>Georges-Abeyie, Daniel E.</b>  <b>Professor – Administration of Justice</b>                      B.A., Hope College                      M.A., University of Connecticut                      Ph.D., Syracuse University</p>	<p><b>Mwamba, Zuberi</b>  <b>Professor – Political Science</b>                      B.A., University of Wisconsin                      M.A., University of Pittsburgh                      Ph.D., Howard University</p>
<p><b>Herrington, Theophilus</b>  <b>Associate Professor – Political Science</b>                      B.A., Fort valley State University                      MA., Ph.D., University of Illinois at Champaign-Urbaba</p>	

<p><b>Nayer, Gautam</b>  <b>Assistant Professor – Administration of Justice</b>  B.A., American University  M.P.A., University of North Carolina at Pembroke  Ph.D., Rutgers University</p>	<p><b>Robinson, Carroll G.</b>  <b>Associate Professor – Political Science</b>  J.D., George Washington University  B.A., Stockton State College</p>
<p><b>Olonilua, Ponnile</b>  <b>Assistant Professor – Political Science</b>  B.A., Obafemi Awolowo University, Ile-Ife, Nigeria  M.P.A., Ph.D., Texas Southern University</p>	<p><b>Sen, Lalita</b>  <b>Professor – Urban Planning &amp; Environmental Policy</b>  B.S., University College Swansen, University of Wales  M.S., Ph.D., Northwestern University</p>
<p><b>Onwujiwe, Ihekwoaba</b>  <b>Professor &amp; Department Chair – Administration of Justice</b>  B.A., Central State University  M.S., Florida State University  Ph.D., Florida State University</p>	<p><b>Smith, Sheri</b>  <b>Associate Professor – Urban Planning &amp; Environmental Policy</b>  B.S., George Washington University  M.S., University of Illinois at Champaign Urbana  Ph.D., Texas A &amp; M University</p>
<p><b>Opolot, James S. E.</b>  <b>Professor – Administration of Justice</b>  B.A., M.A., Ph.D., Southern Illinois University</p>	<p><b>Solitare, Laura</b>  <b>Associate Professor – Urban Planning &amp; Environmental Policy</b>  PhD, Rutgers University  MURP, Virginia Commonwealth University  BS, University of Connecticut</p>
<p><b>Pan, Qisheng</b>  <b>Professor &amp; Department Chair – Urban Planning &amp; Environmental Policy</b>  B.S., Peking University  M.S., Peking University  M.S., University of Southern California  Ph.D., University of Southern California</p>	<p><b>Tachia, Hon Richard</b>  <b>Associate Professor – Administration of Justice</b>  B.S., University of Nigeria, Nsukka  M.S., Iowa State University  Ph.D., Oklahoma State University</p>
<p><b>Perez-Feliciano, Luis</b>  <b>Associate Professor – Political Science</b>  B.A., Florida International University  M.A., Ph.D., Fordham University</p>	<p><b>Taylor-Greene, Helen</b>  <b>Professor – Administration of Justice</b>  B.S., Howard University  M.S., The American University  M.A., Ph.D., University of Maryland</p>
<p><b>Price, Byron E.</b>  <b>Associate Professor – Political Science</b>  B.S. - Texas Southern University, 1988  M.B.A. - Oklahoma City University, 1991  M.P.A. - Texas Southern University, 1993  Ph.D. - Mississippi State University, 2002</p>	<p><b>Woods, Don Anthony</b>  <b>Professor – Political Science</b>  B.S., M.A., Tennessee State University  Ph.D., University of Pittsburgh</p>

## DEPARTMENT OF POLITICAL SCIENCE

The Department of Political Science offers courses in Political Science (POLS) and Public Affairs (PA), as well as two undergraduate degrees, the Bachelor of Arts (B.A.) in Political Science and the Bachelor of Science (B.S.) in Public Affairs, and one graduate degree, the Master of Public Administration (for information on the MPA refer to the graduate school bulletin). In addition to these courses, the department offers six (6) semester credit hours of American and Texas government that are required of all students by the university. Offices of faculty members are located on the fourth floor of the Mickey Leland/Barbara Jordan School of Public Affairs Building.

The mission of the department is essentially twofold: (1) to develop general competencies in students that will allow them to continue their education in either graduate or professional schools upon completion of their undergraduate studies; and (2) to prepare students for entry-level professional public service positions. Three objectives are prominent in the realization of this mission: (1) to provide students with essential knowledge and understanding of the dynamics related to the Texas, national, and international political systems and their relationships to these systems; (2) to provide students with an in-depth understanding of the American political system; and (3) to develop problem solving skills and competencies in students that will translate to various work settings.

The Bachelor of Arts in Political Science degree prepares students for careers in various aspects of public service, law, business, journalism, politics, public policy analysis, and education. They learn how to evaluate individual and group behavior in political systems. Political Science courses are designed to stimulate students to be better citizens through an understanding of the working of the American and other political systems.

Requirements for the B.S. in Public Affairs and the B.A. in Political Science are specified, in detail, below. **As first-time degree seekers, students are required to declare a minor in a second academic discipline either through the Department or through another department for graduation. Grades of "C" or better (grades of "C-" are unacceptable) must be earned in all major and minor courses required for graduation. Additionally, in selecting minors, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum for the degree of choice could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed.** At the beginning of the senior year, majors should have their overall transcripts and records evaluated by the Faculty Chair to verify their status with regard to graduation. **An exit examination is required of all graduating seniors.**

**Students wishing to pursue one of the two undergraduate degrees offered through the Department must first gain admission to the University, and must petition the Department for admission. In petitioning, students must have an earned overall GPA of 2.00 or better and have completed the following courses with grades of "C" or better (grades of "C-" are unacceptable): POLS 231 (American Political Systems I), POLS 232 (American Political Systems II), ENG 131 (Freshman English I), and ENG 132 (Freshman English II). In those instances where a student has an exemplary record and may not have met all of the requirements he/she can make a special appeal to the Department for admission. Once admitted to the Department for admission, students are each assigned an official advisor who must approve all class schedules; and they must keep the Department informed of current addresses and telephone numbers up to graduation. Students must also retain a minimum overall GPA of 2.00 and fulfill all prerequisites for required courses prior to scheduling them to remain in good standing in the Department. Students failing to meet prerequisites for courses will be withdrawn, administratively, from them. Students are also cautioned that transfer credits will be accepted for either elective or required courses only if grades of "C" or better have been earned (grades of "C-" are unacceptable).**

**For a minor in Political Science, twenty-one (21) semester credit hours are required.** Students pursuing this minor must first complete POLS 231 and POLS 232 with grades of "C" or better (grades of "C-" are unacceptable) before enrolling in the following courses: (3 semester credit hours each): POLS 330, POLS 340, POLS 410, POLS 413, POLS 390 or POLS 391. Six (6) elective credits in POLS (two additional courses of 3 credits each) must also be earned.

**For a minor in Public Affairs, twenty-one (21) semester credit hours are required** through enrollment in the following courses (3 semester credit hours each): PA 271, PA 301, PA 311, PA 312, PA 313, PA 321, and PA 400. Students seeking the Public Affairs minor who have taken a research methods course in their major area may be eligible for an approved substitution in the listing with the consent of the Faculty Chair.

## POLITICAL SCIENCE COURSES

- POLS 231**                    **American Political Systems I**                    (3)  
Study of the national, state, and local government, including principles of American government, constitutions, public opinion, socialization, interest groups, political parties, and elections. Not counted toward major or minor in Political Science. Three hours of lecture per week. **Listed as GOVT 2301 in the Texas Common Course Numbering System.**
- POLS 232**                    **American Political Systems II**                    (3)  
Continuation of national, state, and local government, including the legislative, executive, and judicial branches; American foreign policy; rights of the individual. Not counted toward major or minor in Political Science. Three hours of lecture per week. **Listed as GOVT 2302 in the Texas Common Course Numbering System.**
- POLS 250**                    **Introduction to Political Science**                    (3)  
Introduction to the history, scope, methods, and approaches to the study of political science and politics. Prerequisites: POLS 231 and POLS 232. Required of majors. Three hours of lecture per week.
- POLS 310**                    **Legislative Process**                    (3)  
Structure of the powers and roles of legislatures and legislators, legislative structure, decision making, internal and external pressure upon legislators. Special attention given to the United States Congress. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 311**                    **Judicial Process**                    (3)  
Structure, function, and process of the American court systems and related institutions; factors influencing judicial decision-making. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 330**                    **Comparative Government**                    (3)  
Introduction to the methods and scope of comparative government; analysis of the institutions and cultures that impact selected governments. Required of majors. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 340**                    **International Relations**                    (3)  
Survey of the major approaches and principles of international relations that affect the members of the international community. Required of majors. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 341**                    **International Organizations**                    (3)  
Study of international organizations along with their roles, functions, and objectives in the international community. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 360**                    **Political Systems of Africa**                    (3)  
Study of Modern Africa from World War I, including the different European policies, growth of nationalism, movements to independence, white supremacist bloc, and Africa today. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 361**                    **Political Issues in Africa Today**                    (3)  
Study of contemporary events in Africa since the end of World War II, including the growth of nationalism to independence, modernization, economic development, and the emergence of new political systems. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 380**                    **Political Systems of Latin America**                    (3)  
Study of the political and economic development of selected Latin American countries with emphasis on the period since World War I. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.

- POLS 381**                      **Dynamics of Latin America**                      (3)  
 Study of the major problems of Latin America: democratic government, urbanization, and economic development. Individual countries may be studied. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 390**                      **Development of Political Thought: Classical and Medieval Theory**                      (3)  
 Political philosophy of early Greek, Roman, and medieval European thinkers. Special concentration on the major political works of Plato and Aristotle. Required of majors. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 391**                      **Modern Political Theory**                      (3)  
 Political philosophy from the Italian city-state to the twentieth century. Special emphasis on Machiavelli, the Social Contract School, and Marx. Required of majors. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 392**                      **American Political Thought**                      (3)  
 Study of the development of political thought in the United States from the seventeenth century to the present. Emphasis placed on the historical context in which political thought and movements developed. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 393**                      **African American Political Thought**                      (3)  
 Analysis of ideas, personalities, relevant ideologies and categories, and the role of theory in African American political thought.
- POLS 401**                      **Executive Process**                      (3)  
 The political dynamics of chief executives and their relationship to the competitive branches and units of government within the American political system. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 403**                      **Policy Formulation and Decision Making**                      (3)  
 An examination of the forces and constraints involved in making and implementing public policy. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 410**                      **Politics in Black America**                      (3)  
 The study of Blacks' efforts to participate in the American political system; government and societal responses; present status of Blacks in the political system. Required of majors. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 411**                      **American Political Parties**                      (3)  
 The study of the American party system, including the functions, activities, development, structure, and organization of political parties. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 412**                      **Civil Rights and Political Judiciary Processes**                      (3)  
 A study of civil rights and how they have been impacted by the constitutional process of checks and balances; civil rights in party politics; civil rights as seen by American minorities. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 413**                      **Constitutional Law**                      (3)  
 The development and application of American constitutional law as interpreted by Supreme Court decisions on selected topics, cases, and recent trends. Required of majors. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 414**                      **American Foreign Policy**                      (3)  
 Factors shaping contemporary American foreign policy; administration and conduct of foreign affairs; the major foreign policy problems; cases in decision making. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.

- POLS 419 Selected Topics in Political Science (3)**  
Analysis of selected areas and problems in political science. Subject matter varies from year to year. Prerequisites: POLS 231 and POLS 232.
- POLS 420 Urban Politics (3)**  
Investigation of urban political systems; politics in America's large cities and their relationship to minorities; analysis of resources, strategies, and tactics in urban areas. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 431 Current International Issues (3)**  
Seminar focusing on a review of events as they occur using topical events reported in the news media. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 440 Seminar on Women's Political Issues (3)**  
Analysis of selected topics relevant to women and politics. Subject matters vary from year to year. Prerequisites: POLS 231 and POLS 232.
- POLS 498 Capstone Seminar in Political Science (3)**  
Directed reading, research, and discussion of different sub-fields in the discipline of Political Science. Includes a significant writing component. Prerequisite: consent of the instructor.

#### PUBLIC AFFAIRS COURSES

- PA 271 Introduction to Public Administration (3)**  
The rise, significance, and role of public administration. Problems of executive leadership, administrative organization, personnel and management, administrative decision-making and adjustment. Three hours of lecture per week.
- PA 301 Research Methods in Public Administration (3)**  
Introduction to applied research methods in public administration with emphasis on descriptive statistical methods as a tool for assisting public managers in decision making. Computer applications included. Three hours of lecture per week. Prerequisite: MATH 133.
- PA 302 Quantitative Methods in Public Administration (3)**  
Continuation of PA 301 introducing probability and inferential statistics as analytical tools useful to public administrators. Students are expected to gain knowledge and experience in the use of packaged statistical software in data analysis. Three hours of lecture per week. Prerequisite: PA 301.
- PA 311 Introduction to Public Sector Planning (3)**  
Introduction to the principles, methods, and techniques of public sector planning. Three hours of lecture per week. Prerequisite: PA 271.
- PA 312 Public Budgeting (3)**  
Introduction to the method and nature of government financing, including a study of public revenues, expenditures, debts, fiscal policies, and certain problems related to government fiscal systems. Three hours of lecture per week. Prerequisite: PA 271.
- PA 313 Organization Behavior and Management (3)**  
Analysis of various theories of human behavior in organizational settings from the disciplines of Political Science, Sociology, Psychology, and Public Administration. Three hours of lecture per week. Prerequisite: PA 271.
- PA 321 Personnel Administration (3)**  
Principles, theories, and methods of human resource management. Particular attention given to personnel policy, procedures, and collective bargaining. Three hours of lecture per week. Prerequisite: PA 313.

- PA 350**                      **Internship (6)**  
 Supervised work experience with various public, private, and governmental agencies. Intern will be jointly supervised by the agency head and appropriate academic advisor. Eighteen hours of laboratory per week. Prerequisites: Senior standing and consent of the appropriate faculty advisor or Faculty Chair.
- PA 400**                      **Program Evaluation**    **(3)**  
 Focuses on evaluation as a management tool to improve public sector program performance and introduces concepts, principles, methods, and practice of program performance evaluation. Three hours of lecture per week. Prerequisites: PA 301 and PA 302.
- PA 401**                      **Policy Process**    **(3)**  
 Examines the role, influence, and interaction of legislatures, executives, bureaucracies, courts, and interest groups. Focuses on policy processes: problem definition, agenda setting, budgeting, authorization, implementation, and oversight. Three hours of lecture per week. Prerequisite: PA 271.
- PA 410**                      **Seminar in Public Affairs**    **(3)**  
 Special topics seminar that provides for the examination of selected public affairs problems and issues. Specific content varies from semester to semester. Three hours of lecture per week. Prerequisite: consent of the instructor.
- PA 461**                      **Supervised Independent Study**    **(6)**  
 Designed to allow students to conduct a scientific inquiry into a problem and present the research finding in a scholarly manner. Prerequisites: Senior standing, overall GPA of 3.30 or better, recommendation from appropriate faculty members and faculty advisor, and approval of the Faculty Chair.

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN  
POLITICAL SCIENCE  
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	MAJOR (POLITICAL SCIENCE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	30 credits	26 credits	21 credits
ENG 131(3)**	POLS 250 (3)	ECON 231 (3)	Contact
ENG 132 (3)	POLS 330 (3)	ECON 232 (3)	department of
SC 135 or 136 (3)	POLS 340 (3)	MATH 134 or 135 (3)	choice after
MATH 133 (3)	POLS 390 or 391 (3)	PA 301 (3)	being admitted
BIOL 143 (4)	POLS 410 (3)	PA 302 (3)	as a major
PHYS 101 or	POLS 413 (3)	PE 1xx (1)	
GEOL 141 (4)	<b>plus</b>	PSY 131 or	
ENG 2xx (3)	12 credits	SOC 158 (3)	
ART 131, MUSI 131, or	selected from	Foreign Language	
THC 130 (3)	the following	or Approved	
HIST 231 (3)	3-credit hour courses:	CS credits (6)	
HIST 232 (3)	POLS 310, POLS 311	FS 102 (1)	
POLS 231 (3)	POLS 341, POLS 360		
POLS 232 (3)	POLS 361, POLS 380		
SOC 157 (3)	POLS 381, POLS 392		
CS 116 (3)	POLS 393, POLS 401		
	POLS 403, POLS 411		
	POLS 412, POLS 414		
	POLS 419, POLS 420		
	POLS 431, POLS 440 POLS 498		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.



**Bachelor of Arts Degree in Political Science**  
**Total Credits: 121**

<b>Freshman</b>	<b>First Semester</b>		<b>Second Semester</b>	
	English 131	3	English 132	3
	Math 133	3	Math 134 or 135	3
	FS 102 Freshman Seminar	1	Sociology 157	3
	History 231	3	History 232	3
	Speech 135 or 136	3	Pol. Sci. 232	3
	Pol. Sci. 231	3	P.E. 102	1
		16 hrs		16hrs

<b>Sophomore</b>	<b>First Semester</b>		<b>Second Semester</b>	
	English (200 level)	3	Computer Sc 116	3
	Biology 143	4	Phys 101 or Geol 141	4
	Aesthetics*	3	Sociology 158 or Psychology 131	3
	For. Lang./Sub	3	For. Lang./Sub	3
	Pol. Sci. 250	3	Pol. Sci. 330	3
	*Art 131 or Mu 131 or THC 130			
	16 hrs		16 hrs	

<b>Junior</b>	<b>First Semester</b>		<b>Second Semester</b>	
	Economics 231	3	Economics 232	3
	PA 301	3	PA 302	3
	Pol. Sci. 340	3	Pol. Sci. Elective	3
	Pol. Sci. 390 or 391	3	Minor	3
	Minor	3	Pol. Sci. Elective	3
	15 hrs		15 hrs	

<b>Senior</b>	<b>First Semester</b>		<b>Second Semester</b>	
	Pol. Sci. 413	3	Pol. Sci. 410	3
	Pol. Sci. Elective	3	Pol. Sci. Elective	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	Minor	3		
	15 hrs		12 hrs	

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN  
PUBLIC AFFAIRS  
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	MAJOR (PUBLIC AFFAIRS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	36 credits***	20 credits	21 credits
ENG 131 (3)**	PA 271 (3)	ECON 231 (3)	Contact
ENG 132 (3)	PA 301 (3)	ECON 232 (3)	department of
SC 135 or 136 (3)	PA 302 (3)	MATH 134 or 135 (3)	choice after
MATH 133 (3)	PA 311 (3)	PE 1xx (1)	being admitted
BIOL 143 (4)	PA 312 (3)	PSY 131 or	as a major
PHYS 101 or	PA 313 (3)	SOC 158 (3)	
GEOL 141 (4)	PA 321 (3)	Foreign Language	
ENG 2xx (3)	PA 350 (6)	or Approved	
ART 131, MUSI 131, or	PA 400 (3)	CS credits (6)	
THC 130 (3)	PA 401 (3)	FS 102	
HIST 231 (3)	PA 410 (3)		
HIST 232 (3)			
POLS 231 (3)			
POLS 232 (3)			
SOC 157 (3)			
CS 116 (3)			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**Bachelor of Science Degree in Public Affairs**  
**Total Credits: 121**

<b>Freshman</b>	<b>First Semester</b>		<b>Second Semester</b>	
	English 131	3	English 132	3
	Math 133	3	Math 134 or 135	3
	FS 102 Freshman Seminar	1	Sociology 157	3
	History 231	3	History 232	3
	Speech 135 or 136	3	Pol. Sci. 232	3
	Pol. Sci. 231	3	P.E. 102	1
		16 hrs		16 hrs

<b>Sophomore</b>	<b>First Semester</b>		<b>Second Semester</b>	
	English (200 level)	3	Computer Sc 116	3
	Biology 143	4	Phys 101 or Geol 141	4
	Aesthetics*	3	Sociology 158 or Psychology 131	3
	For. Lang./Sub	3	For. Lang./Sub	3
	PA 271	3	PA 301	3
	*Art 131 or Mu 131 or THC 130			
	16 hrs		16 hrs	

<b>Junior</b>	<b>First Semester</b>		<b>Second Semester</b>	
	Economics 231	3	Economics 232	3
	PA 302	3	PA 312	3
	PA 311	3	PA 313	3
	Minor	3	PA 321	3
	Minor	3	Minor	3
	15 hrs		15 hrs	

<b>Senior</b>	<b>First Semester</b>		<b>Second Semester</b>	
	PA 401	3	PA 400	3
	PA 350	6	PA 410	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	15 hrs		12 hrs	

## DEPARTMENT OF ADMINISTRATION OF JUSTICE

The Department of Administration of Justice offers courses in Administration of Justice (DAJ) and Military Science (MSCI) and an undergraduate degree, the Bachelor of Science (B.S.) in Administration of Justice. A minor in Administration of Justice is offered for students pursuing undergraduate degrees or majors in other departments where they are required to declare a minor. The Department of Administration of Justice also offers the minor in Military Science and a newly created minor in Air Force Leadership. Interested students may obtain information from the department office located on the fourth floor of the Public Affairs Building. The Department of Administration of Justice initiated a M.S. degree in Administration of Justice in Fall 2007 and a Ph.D. in Administration of Justice in Fall 2008.

The mission of the Department of Administration of Justice is to educate students for careers and community service within a diverse urban environment through the development of specialized knowledge and skills needed for effective public service. The Department strives to prepare students not only with facts and concepts, but also, more importantly, to think critically and ethically in applying knowledge to related problems and challenging situations.

The curriculum presents subjects designed to develop competence for employment and for leadership roles for students planning careers in the judiciary, law enforcement, parole and probation, corrections, institutional services, security administration, homeland security, and other related career areas.

Students wishing to pursue the undergraduate degree offered through the Department must first gain admission to the University. They must satisfy ASSET requirements, eradicate identified deficiencies, and declare Administration of Justice as their major. To declare a major in Administration of Justice, students must have an earned overall GPA of 2.50 or better and have completed the following four courses with grades of "C" or better (grades of "C-" are unacceptable): POLS 231 (American Political Systems I), POLS 232 (American Political Systems II), ENG 131 (Freshman English I), and ENG 132 (Freshman English II). Once admitted to the Department, students are each assigned an Academic Advisor who must approve all class schedules. They must also keep the Department Office informed of current addresses and telephone numbers prior to graduation. Students must also retain a minimum overall GPA of 2.00 and fulfill all prerequisites for required courses prior to scheduling them to remain in good standing in the Department. Students failing to meet prerequisites for courses will be withdrawn, administratively, from them. Students are also cautioned that transfer credits will be accepted for either elective or required courses only if grades of "C" or better have been earned (grades of "C-" are unacceptable) at an accredited educational institution.

Students wishing to pursue the B.S. in Administration of Justice are cautioned that a prior criminal conviction may be used to deny access or placement in various jobs in the criminal justice system, especially those related to the judiciary, law enforcement, detention, and corrections, even when the degree has been earned.

Requirements for the B.S. in Administration of Justice are specified, in detail, below. As first-time degree seekers, students are required to declare a minor in a second academic discipline either through the Department or through another department for graduation. Grades of "C" or better (grades of "C-" are unacceptable) must be earned in all major and minor courses required for graduation. Additionally, in selecting minors, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum for the degree of choice could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed. At the beginning of the senior year, majors should have their overall transcripts and records evaluated by their Academic Advisor to verify their status with regard to graduation. An exit examination is required of all graduating seniors.

**For a minor in Administration of Justice, twenty-one (21) semester credit hours are required.** The following courses (3 semester credit hours each) must be taken: AJ 105, AJ 211, AJ 220, and AJ 240. In addition, nine (9) 300-level or 400-level semester credits must be earned as electives along with the four courses identified.

**For a minor in Military Science, twenty-one (21) semester credit hours are required.** To qualify for this minor, twelve (12) credit hours must be taken in 300-to-400-level courses. Nine (9) credit hours must be completed in residency, and six (6) of the nine (9) must be in 300-to-400-level courses. Students may receive credit for 100-200-level courses based upon prior military training, completion of ROTC Basic Camp, completion of JROTC training, or completion of one year at a service academy.

## ADMINISTRATION OF JUSTICE COURSES

- AJ 100 Introduction to Criminology (3)**  
An introduction to the scientific study of crime. Three hours of lecture per week.
- AJ 105 Introduction to Administration of Justice (3)**  
An introduction to the U.S. and Texas criminal justice systems. Definition of crime, law enforcement, prosecution, due process, and rehabilitation systems. Prerequisite for all Administration of Justice courses. Three hours of lecture per week. **Listed as CRIJ 1301 in the Texas Common Course Numbering System.**
- AJ 211 Introduction to Court Systems (3)**  
Examines the role of courts in the criminal justice system. Special attention is on processes and organization of state and federal courts. Three hours of lecture per week.
- AJ 220 Introduction to Corrections (3)**  
Historical development of the current structure and dynamics of correctional organizations and their practices. Three hours of lecture per week.
- AJ 240 Introduction to Law Enforcement (3)**  
Survey of both public and private law enforcement agencies with special emphasis on public law enforcement agencies at the different levels of government. Three hours of lecture per week.
- AJ 241 Security Management (3)**  
Organization of the security function and its administration will be emphasized. Selection, education, and training for security personnel will be examined including modern technological approaches.
- AJ 250 Legal Aspects of Law Enforcement (3)**  
Designed to create an awareness of the law governing the behavior of law enforcement officials. Special attention given to probable cause, interrogation, arrest, searches and seizures, and criminal court procedure. Three hours of lecture per week. **Listed in the Texas Common Course Numbering System as CRIJ 2323.**
- AJ 300 Substance Abuse (3)**  
Designed to focus on varied substances, including drugs and alcohol that are currently being used and abused in society. Three hours of lecture per week.
- AJ 301 Research Methods in Administration of Justice (3)**  
Introduction to applied research methods in administration of justice with emphasis on descriptive statistical methods as a tool for assisting administration of justice administrators and researchers in decision making. Computer applications included. Three hours of lecture per week.
- AJ 302 Quantitative Methods in Administration of Justice (3)**  
Continuation of AJ 301 introducing probability and inferential statistics as analytical tools useful to administration of justice administrators and researchers. Students are expected to gain knowledge and experience in the use of packaged statistical software in data analysis. Three hours of lecture per week. Prerequisite: AJ 301.
- AJ 310 Criminal Law and Procedure (3)**  
Basic concepts of criminal law with an emphasis on the penal law of Texas. Evidence sufficiency, procedural due process, and constitutional safeguards also addressed. Three hours of lecture per week. Prerequisite: AJ 211 and AJ 250.
- AJ 313 Judicial Administration (3)**  
Local, state, and federal judicial operations; constitutional, legislative, and judicial influence on administrative action; and administrative problems associated with judicial functions. Prerequisite: AJ 211.

- AJ 321 Probation and Parole Administration (3)**  
Systems of probation and parole from the perspective of organization, operation, and results; legal and administrative requirements of probation management; substitutions for incarceration. Three hours of lecture per week. Prerequisite: AJ 220.
- AJ 322 Juvenile Justice System (3)**  
Examination of aspects of the juvenile justice history and philosophy; court practices and procedures; police practices and corrections. Three hours of lecture per week.
- AJ 323 Correctional Counseling (3)**  
Emphasis on principles and procedures; the theoretical foundations of therapeutic psychology; therapeutic techniques and processes. Three hours of lecture per week. Prerequisite: AJ 220.
- AJ 333 Police and Community Relations (3)**  
Role of the urban police department in community relations and how the police and the community can establish a more effective relationship. Three hours of lecture per week.
- AJ 334 Criminal Investigation (3)**  
Designed to focus on the theory and practice of criminal investigation, including techniques and skills of successful investigators. Three hours of lecture per week. Prerequisite: AJ 240.
- AJ 335 Community-Based Corrections (3)**  
Principles and practices of community-based corrections such as probation, intermediate sanctions and parole. Emphasis is on functions, supervisions, problems, methods and technologies utilized in community-based programs.
- AJ 338 Spatial Analysis of Crime (3)**  
The analysis of the location of crime including the site and situational relationship of crime causative and associational factors. Three hours of lecture per week.
- AJ 345 Comparative Administration of Justice (3)**  
An introduction to various administration of justice systems and practices operative in different nation-states. Three hours of lecture per week.
- AJ 411 Seminar on Administration of Justice Ethics (3)**  
Ethical issues in criminal justice by philosophers, criminal justice professionals, lawyers and judges, and the general public. Includes topics relating to policy, courts, corrections, and issues in legal philosophy. Prerequisite: 18 semester credit hours in Administration of Justice or consent of the instructor.
- AJ 412 Selected Topics in Administration of Justice (3)**  
The review of various administration of justice beliefs and practices; the topics can vary by semester and instructor. May be repeated for up to 9 credits as topics vary. Three hours of lecture per week.
- AJ 441 Correctional Administration (3)**  
Organizational and Administrative problems and procedures unique to corrections. Custody, discipline, security force distribution, and coordination with treatment services within correctional institutions. Personnel policies, budgets, and the prison community's social structure. Three hours of lecture per week. Prerequisite: AJ 220.
- AJ 450 Police Administration (3)**  
Emphasis on police management theory and practice; personnel management; planning and research; management of information; allocation and distribution of operational human resources. Three hours of lecture per week. Prerequisite: AJ 240.

- AJ 451** **Seminar on Administration of Justice** (3)  
Selected topics such as the experiences encountered by African-Americans and other ethnic groups in criminal justice in the United States. May be repeated for up to 9 credits as topics vary. Three hours of lecture per week. Prerequisite: 21 semester credit hours in Administration of Justice or consent of the instructor.
- AJ 452** **Race and Crime** (3)  
An introduction to the impact and relationship of race and ethnicity to crime. Three hours of lecture per week.
- AJ 453** **Administration of Justice Theories**  
This course is designed to provide students with an understanding of competing theories in administration of justice. **Listed in the Texas Common Course Numbering System as CRIJ 003642.**
- AJ 460** **Administration of Justice Internship** (3)  
Supervised practical experience in public and nonprofit selected agencies. Designed for student at junior and senior levels.

### MILITARY SCIENCE COURSES

- MSCI 113** **Ranger Challenge Training** (1)  
Team competition, land navigation, rifle marksmanship, tactics, and survival skills covered. Fitness training requires cadets to compete against other universities. Prerequisite: Must be enrolled for Military Science minor.
- MSCI 115** **Physical Readiness Training** (1)  
Satisfies physical education requirements. Utilizes U.S. Army fitness techniques in developing strength, flexibility, and endurance. Develops self-confidence through leadership training and physical activities. Open to all students at the University. Offered during the fall semester only.
- MSCI 116** **Physical Readiness Training** (1)  
Continuation of MSCI 115. Open to all students at the University. Offered during the spring semester only.
- MSCI 121** **Introduction to Army and Marksmanship** (2)  
Introduction to the role of the U.S. Armed Forces in society. Emphasizes weapon safety, responsibility, and marksmanship techniques. No military obligation incurred for attendance. Open to all students at the University.
- MSCI 122** **Survival and Unarmed Self-Defense** (2)  
Basic concepts and techniques in unarmed self-defense, field expedient techniques, and basic field craft addressed. Rape prevention techniques also addressed. No military obligation incurred for attendance. Open to all students at the University.
- MSCI 221** **Military Leadership Development** (2)  
Introduction to leadership, problem analysis, decision making, oral communication, first aid, land navigation, basic radio communications, marksmanship, and repelling. Fitness training and laboratory required.
- MSCI 222** **Military Leadership Development** (2)  
Continuation of MSCI 221. Fitness training and laboratory required.





**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN  
ADMINISTRATION OF JUSTICE  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (ADMIN OF JUSTICE)^</b>	<b>OTHER REQUIREMENTS</b>	<b>MINOR REQUIREMENTS</b>
<b>44 credits</b>	<b>45 credits</b>	<b>10 credits</b>	<b>21 credits</b>
ENG 131 (3)**	AJ 100 (3)	CS 117 (3)	Contact
ENG 132 (3)	AJ 105 (3)	HED 233 (2)	department of
	AJ 211 (3)		
SC 135 or 136 (3)	AJ 220 (3)	MATH 134 or 135 (3)	choice after
MATH 133 (3)	AJ 240 (3)	PE 1xx (1)	being admitted
BIOL 143 (4)	AJ 250 (3)	PE 1xx (1)	as a major.
	AJ 301 (3)	FS 102 (1)	
	AJ 302 (3)		
PHYS 101 or	AJ 321 (3)		
GEOL 141 (4)			
ENG 2xx (3)	AJ 411 (3)		
ART 131, MUSI 131, or	AJ 460 (3)		
THC 130 (3)	Plus 12 credits selected		
HIST 231 (3)	from the following:		
HIST 232 (3)			
POLS 231 (3)	AJ 241 (3)		
POLS 232 (3)	AJ 300 (3)		
PSY 131; SOC 157,	AJ 310 (3)		
	AJ 313 (3)		
or SOC 158 (3)	AJ 322 (3)		
CS 116 (3)	AJ 323 (3)		
	AJ 333 (3)		
	AJ 334 (3)		
	AJ 335 (3)		
	AJ 338 (3)		
	AJ 345 (3)		
	AJ 412 (3)		
	AJ 441 (3)		
	AJ 450 (3)		
	AJ 451 (3)		
	AJ 452 (3)		

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

^ Students must earn grades of C or better in all AJ core courses, POLS and freshman English courses, and courses in the Minor.

**Bachelor of Science Degree in Administration of Justice  
Four-Year Degree Plan – Total Credits: 121**

<b>Freshman</b>	<b>First Semester</b>		<b>Second Semester</b>	
	AJ 100	3	AJ 105	3
	English 131	3	AJ 220	3
	Math 133	3	English 132	3
	Art 131, Music 131 or Theater 130	3	Math 134/135	3
	Psy 131, Soc 157 or Soc 158	3	SC 135/136	3
	FS 102 Freshman Seminar	1	PE (100 Level)	1
		16 hrs		16 hrs

<b>Sophomore</b>	<b>First Semester</b>		<b>Second Semester</b>	
	AJ 240	3	AJ 250	3
	Pol. Sci. 231	3	Pol. Sci. 232	3
	Eng (200 Level)	3	HED 233	2
	Geol 141 or Phys 101	4	Biol 143 & Biol 143L	4
	CS 116	3	CS 117	3
			PE (100 Level)	1
	16 hrs		16 hrs	

<b>Junior</b>	<b>First Semester</b>		<b>Second Semester</b>	
	Hist 231	3	Hist 232	3
	AJ 301	3	AJ 302	3
	AJ 211	3	AJ 321	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	15 hrs		15 hrs	

<b>Senior</b>	<b>First Semester</b>		<b>Second Semester</b>	
	AJ 411	3	AJ Elective	3
	AJ 460	3	AJ Elective	3
	AJ Elective	3	Minor	3
	AJ Elective	3	Minor	3
	Minor	3		
	15 hrs		12 hrs	



## COLLEGE OF PHARMACY AND HEALTH SCIENCES

### OVERVIEW

The College of Pharmacy and Health Sciences consists of three departments: Pharmaceutical Sciences, Pharmacy Practice, and Health Sciences. The College offers the Doctor of Pharmacy (two-year pre-pharmacy, four-year professional program degree), and graduate degrees in Health Care Administration (M.S. in Health Care Administration) and Pharmaceutical Sciences (M.S./Ph.D. in Pharmaceutical Sciences). The College offers five baccalaureate or undergraduate degrees through the Department of Health Sciences: the Bachelor of Science in Environmental Health, the Bachelor of Science in Health Administration, the Bachelor of Science in Health Information Management, the Bachelor of Science in Respiratory Therapy, and the Bachelor of Science in Clinical Laboratory Science. Information on the Master of Science Degree in Health Care Administration and the M.S./Ph.D. degrees in Pharmaceutical Sciences can be obtained directly from the College of Pharmacy and Health Sciences Admissions Office (3100 Cleburne; Houston, Texas 77004-9987) or the Graduate School.

Administratively, the College is organized with a Dean who is assisted by an Associate Dean for Academic Affairs, an Assistant Dean for Student Services, an Assistant Dean for Practice Programs, and three Faculty Chairs who administer the didactic and experiential components of all programs. The Associate Dean for Academic Affairs is responsible for all academic matters of the College, and in the absence of the Dean, is responsible for the operations of the College. The Assistant Dean for Student Services coordinates all student related organizations and activities, including recruitment, admissions, registration, counseling, and academic advising. The Assistant Dean for Practice Programs is responsible for the coordination of the professional practice experiences program. The Dean, Associate Dean, Assistant Deans, and Chairs of Pharmaceutical Sciences and Pharmacy Practice are housed in Gray Hall. The office of the Assistant Dean for Practice Programs is located on the Texas Medical Center John P. McGovern Campus and the Chair of the Department of Health Sciences is housed in Room 202 of the Nabrit Science Center.

### MISSION STATEMENT

The mission of the COPHS is to produce quality health care professionals, particularly minorities who are competent in health care delivery including the provision of patient-centered care and other health care services and programs. In fulfilling its purpose, the College is committed to fostering an innovative, productive and receptive learning environment for research, scholarly activities, and service; infusing new technology into its infrastructure and academic programs; and preparing, nurturing and mentoring students to be leaders in their fields and good citizens who give back to their city, state, nation and global communities. The college evaluates and assesses academic programs to ensure that the programs support the mission, vision and values of the university and college and support the advancement of graduate education and research focusing on reducing health disparities among minority and other underserved populations.

### ACCREDITATION

The College of Pharmacy and Health Sciences is a member of the American Association of Colleges of Pharmacy, and the Association of Schools of Allied Health Professions. Programs in Pharmacy are accredited by the Accreditation Council for Pharmacy Education. The Respiratory Therapy Program is accredited by the Committee on Accreditation for Respiratory Care (CoARC). The Health Information Management Program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The Clinical Laboratory Science (Medical Technology) Program is accredited by the National Accrediting Agency for Clinical Laboratory Science. The Environmental Health Program is accredited by the Environmental Health Science and Protection Accreditation Council (EHAC). The Health Administration Program is certified by the Association of University Programs in Health Administration (AUPHA).

### REGISTRATION AS A PHARMACIST IN THE STATE OF TEXAS LICENSURE AND EXPERIENCE REQUIREMENTS

An applicant for licensure shall be of good moral character, provide satisfactory evidence that the age of 18 years has been obtained and shall meet one of the following requirements: (1) have graduated and received a professional degree from a college of pharmacy the professional degree program of which has been accredited by ACPE and meets the requirements of the board; or (2) have graduated from a foreign college of pharmacy and obtained full certification from the FPGEC.

To become a registered pharmacist in the State of Texas, candidates must obtain a minimum grade of 75 on the North American Pharmacist Licensure Examination (NAPLEX); and must earn minimum grade of 75 on the Multistate Pharmacy Jurisprudence Examination (MPJE).

The College of Pharmacy and Health Sciences has a structured practical experience program, approved by the Texas State Board of Pharmacy, which satisfies the practical experience requirement for licensure.

### **REGISTRATION IN ENVIRONMENTAL HEALTH**

Upon completion of all academic and professional work in Environmental Health students are eligible to receive the Bachelor of Science (B.S.) degree in Environmental Health. Persons completing the program of study in Environmental Health are eligible to apply for registration/certification with the National Environmental Health Association (NEHA), the Air Pollution Training Institute (APTI), the National Safety Council (NSC), the American Conference of Governmental Industrial Hygienists (ACGIH), the National Society of Health Physics (NSHP), the Texas Environmental Health Association (TEHA), and the Texas Commission on Environmental Quality (TCEQ). The curriculum of study prepares students for successful completion of registration/certification examinations for Environmental Quality Specialist, Hazardous Substance Professional, Industrial Hygienist, and Health Physicist.

### **REGISTRATION/CERTIFICATION AS A HEALTH INFORMATION MANAGER**

The Bachelor of Science Degree is awarded to students upon successful completion of the curriculum in Health Information Management. Once students earn this degree, they are eligible to apply for registration as Health Information Managers through the American Health Information Management Association.

### **REGISTRATION/CERTIFICATION IN CLINICAL LABORATORY SCIENCE**

Upon completion of all academic and professional work in Clinical Laboratory Science, students are eligible to receive both the Bachelor of Science Degree in Clinical Laboratory Science and a Certificate of Completion in Clinical Laboratory Science, as well as to apply to take the national certification examination administered by The American Society for Clinical Pathology Board of Registry and The National Certification Agency for Medical Laboratory Personnel.

### **LICENSURE/CERTIFICATION AS A RESPIRATORY THERAPIST**

Eligible seniors will receive the program Certificate of Completion and will take the National Board of Respiratory Care Entry Level Examination (CRT). After successful completion of the CRT, and receipt of State Licensure, seniors will take the two professional board Registry examinations (WRT and CSE) to obtain the Registered Respiratory Therapist (RRT) credential. The Bachelor of Science Degree in Respiratory Therapy is awarded upon successful completion of the curriculum and official proof of attaining the RRT credential.

## ADMISSION POLICIES

### General

Admission to the Doctor of Pharmacy Program in the College of Pharmacy and Health Sciences is under the Office of Student Services in the College (through an official Admissions and Academic Standards Committee) and the University Director of Admissions. **All correspondence on this subject should be directed to the Assistant Dean for Student Services in the College of Pharmacy and Health Sciences Admissions Office at Texas Southern University (3100 Cleburne; Houston, Texas 77004-9987).** A completed application, including all required supporting credentials, should be received by the College Admissions Office as early as possible. Please refer to the College website for the specific application deadline (new students are admitted only in the Fall semester) for the Doctor of Pharmacy Program. Students seeking admission to programs in Health Sciences should contact the Department of Health Sciences for program specific deadlines for submission of a completed application. Credentials for admission must, in every case, include a complete record of all previous high school, college, and/or university work.

Because of the uniqueness of the various programs in the College of Pharmacy and Health Sciences, it is important that interested persons consult the specific program criteria that complement the general policies described here and seek advisement from faculty in the program of interest.

All requirements for graduation with the entry-level Doctor of Pharmacy Degree must be completed within six years after enrollment in the Professional Program. All requirements for graduation with a B.S. degree in one of the Health Sciences programs must be completed within six years after initial enrollment as a freshman or within four years in the professional program. When this is not the case, the complete academic records of students in question will be subject to review by the Faculty of the College of Pharmacy and Health Sciences to determine whether continuation will be allowed. **During the semester prior to graduation, students must file a graduation application. They should contact the Office of the Assistant Dean for Student Services regarding the graduation application process.**

#### A. For the Pre-Pharmacy Program

Students admitted to the Pre-Pharmacy Program are admitted based on the university's admissions policy. This policy provides equal educational opportunity to all graduates of accredited high schools in the United States and foreign countries and also mature adults who have passed the GED examination.

Students admitted to the Pre-Pharmacy Program should be referred to the Office of Student Services for advisement after they have met university placement test requirements. These students are primarily eligible to take core curriculum courses leading toward the entry-level Doctor of Pharmacy until they are eligible to apply for admission to the Professional Pharmacy Program. Students applying for the Professional Pharmacy Program must also have met university placement test requirements. Admission to the Pre-Pharmacy Program is not a guarantee of admission to the Professional Pharmacy Program.

#### B. For the Professional Pharmacy Program or Curriculum

1. **Pre-professional (pre-pharmacy) students** desiring to enroll in the professional pharmacy program must make application for admission to the College's Admissions and Academic Standards Committee by the end of the first semester of the second year (sophomore level). The following should be noted:
  - a. Prior to admission to the professional pharmacy program, students must have completed all of the requirements for the first two years (pre-pharmacy curriculum) and met university placement test requirements.
  - b. No grade below "C" (2.00) will be accepted in the required courses. Students having grades below "C" in these courses will be allowed to repeat them, after which time they may apply again to the professional pharmacy program.
  - c. The on-line application for admissions to the Entry-Level Pharm.D. Program and completed credentials must be received by the deadline stated on the College website for the year of admission.
  - d. The Pharmacy College Admissions Test (PCAT) is required for all students seeking admission. Applicants should see the College website for PCAT Test dates that are acceptable. Applicants with PCAT scores more than one calendar year old will not be considered for admission.

- e. Applicants must be interviewed before admission is offered. A completed on-line application for admission, including the required letters of recommendation/evaluation, scores from the Pharmacy College Admission Test (PCAT), and academic transcripts are required prior to consideration for an interview. Submission of all required documentation does not guarantee an invitation for an interview
  - f. Not more than sixty-six (66) semester credit hours completed (grades of “C” or better) will be accepted on transfer from community or junior colleges.
2. Applicants may be admitted to the College of Pharmacy and Health Sciences after transfer to the university from an accredited standard college or from an approved community or junior college under the following conditions:
- a. If the applicant is not under penalty for low scholarship (i.e., poor academic performance) or unsatisfactory conduct in any collegiate institution previously attended.
  - b. If the academic average in all college work previously attempted is not below the grade of “C+” with a GPA of 2.33 or more on a scale of 4.00.
  - c. If the Pharmacy College Admission Test (PCAT) has been taken.
  - d. If the applicant receives a favorable recommendation from the College Admissions and Academic Standards Committee. The Committee will verify that all of the requirements for the Pre-Pharmacy Program have been met.
  - e. If the applicant has not exceeded the maximum of 66 credit hours from a two year college.
3. **Currently enrolled Professional-program students** must maintain an average of “C” (2.00) or better and earn grades of “C” or better in required courses in any given year. If these standards are not maintained, the following rules will be enforced:
- a. Students may repeat the course(s), if offered, during the summer at the University or any approved accredited university before they can enter the next professional year of study. Students desiring to take pharmacy, health sciences or other courses off campus or in other departments of the University must secure permission from the Associate Dean for Academic Affairs of the College prior to registration.
  - b. Students failing (i.e., grade less than ‘C’) a required course will be allowed to repeat it twice. Students failing to receive a satisfactory grade after three unsuccessful attempts will not be allowed to continue in the professional pharmacy program.

### **C. For Graduates of Foreign Schools of Pharmacy**

The Faculty of the College of Pharmacy and Health Sciences has approved the following stipulations for all graduates of Foreign Schools of Pharmacy seeking the entry-level Doctor of Pharmacy Degree from Texas Southern University:

- 1. All applicants in this category apply to the entry-level Pharm.D. program as a first year student; must take the Pharmacy College Admission Test (PCAT) and complete all prerequisites required for admission.
- 2. All foreign transcripts must be evaluated by one of the approved agencies certified by Texas Southern University. A complete list of agencies may be obtained from the Office of International Affairs at Texas Southern University.
- 3. All applicants in this category must meet the foreign language requirements of the University.

### **D. For the Pre-Health Sciences Program**

Admission to the Pre-Health Sciences Program is open to all students who: (1) present evidence of a having a diploma confirming high school graduation; (2) show evidence of good character and intellectual promise; and (3) present scores earned on either the SAT or ACT examination. Students in this category may follow the curriculum of study for the Health Sciences Program of choice up to enrollment in professional-level courses. Before enrollment in professional-level courses is permitted, students must formally apply for admission to the Program of choice through the College Admissions and Academic Standards Committee and in accord with requirements or stipulations presented below. It is important that all applicants for the Health Sciences Programs seek advisement from the faculty in the program of interest. Once acceptance is recommended by the Committee, students may enroll in professional-level courses and complete requirements for the chosen Health Sciences degree and professional credential.

### **E. For the Professional Program in Environmental Health**

All students seeking admission to this program must formally apply to the Admissions and Academic Standards Committee in the College through the Program Director. Applications must be accompanied by official transcripts of all college work (with evaluations from the University Registrar) and three letters of recommendation from previous teachers, advisors, or workplace supervisors. All applicants must have met ASSET and/or other university placement responsibility and have a GPA of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics before entering the Program. Students must have acceptance prior to enrollment in professional courses.

### **F. For the Professional Program in Health Administration**

For acceptance into the Health Administration Program, students must arrange appointments with a faculty advisor prior to placing Program applications. Once initial advisement is completed, students must seek admission to this program by applying to the Admissions and Academic Standards Committee in the College through the Program Director. Official transcripts of all college work (with evaluations from the University Registrar) must accompany all applications, as well as three letters of recommendations. Additionally, all applicants must have met ASSET responsibility and have an overall GPA of 2.50 or better on a 4.00 scale to qualify for admission. Students must have acceptance prior to enrollment in professional courses. Membership and active participation in the Student American College of Health Services Executives (ACHESA) is encouraged. All students admitted to the Health Administration Program are expected to apply for membership in the American College of Health Services Executives as a student member. ACHESA is the official professional organization. This forum will allow for interaction between students and practicing members in the health care management professions.

### **G. For the Professional Program in Health Information Management**

To qualify for admission to the Health Information Management Program, students must submit applications to the Admissions and Academic Standards Committee in the College through the Program Director accompanied by three letters of recommendation and transcripts of all college work (with evaluations from the University Registrar). Applicants must have met ASSET and/or other university placement responsibility at the time of application and have GPAs of 2.50 or better on a 4.00 scale in mathematics, business, and computer science to qualify for admission and prior to enrollment in professional courses.

### **H. For the Professional Program in Clinical Laboratory Science**

Students seeking admission to this program must arrange an appointment with the Program Director prior to submitting an application. Once initial advisement is completed, students should make application to the program by April for the fall class. There is only one entering class each year in the Fall semester. Applicants must be accepted prior to enrollment in professional courses. Students applying must submit applications to the Admissions and Academic Standards Committee in the College through the Program Director, three letters of recommendation from previous instructors, and transcripts of all college work completed (with evaluations from the University Registrar). In addition, they must have met all ASSET and/or other university placement requirements and have GPAs of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics. Applicants are required to take the HOBET (Health Occupations Basic Entrance Test) examination.

### **I. For the Professional Program in Respiratory Therapy**

Applications for admission to this program are accepted and finalized each Fall Semester. All entry-level professional courses begin each Spring Semester. The application process is competitive and requires the submission of an application to the Admissions and Academic Standards Committee in the College through the Respiratory Therapy Program Director accompanied by three letters of recommendation and transcripts of all college work completed (transferred credits must be evaluated by the University Registrar). Students applying must have met ASSET and/or other university placement responsibility and have GPAs of 2.50 or better on a 4.00 scale in Mathematics and the Basic Sciences of Biology, Chemistry, and Physics. Applicants are required to take the HOBET (Health Occupations Basic Entrance Test) examination.



## TRANSFER CREDIT

The designation of “advanced standing” may be granted, by level, to students transferring from other institutions into the Pre-Pharmacy Program, the Professional Pharmacy Program, or one of the Health Sciences Programs on a case-by-case basis through the Office of Admissions at the University, through the Admissions and Academic Standards Committee in the College, and under rules set forth by authorized committees of the University Faculty. However, students transferring, specifically, into one of the Health Sciences Programs may transfer **no more than sixty-six (66) semester credit hours from either a community or junior college.**

The University reserves the right to determine, after a period of at least one semester, the exact number of advanced credits that a student may be credited.

### CLASSIFICATION OF STUDENTS IN PHARMACY

First-Year Professional P1 students must have been approved for admission to the professional program by the Admissions and Academic Standards Committee. Second-Year Professional P2 students are Pharm.D. students who have successfully completed all prescribed first-year courses with a grade of “C” or better. Third-Year Professional P3 students are Pharm.D. students who have completed all prescribed first and second-year courses with a grade of “C” or better. Fourth-Year Professional P4 Pharm.D. students are students who have successfully completed pre-professional, first, second and third year prescribed courses with a grade of “C” or better and passed the summative examination. All students must have completed all-prerequisites prior to the beginning of their P4 year in order to begin advanced pharmacy practice experiences. Students are required to maintain a GPA of 2.0 or better. Additionally, these students must have passed the summative examination to progress to the fourth professional (P4) year.

### CLASSIFICATION OF HEALTH SCIENCE MAJORS

#### A. First Year Students

First-year students are those pre-professional students who have a desire to enroll in one of the Health Sciences major areas. These students are enrolled in the classes for the respective curricula, having met all requirements for admission to the university. Additionally, these students must earn grades of “C” or better in the first year classes.

#### B. Second Year Students

Second-year students are those pre-professional students who have successfully completed the first-year courses for their respective health science program with the required credit hours as listed below and who have at least twice as many quality points as credit hours:

Environmental Health	-36 credit hours
Health Care Administration	-34 credit hours
Health Information Management	-40 credit hours
Clinical Laboratory Sciences	-35 credit hours
Respiratory Therapy	-34 credit hours

#### C. Third Year Students

Third-year students are considered first-year professional program students.

1. They must have successfully completed the prescribed lower division work including successful completion of the Texas Higher Education Assessment Test (THEA or ASSET) and/or other required university placement tests.
2. They must have been approved for admission by the appropriate faculty Admission Committee.
3. They must have at least the required credit hours listed below and must have earned at least twice as many quality points as credit hours.

Environmental Health	-76 credit hours
Health Care Administration	-65 credit hours
Health Information Management	-71 credit hours
Clinical Laboratory Sciences	-75 credit hours
Respiratory Therapy	-80 credit hours

## **D. Fourth- Year Students**

Fourth-year students are considered second-year program students.

1. They must have successfully completed the first-year professional courses.
2. They must have at least the required credit hours.

### **CLASS ATTENDANCE**

Compulsory class attendance is the official College of Pharmacy and Health Sciences policy affecting all students regularly enrolled in courses offered through the College. Students are required to attend 85 % of all regularly scheduled classes, except in advanced pharmacy practice experiences, internships, preceptorships, and other experiential courses, where no more than two absences are allowed. Class meetings are usually scheduled Monday through Friday of each week. Prior to mid-term, failure to attend regularly scheduled classes as required above will be deemed adequate grounds for withdrawal from a course. After mid-term, failure to comply with the attendance policy may result in a non-passing final grade for the course.

### **COMPREHENSIVE EXAMINATIONS**

#### **Pharmacy**

Students will be required to take formative and summative examinations at various phases during the curriculum.

During the fourth professional year of study, students must successfully complete a comprehensive examination where the score is validated by the Faculty. Graduation must occur within one year of successful completion of the Comprehensive Examination, or the Comprehensive Examination must be successfully repeated. In addition, a score of at least 75% in Texas Jurisprudence is required in order to be approved for graduation.

#### **Environmental Health**

Students must pass a comprehensive examination prior to graduation. The passing score is 75%. The examination is administered during the senior year after candidates for graduation have initiated the graduation application process. Persons with prior certification in an environmental health profession or who have pursued certification examinations during the course of their studies from internationally acknowledged organizations, such as the National Environmental Health Association (NEHA), may be exempt from this requirement based upon positive outcomes.

#### **Health Administration**

A comprehensive examination is required of all students to complete the Bachelor of Science in Health Administration degree. Students are examined in four areas: health status of the population; financial and economic impact of health care; health care policy; and ethical and legal aspects of health care. A score of 70% or better is considered a passing score. The exam is administered during the senior year. Graduation must occur within one year of successful completion of the comprehensive examination, or the comprehensive examination must be repeated.

#### **Health Information Management**

A comprehensive examination is required of all students to complete this program. They must pass this examination, which is given during their senior year, with a score of 75% or better; and they must have the approval of the Program Director before attempting the examination. Once the examination is completed, students are individually issued a Certificate of Completion in Health Information Management; and they may petition to take the American Health Information Management Association RHIA Certification Examination.

#### **Clinical Laboratory Science**

All students in this program are required to pass a comprehensive examination during their senior year with a score of 75% or better prior to graduation. Students approved for graduation may also petition to take a national examination administered by The American Society of Clinical Pathology Board of Registry and The National Certification Agency for Medical Laboratory Personnel. Students failing the comprehensive examination will be required to complete remedial activities and/or course work prior to re-examination. Students will only be allowed to repeat the comprehensive examination twice.

## **Respiratory Therapy**

Two program comprehensive examinations are required of all students for receipt of the program's Special Certificate of Completion in Respiratory Therapy. The two parts consist of the Certified Respiratory Therapist (CRT) examination and the Registered Respiratory Therapist (RRT) examination. The certificate obligates the student to successfully attempt the professional board examinations as a requisite to graduation. Students must be approved by the Program Director to attempt the comprehensive examinations. Successful completion of both comprehensive examinations qualifies students to take the professional National Board of Respiratory Care Entry board examination to become a Certified Respiratory Therapist (CRT) and Registered Respiratory Therapist (RRT). The CRT comprehensive examination must be passed prior to attempting the RRT comprehensive examination. The passing score for both comprehensive examinations is in accord with national passing rates which require a scaled score of 70. Students failing any part or parts of the program's comprehensive examinations will be required to enroll in documented recapitulative course work prior to re-examination.

## **SCHOLASTIC REPORTS AND PROBATION**

Temporary grades for students are reported at mid-semester. If students are doing unsatisfactory work at that time, they have full responsibility for their own improvement; and it is recommended that they confer with their assigned faculty advisors and with course instructors for advisement. Poor scholarship, non-attendance, questionable conduct, or lack of industry are reasons for placing a student on probation and for possible dismissal. If the probation is a result of poor scholarship, it is the responsibility of individual students to report, at least, once a month to their faculty advisors. Poor scholarship is interpreted to mean failure to earn, at least, twice as many quality or grade points as semester credit hours attempted during any semester.

## **ACADEMIC DISCIPLINE**

Academic discipline is primarily for corrective purposes and is aimed at the development of responsible student conduct.

The University has the right and the duty to protect its educational purpose through setting and maintaining standards and regulations considered essential to its purpose. Such standards encompass both dress and behavioral patterns. Guidelines for proper professional conduct include honesty and personal integrity; respect for human rights, dignity, and well being; proper language; neatness in personal appearance; courtesy; and cooperation. Disciplinary regulations and procedures are described in the Student Academic Handbook. It should be kept in mind that suspension and expulsion are among the penalties for grave breaches of discipline. A copy of the Student Academic Handbook for the College of Pharmacy and Health Sciences is available on the college website, in the Office of the Dean, in the Office of the Assistant Dean for Student Services, and in the Health Sciences Department Office.

## **PROFESSIONAL FEES**

**PHARMACY AND HEALTH SCIENCES FEE.** In addition to the cost of tuition, all students are required to pay a professional fee as part of registration fees. The amount of this fee is subject to change from semester to semester. Collectively, these fees are used to support student travel to professional meetings and to support student activities.

**PROFESSIONAL STUDENT LIABILITY INSURANCE.** All students who are enrolled in practice experiences in pharmacy or health sciences programs are required to purchase liability insurance. The insurance is mandatory and serves to protect the student and the College of Pharmacy and Health Sciences, and is a condition for affiliation with other participating institutions.

**HEALTH INSURANCE.** Health insurance that covers inpatient and outpatient services is a requirement of all students participating in practice experiences and is a condition of the affiliation agreements with host institutions.

**BACKGROUND CHECK.** A background check is required of students participating in practice experiences. Students are referred to an on-line third party vendor, as appropriate, to request the background check and are responsible for any associated costs and paperwork.

## SPECIAL REQUIREMENTS FOR PHARMACY AND HEALTH SCIENCES STUDENTS PARTICIPATING IN PRACTICE EXPERIENCES

Students in the College who are enrolled in professional practice experiences will be required to present proof of the following:

1. Current record of required immunizations, including Meningitis, MMR (Measles, Mumps, Rubella), Hepatitis B (series I, II, III), Diphtheria/Tetanus, Tuberculin skin test (annual) and other emerging immunization requirements. Any student who has a positive PPD must provide copy of a recent chest x-ray, and Varicella compliance. Students must provide dates of Varicella vaccination or a positive antibody titer. These requirements are subject to change depending upon requests from affiliates.
2. Cardiopulmonary Resuscitation (CPR) Training
3. Health Insurance Portability and Accountability Act (HIPA) Training
4. Occupational Exposure to Blood Borne Pathogens Training

Additionally, students admitted to the professional pharmacy program will be required to present proof of having the appropriate immunizations prior to being seated in the incoming first professional year class.

**The students must meet all other specific requirements of affiliated health care facilities.**

### SPECIAL REGULATIONS IN THE COLLEGE OF PHARMACY AND HEALTH SCIENCES

The Dean's Office is the executive office of the Faculty. It is the Dean's duty, under the direction of the Provost/ Vice-President for Academic Affairs/Research and President, to enforce the rules of the Faculty, the rules of the Board of Regents, and to administer discipline in the case of violations.

Students must repeat any course in the Pharmacy or Health Sciences curricula in which a grade below 'C' (including 'C-') has been earned. Students who earn a grade of at least 'C-' in a preceding course that is part of a series may proceed to the next course in the series. However, the preceding course must be repeated to satisfy the 'C' grade requirement stated above. Under no circumstances may a student proceed to the next course in a series when a grade less than "C-" is obtained in a preceding course.

### RIGHT TO MODIFY

**The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy, requirement, or fee at any time during the time that students are enrolled. Courses are also subject to change.**

### DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The three departments housed in the College of Pharmacy and Health Sciences are described in detail on the pages that follow. They are described in the following order: Department of Pharmaceutical Sciences, Department of Pharmacy Practice, and Department of Health Sciences.

## DEPARTMENT OF PHARMACEUTICAL SCIENCES

The Department of Pharmaceutical Sciences, along with the Department of Pharmacy Practice, offers courses leading to **the Doctor of Pharmacy Degree**. The Doctor of Pharmacy (Pharm.D.) is a six-year program requiring two years of study at the pre-professional (pre-pharmacy) level and four years of study at the professional level. Courses offered through this department include the following disciplines: biochemistry in human diseases, pharmaceuticals, pharmacokinetics, and integrated courses including pharmaceutical/medicinal chemistry, pathophysiology, and pharmacology.

The Department of Pharmaceutical Sciences also offers courses leading to the Doctor of Philosophy (Ph.D.) degree and a contingent or default Master of Science (M.S.) degree in Pharmaceutical Sciences. Students who are interested in pursuing a graduate degree in Pharmaceutical Sciences should consult the Graduate School Bulletin of Texas Southern University for further information or visit the website ([www.tsu.edu](http://www.tsu.edu)).

Members of the faculty in the Department of Pharmaceutical Sciences are housed in Gray Hall with the Department Office located in Gray Hall Room 124. The Department supports the primary mission of the College of Pharmacy and Health Sciences to produce quality health care professionals, particularly minorities who are competent in health care delivery including the provision of patient-centered care and other health care services and programs.

Since the Department offers courses leading to the entry-level Pharm.D. with the Department of Pharmacy Practice (described in the next section), students are referred to the end of the next section for a summary of requirements for the entry-level Pharm.D. degree and the sequence in which required courses should be taken. Courses offered through the Department of Pharmaceutical Sciences are described below.

Students should refer to admission policies, formative, summative, comprehensive and other examination and important information regarding the completion of the entry-level Pharm.D. under the College of Pharmacy and Health Sciences introductory section of this document.

**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Akpaffiong, Macaulay J.</b>  <b>Professor</b>  <b>Pharmacology</b>                      B.S., Texas Southern University                      M.Sc., Ph.D., University of Bath                      Pharm.D., University of Southern California</p>	<p><b>Liang, Dong</b>  <b>Professor</b>  <b>Pharmaceutics</b>                      B.S., M.S., Zhejiang Medical University                      Ph.D., University of Houston</p>
<p><b>Bell, Edward C.</b>  <b>Assistant Professor</b>  <b>Pharmaceutics</b>                      B.S., Tougaloo College                      Ph.D., Auburn University</p>	<p><b>Mehta, Chander S.</b>  <b>Professor</b>  <b>Pharmacology</b>                      B.S., University of Bombay                      B.Pharm., Ph.D., Washington State University</p>
<p><b>Dupre, Brian</b>  <b>Visiting Assistant Professor</b>                      B.S., University of Texas at Austin                      Ph.D., University of Texas at Austin</p>	<p><b>Milton, Shirlette Glover</b>  <b>Associate Professor</b>  <b>Pharmaceutical Chemistry</b>                      B.S., Texas Southern University                      M.S., University of Texas at Austin                      Ph.D., University of Texas Health Science Center at Houston</p>
<p><b>Enigbokan, Mofolorunso A.</b>  <b>Associate Professor</b>  <b>Pharmacology</b>                      B.S., M.S., Texas Southern University                      Ph.D., Howard University</p>	<p><b>Olaley, Omonike</b>  <b>Assistant Professor</b>  <b>Pharmacology</b>                      B.S., University of St. Thomas                      Ph.D., Johns Hopkins University</p>
<p><b>Eugere, Edward J.</b>  <b>Professor</b>  <b>Pharmacology</b>                      B.S., Xavier University                      M.S., Wayne State University                      Ph.D., University of Connecticut</p>	<p><b>Ohia, Sunny E.</b>  <b>Professor</b>  <b>Pharmacology</b>                      B.S., M.S., University of Ibadan                      Ph.D., University of Glasgow</p>
<p><b>Felder, Tyrone B.</b>  <b>Associate Professor</b>  <b>Pharmaceutics</b>                      B.S., Florida A &amp; M University                      Ph.D., University of Kentucky</p>	<p><b>Oyekan, Adebayo O.</b>  <b>Professor</b>  <b>Pharmacology</b>                      D.V.M., University of Nigeria                      Ph.D., University of London</p>
<p><b>Harris, Michael R.</b>  <b>Visiting Assistant Professor</b>                      B.S., Texas Southern University                      Ph.D., University of Texas at Austin</p>	<p><b>Ranganna, Kasturi</b>  <b>Assistant Professor</b>  <b>Pharmaceutical Chemistry</b>                      B.S., M.S., Bangalore University                      Ph.D., Indian Institute of Sciences</p>
<p><b>Hayes, Barbara E.</b>  <b>Professor</b>  <b>Pharmacology</b>                      B.S., Texas Southern University                      M.S., Purdue University                      Ph.D., University of Houston</p>	<p><b>Shivachar, Amruthesh</b>  <b>Associate Professor</b>  <b>Pharmaceutical Chemistry</b>                      B.Sc., Sarada Vilas Science College                      M.Sc., Ph.D., University of Mysore</p>
<p><b>Hickman, Eugene, Sr.</b>  <b>Professor (Retired)</b>  <b>Pharmaceutics</b>                      B.S., Texas Southern University                      M.S., University of Texas at Austin                      Ph.D., University of Iowa</p>	<p><b>Wells, Patrick</b>  <b>Dean Emeritus</b>                      B.S., Texas Southern University                      M.S., Ph.D., University of Nebraska at Lincoln</p>
<p><b>Leonard, Golda A.</b>  <b>Professor</b>  <b>Pharmacology</b>                      B.S., Texas Woman's University                      Ph.D., University of Michigan</p>	<p><b>Xie, Huan</b>  <b>Assistant Professor</b>  <b>Pharmaceutics</b>                      B.S., Fudan University                      Ph.D., North Carolina State University</p>



- PHAR 434**                      **Pharmaceutics II – Dosage Forms**                      (3)  
 Physiochemical and biological principles of dosage forms. Principles of drug delivery via dosage forms and dosage form stability and degradation. Prerequisites: PHAR 433 and PHAR 413. Corequisite: Successful completion of or concurrent enrollment in PHAR 414.
- PHAR 414**                      **Pharmaceutics II – Laboratory**                      (1)  
 Continuation of PHAR 413. Dosage form preparations and compounding techniques used for dispersed systems, semi-solids, suppositories, and solid dosages. Sterile admixture techniques including stability and sterility testing and dating, clean room requirements, and infusion devices will also be covered. Prerequisites: PHAR 433 and PHAR 413. Corequisite: Successful completion of or concurrent enrollment in PHAR 434.
- PHAR 539**                      **Pharmaceutics III - Pharmacokinetics**                      (3)  
 Basic principles of *in vivo* drug kinetics (linear and nonlinear), principles of bioavailability/bioequivalence, and factors that affect bioavailability of a drug such as physio-chemical properties, dosage formulations, and physiological factors. Prerequisites: PHAR 434, PHAR 414, and completion of all 400-level courses in the professional pharmacy program. Corequisite: Successful completion of or concurrent enrollment in PHAR 519.
- PHAR 519**                      **Pharmaceutics III – Recitation**                      (1)  
 Examples and problems utilizing pharmacokinetic principles as applied to drug therapy. Prerequisites: PHAR 434, PHAR 414, and completion of all 400-level courses in the professional pharmacy program. Corequisite: Successful completion of or concurrent enrollment in PHAR 539.
- PHAR 538**                      **Principles of Drug Action III**                      (3)  
 Continuation of PHAR 439. Interdisciplinary course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts essential to understanding the basis of drug use in diseases of the eye, ear, nose, and throat, integumentary system, and endocrine system. Prerequisites: PHAR 439, PHAR 419, and completion of all 400-level courses in the professional pharmacy program. Corequisite: Successful completion of or concurrent enrollment in PHAR 518.
- PHAR 518**                      **Principles of Drug Action III – Laboratory/Recitation**                      (1)  
 Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 538. Prerequisites: PHAR 439, PHAR 419, and completion of all 400-level courses in the professional pharmacy program. Corequisite: Successful completion of or concurrent enrollment in PHAR 538.
- PHAR 601**                      **Special Problems**                      (0-8)  
 Methods in pharmaceutical sciences and clinical research; application of hypothesis formulation, literature evaluation, experimental design, clinical skills, data acquisition/analysis, and formal presentations. Variable number of hours of lecture per week. Students may enroll in up to a total of 8 semester credit hours of Special Problems while in the professional pharmacy program. Prerequisite: Special permission by the Department.
- \*\*PHAR 616**                      **Pharmaceutics VI Laboratory**                      (1)  
 Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 636. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 636, and third professional year standing in the professional pharmacy program.
- \*\*PHAR 636**                      **Pharmaceutics VI – Applied Pharmacokinetics**                      (3)  
 Application of pharmacokinetic principles in selection, dosing, dosage form adjustments and evaluation of drug therapy for patients in an institutional setting. Three hours of lecture per week. Prerequisites: PHAR 634, PHAR 614, and third professional year standing in the professional pharmacy program. Corequisite: Successful completion of or concurrent enrollment in PHAR 616.



**PHCH 441**

**Biochemistry in Human Disease**

**(4)**

Chemistry of biomacromolecules (e.g., proteins, lipids, carbohydrates, and DNA). Enzymology, metabolic pathways to energy utilization, nucleic acid metabolism, and recombinant DNA technology. Prerequisite: First professional year standing in the professional pharmacy program.

\*\* Course (600-level) will be phased out through implementation of the new Pharm.D. curriculum.

**For degree plan and curriculum, please see the Department of Pharmacy Practice.**

## DEPARTMENT OF PHARMACY PRACTICE

The Department of Pharmacy Practice, along with the Department of Pharmaceutical Sciences, offers courses leading to the Doctor of Pharmacy degree. The Doctor of Pharmacy (Pharm.D.) is a six-year program requiring two years of study at the pre-professional (pre-pharmacy) level and four years of study at the professional level. Courses offered through this department include therapeutics and disease processes, community and hospital/institutional pharmacy practice and other professional pharmacy practice experiences in drug information and retrieval, pharmacy administration and jurisprudence and clinical research.

Members of the Department of Pharmacy Practice are housed in Gray Hall with the Department Office located in Room 241. The Department supports the primary mission of the College to produce quality health care professionals, particularly minorities who are competent in health care delivery including the provision of patient-centered care and other health care services and programs.

Courses offered through this department are described below. In addition, a summary of the requirements for the entry-level Pharm.D. degree is provided along with an indication of the sequence in which discipline-specific courses and their prerequisites and corequisites should be taken.

**Students should refer to admission policies, formative, summative, comprehensive and other examination and important information, regarding the completion of the Doctor of Pharmacy degree under the College of Pharmacy and Health Sciences introductory section of this publication.**

**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Abobo, Cyril V.</b>  <b>Associate Professor</b>  <b>Pharmacy Practice</b>                      B.S., Texas Southern University                      Pharm.D., Florida A &amp; M University</p>	<p><b>Maclayton, Darego</b>  <b>Associate Professor</b>  <b>Pharmacy Practice</b>                      Pharm. D., Texas Southern University</p>
<p><b>Cheung, Lily Kung</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm. D., Texas Southern University</p>	<p><b>Mathur, Sondip K.</b>  <b>Associate Professor</b>  <b>Pharmacy Practice</b>                      B.A., Delhi University                      M.A., Cleveland State University                      Ph. D., Texas A&amp;M University</p>
<p><b>Chui-Poon, Ivy</b>  <b>Associate Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D., University of Houston</p>	<p><b>Morris Moultry, Aisha</b>  <b>Associate Professor</b>  <b>Pharmacy Practice</b>                      M.S., Ohio State University                      Pharm.D., Texas Southern University</p>
<p><b>Davis Portia</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D, Texas Southern University</p>	<p><b>Ndefo, Uche Anadu</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D., University of South Carolina</p>
<p><b>Maxwell Eaton, Angie</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      B.S., Southwest Texas State University                      Pharm.D., Texas Southern University</p>	<p><b>Okafor, Kingsley C.</b>  <b>Professor</b>  <b>Pharmacy Practice</b>                      B.S., Texas Southern University                      Pharm.D., Florida A &amp; M University</p>
<p><b>Ebeid, Adlia M.</b>  <b>Instructor</b>  <b>Pharmacy Practice</b>                      B.S., Texas Tech University                      Pharm. D., Texas Southern University</p>	<p><b>Osemene, Nora I.</b>  <b>Associate Professor Pharmacy Practice</b>                      BA., University of Iowa                      B.S., M.S., University of Houston                      Pharm.D., Texas Southern University</p>
<p><b>Estes, Flora</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm. D., Texas Southern University</p>	<p><b>Simpson, Shalondria</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      B.A. University of North Texas                      Pharm.D. Texas Southern University</p>
<p><b>Hunter Rodney</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D, Texas Southern University</p>	<p><b>Swan Joshua</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D, University of Mississippi</p>
<p><b>Henderson, Lance</b>  <b>Instructor</b>  <b>Pharmacy Practice</b>                      B.S. Texas Southern University</p>	
<p><b>Jackson-Stewart, Doris</b>  <b>Associate Professor</b>  <b>Pharmacy Practice</b>                      B.S., Texas Southern University                      Pharm.D., Mercer University</p>	

## PHARMACY PRACTICE COURSES

- PHAR 411 Pharmacy Practice I Lab (1)**  
Application of communication concepts presented in Phar 421. Three hours of laboratory per week. Prerequisite/Corequisite: First professional year standing in the professional pharmacy program.
- PHAR 421 Pharmacy Practice I- Professional Communications/Counseling (2)**  
Development of pharmacist-provided patient care skills with focus on communicating and collaborating with prescribers, patients, caregivers and other involved healthcare providers to engender a team approach to patient care. Prerequisite/Corequisite: First professional year standing in the professional pharmacy program.
- PHAR 422 Pharmacy Practice II: Dispensing of Medication (2)**  
Principles of pharmacist-provided patient care skills with focus on the proper dispensing of medications prescribed (or recommended) as part of the patient's care plan. Prerequisite/Corequisite: First professional year standing in the professional pharmacy program.
- PHAR 412 Pharmacy Practice II: Laboratory (1)**  
Laboratory course with emphasis on the preparation and dispensing of prescriptions and the development and maintenance of patient medication profiles. Prerequisite/Corequisite: First professional year standing in the professional pharmacy program.
- PHAR 415 Introduction to Public Health (1)**  
Promote health improvement, wellness and disease prevention in cooperation with patients, communities, at risk populations and other healthcare professionals. One hour of lecture per week. Prerequisite/Corequisite: First professional year standing in the professional pharmacy program.
- PHAR 416 Introductory Pharmacy Practice Experiences I – Public Health / Service Learning (1)**  
Experiential course in which students will be exposed to service learning by participation in activities that develop personal and professional communication skills; improve sensitivity to populations of diverse backgrounds; increase awareness of role of other healthcare providers; and increase awareness of patient care. Prerequisite/Corequisite: First professional year standing in the professional pharmacy program.
- PHAR 417 Introductory Pharmacy Practice Experiences II - Shadowing, Community (1)**  
Continued development of skills acquired in PHAR 416. Students will be exposed to and participate in supervised pharmacy practice activities allowing direct interaction with diverse patient populations encountered in community pharmacy. Prerequisite/Corequisite: First professional year standing in the professional pharmacy program and completion of PHAR 416.
- PADM 428 Spanish for Pharmacy Professionals (2)**  
Introductory course to enable students to effectively communicate in the Spanish language as it applies to the practice of pharmacy. Prerequisite: Must be enrolled in the professional pharmacy program and consent of the instructor.
- PHAR 429 Emergency Preparedness for Pharmacy Professionals (2)**  
Students will be trained to provide pharmaceutical care and services in local and regional emergency situations. Prerequisite: Must be enrolled in the professional pharmacy program and consent of the instructor.
- PADM 430 Ethics in Pharmacy (3)**  
Principles of professional behavior and ethical issues related to the development, promotion, sales, prescribing and use of drugs: Prerequisite/Corequisite: First professional year standing in the professional pharmacy program.

<b>PHAR 431</b>	<b>Biostatistics and Research Design</b>	<b>(3)</b>
	Commonly used statistical tests and the basis for their use in health care research and delivery, including the evaluation of statistical results. Prerequisite/Corequisite: First professional year standing in the professional pharmacy program or consent of the instructor.	
<b>PHAR 510</b>	<b>Pharmacotherapy Skills Laboratory I</b>	<b>(1)</b>
	Gather and evaluate information for the purpose of developing a patient- centered pharmaceutical care plan for disorders pertaining to the nervous, cardiovascular and urinary systems. Prerequisite/Corequisite: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.	
<b>PHAR 511</b>	<b>Pharmacy Practice III Lab</b>	<b>(1)</b>
	Application of concepts presented in PHAR 522 to patient care. Prerequisite/Corequisite: Completion of all 400-level courses in the professional pharmacy program.	
<b>PHAR 512</b>	<b>Patient Assessment Laboratory</b>	<b>(3)</b>
	Application of basic patient assessment techniques terminology and the modifications caused by common diseases states and drug therapy. Topics include: acquisition of a comprehensive patient history, advanced cardiac life support, development of triage and referral skills, and use of OTC point of care testing devices Prerequisite/Corequisite: Completion of all 400-level courses in the professional pharmacy program.	
<b>PHAR 516</b>	<b>Introductory Pharmacy Practice Experiences III- Community</b>	<b>(1)</b>
	Students will be exposed to and participate in supervised pharmacy practice activities in a variety of contemporary community pharmacy practice settings. Prerequisite/Corequisite: Completion of all 400-level courses in the professional pharmacy program.	
<b>PHAR 517</b>	<b>Introductory Pharmacy Practice Experiences IV- Elective Pharmacy/ Community</b>	<b>(1)</b>
	Continued development of skills acquired in PHAR 416. Students will be exposed to and participate in supervised pharmacy practice activities allowing direct interaction with diverse patient populations in a variety of practice settings. Prerequisite/Corequisite: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.	
<b>PHAR 522</b>	<b>Pharmacy Practice III- Special Populations</b>	<b>(2)</b>
	Prescription and non-prescription medication alterations specific for special population patients (e.g, pediatric, geriatric, pregnant, sickle cell, cystic fibrosis, and others). Dosage calculations, dosage adjustments and drug monitoring for positive/negative outcomes in special population patients are discussed. Prerequisite/Corequisite: Completion of all 400-level courses in the professional pharmacy program.	
<b>PADM 531</b>	<b>Pharmacoeconomics and Outcomes</b>	<b>(3)</b>
	Principles and concepts of pharmacoeconomics pertaining to pharmacoeconomics analysis and patient care. Prerequisite/Corequisite: Completion of all 400-level courses in the professional pharmacy program.	
<b>*PADM 530</b>	<b>Ethics in Pharmacy Practice</b>	<b>(3)</b>
	Students develop skills in moral reasoning necessary to protect the safety, health, and dignity of patients served. Professional responsibilities emphasized. Three hours of lecture per week. Prerequisite: Completion of all 400-level courses in the professional pharmacy program.	
<b>PHAR 532</b>	<b>Drug Information and Literature Evaluation</b>	<b>(3)</b>
	Principles of evaluation of primary literature and its implications in the provision of evidence- based pharmaceutical care. Prerequisite/Corequisite: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.	

- \*PHAR 536 Patient Assessment and Physical Diagnosis (3)**  
Applications of physical diagnostic examinations in various pathological states for provision of pharmaceutical care. Three hours of lecture per week. Prerequisite: Completion of all 400-level courses in the professional pharmacy program.
- PHAR 542 Pharmacotherapy I - Nervous System Disorders (4)**  
An integrated course in which practice-based education outcomes from pathophysiology, pharmacology, medicinal chemistry, applied pharmacokinetics, and the clinical sciences are used to develop pharmaceutical care plans for patients with disorders of the nervous system. Prerequisite/Corequisite: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.
- PHAR 543 Pharmacotherapy II - Cardiovascular and Urinary System Disorders (4)**  
An integrated course in which practice-based education outcomes from pathophysiology, pharmacology, medicinal chemistry, applied pharmacokinetics, and the clinical sciences are used to develop pharmaceutical care plans for patients with disorders of the cardiovascular and genitourinary system. Prerequisite/Corequisite: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.
- PHAR 601 Special Problems (0-8)**  
Methods in pharmaceutical sciences and clinical research; application of hypothesis formulation, literature evaluation, experimental design, clinical skills, data acquisition/analysis, and formal presentations. Variable number of hours of lecture per week. Students may enroll in up to a total of 8 semester credit hours of Special Problems while in the professional pharmacy program. Prerequisite: Special permission by the Department.
- PHAR 610 Pharmacotherapy Skills Lab II (1)**  
Gather and evaluate information for the purpose of developing a patient- centered pharmaceutical care plan for disorders pertaining to the immune system, infectious diseases and respiratory system. Prerequisite/Corequisite: Completion of all 500-level courses in the professional pharmacy program.
- PHAR 611 Pharmacotherapy Skills Lab III (1)**  
Gather and evaluate information for the purpose of developing a patient- centered pharmaceutical care plan for disorders pertaining to the gastrointestinal system disorders, endocrine system, integumentary systems and eye, ear, nose and throat disorders. Prerequisite/Corequisite: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.
- \*\*PHAR 615 Prescription Practice Laboratory (1)**  
Continuation of PHAR 635 with emphasis on appropriate dispensing practices and procedures. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 635 and completion of all 500-level courses.
- PHAR 618 Introductory Pharmacy Practice Experiences V- Health Care Systems (1)**  
Introductory participation in pharmaceutical care in institutional and other health care settings. Prerequisite/Corequisite: Completion of all 500-level courses in the professional pharmacy program.
- PHAR 619 Introductory Pharmacy Practice Experiences VI- Health Care Systems (1)**  
Continuation of introductory participation in pharmaceutical care in institutional and other health care settings. Prerequisite/Corequisite: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.
- \*\*PHAR 630 Pharmacotherapeutics I (3)**  
Series of organized lectures stressing rational drug therapy in acute and chronic disease states. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the professional pharmacy program.

<b>PADM 630</b>	<b>Pharmacy Practice Management</b> (3) Management principles (planning, organizing, directing and controlling resources) applied to various pharmacy practice settings and patient outcomes. Prerequisite/Corequisite: Completion of all 500-level courses in the professional pharmacy program.
<b>**PHAR 631</b>	<b>Drug Information, Literature, and Research Methods</b> (3) Study of basic statistical analysis, study design, and literature assessment. Emphasis placed on comprehensive evaluation of published studies and development of research protocols. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the Professional pharmacy program.
<b>**PHAR 632</b>	<b>Professional Communications/Counseling</b> (3) Interactive course designed to guide pharmacy students in the development of effective counseling and communication skills. Three hours of lecture per week. Prerequisite/Corequisite: Completion of all 500-level courses in the professional pharmacy program.
<b>**PHAR 633</b>	<b>Pharmacotherapeutics II</b> (3) Organized lectures on rational drug therapy in acute and chronic disease states. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the professional pharmacy program.
<b>**PHAR 635</b>	<b>Prescription Practice</b> (3) Study of professional patient-focused services provided by pharmacists, including appropriate dispensing procedures. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the professional pharmacy program.
<b>PADM 634</b>	<b>Pharmacy Jurisprudence</b> (3) Legal basis for the practice of pharmacy and pharmacist's responsibilities and limits under the law. Three hours of lecture per week. Prerequisite/Corequisite: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.
<b>PHAR 640</b>	<b>Pharmacotherapy III - Immune System Disorders and Infectious Diseases</b> (4) Practice-based outcomes from pathophysiology, medicinal pharmacology, chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the immune system and infectious diseases. Prerequisite/Corequisite: Completion of all 500-level courses in the professional pharmacy program.
<b>PHAR 641</b>	<b>Pharmacotherapy IV - Respiratory System Disorders</b> (4) Practice-based outcomes from pathophysiology, pharmacology medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the respiratory system. Prerequisite/Corequisite: Completion of all 500-level courses in the professional pharmacy program.
<b>PHAR 642</b>	<b>Pharmacotherapy V- Gastrointestinal System Disorders</b> (4) Practice-based outcomes from pathophysiology, pharmacology, medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the gastrointestinal system. Prerequisite/Corequisite: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.
<b>PHAR 643</b>	<b>Pharmacotherapy VI- Endocrine System Disorders</b> (4) Practice-based outcomes from pathophysiology, pharmacology, medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the endocrine system. Prerequisite/Corequisite: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.

<b>PHAR 644</b>	<p><b>Pharmacotherapy VII- Integumentary System, Eye and Ear Disorders (4)</b>  Practice-based outcomes from pathophysiology, pharmacology, medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the eyes, ears, and integumentary system. Prerequisite/Corequisite: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.</p>
<b>PHAR 711</b>	<p><b>Biotechnology in Pharmacy (4)</b>  Basic principles and practical applications of molecular biological techniques in pharmaceutical development. Experimental, analytical, and production technologies discussed along with ethical implications. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.</p>
<b>PHAR 725</b>	<p><b>Adverse Drug Reaction (4)</b>  Designed to emphasize Adverse Drug Reaction (ADR) knowledge and competencies necessary in patient evaluation, literature evaluation, and implementation of effective ADR avoidance programs. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.</p>
<b>PHAR 741</b>	<p><b>Ambulatory Care Practice (4)</b>  Provision of pharmaceutical care to ambulatory patients and the pharmacist's role as a primary care provider. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.</p>
<b>PHAR 742</b>	<p><b>Applied Pharmacokinetics Practice (4)</b>  Provision of pharmacokinetics consultation to hospitalized patients and other members of the health care team. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.</p>
<b>PHAR 744</b>	<p><b>Clinical Toxicology Practice (4)</b>  Participation in clinical toxicology programs, poison control centers, and related programs. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program. ; and passage of P3 summative examination. .</p>
<b>PHAR 745</b>	<p><b>Community Pharmacy Practice (4)</b>  Participation in the delivery of pharmaceutical care services in a community pharmacy under the supervision of a licensed pharmacist/preceptor. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.</p>
<b>PHAR 746</b>	<p><b>Acute/Emergency Medicine (4)</b>  Provision of pharmaceutical care to critically ill patients admitted to an organized health care setting. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.</p>
<b>PHAR 747</b>	<p><b>Information Systems Management (4)</b>  Provision of drug information and consultation services to health care professionals, and patients. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.</p>
<b>PHAR 748</b>	<p><b>Geriatrics Practice (4)</b>  Provision of pharmaceutical care to patients admitted to geriatric services. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.</p>



<b>PHAR 749</b>	<b>Home Health Care Practice</b> Provision of pharmaceutical care to patients receiving home health care. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 751</b>	<b>Hospital Pharmacy Practice</b> Participation in the delivery of pharmaceutical care in an institutional setting. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program or consent of the instructor; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 752</b>	<b>Immune Pharmacology Practice</b> Provision of pharmaceutical care to patients admitted to the infectious diseases care service. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 753</b>	<b>Family Medicine</b> Provision of pharmaceutical care to patients admitted to the internal medicine, general medicine, and various practice setting services. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 754</b>	<b>Oncology Practice</b> Provision of pharmaceutical care to hospitalized and/or ambulatory oncology patients. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 755</b>	<b>Parenteral Nutrition</b> Provision of pharmaceutical care to patients receiving parenteral nutrition with some emphasis on enteral supplemental therapy. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 756</b>	<b>Pediatrics/Neonatology Practice</b> Provision of pharmaceutical care to patients admitted to pediatric and neonatal services or ambulatory care practice settings. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 757</b>	<b>Pharmacy Administration</b> Participation in the administrative aspects of institutional pharmacy practice and pharmacoeconomics. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 758</b>	<b>Psychiatry Practice</b> Provision of pharmaceutical care to patients admitted to psychiatry services in institutional and/ or ambulatory care practice settings. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 759</b>	<b>Surgery Practice</b> Provision of pharmaceutical care to patients admitted to surgical intensive care units. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 760</b>	<b>Cardiology</b> Structured pharmacy experience in an institutional acute and ambulatory care practice settings; dealing with patients having cardiovascular diseases and disorders. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>

<b>PHAR 761</b>	<b>Consulting Pharmacy Practice</b> Clinical pharmacy health care experience with a consultant pharmacist or in practice settings that provide consultant services. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 762</b>	<b>Managed Care Pharmacy Practice</b> Enhancement of student involvement in the managed care setting including hospitals, community, and the pharmaceutical industry. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 763</b>	<b>Nuclear Pharmacy Practice</b> Clinical pharmacy health care experience with patients undergoing nuclear pharmacy treatment. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 764</b>	<b>Pharmacoeconomics Practice</b> Principles for evaluating and conducting pharmacoeconomic studies, including cost effectiveness, cost utilization, cost minimization, and cost benefit ratios. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 765</b>	<b>Infusion Therapy</b> Provision of patient-centered care to patients receiving infusion therapy. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 766</b>	<b>Clinical Pharmacy</b> Participation in the delivery of patient-centered care services in an ambulatory clinic setting under the supervision of a licensed pharmacist/ preceptor. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 767</b>	<b>Compounding Pharmacy</b> Participation in compounding non-commercially available dosage forms for patients in the community setting. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 768</b>	<b>Nephrology</b> Structured pharmacy experiences in an institutional setting focusing on patients with documented potential renal insufficiency. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 769</b>	<b>Neurology</b> Provision of patient-centered care to patients with clinical presentation and common diseases/disorders of the neurological system and sensory organs. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 770</b>	<b>Pharmacy Community Management</b> Participation in the administrative aspects of community pharmacy practice. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 771</b>	<b>Seminar</b> Enhancement of student presentation skills on topics relevant to pharmacy practice. Prerequisite/ Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>

<b>PHAR 772</b>	<b>Research</b> Research experience in social and administrative sciences or pharmacy practice. Prerequisite/ Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 773</b>	<b>Organ Transplantation</b> Provision of patient-centered care to patients undergoing organ and/or tissue transplantation. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 774</b>	<b>Women's Health</b> Provision of patient-centered care to female patients in an institutional setting, including post partum, labor and delivery. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 775</b>	<b>Government/ Regulatory Agency</b> Structured experience in government/regulatory agencies affecting the practice of pharmacy. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 776</b>	<b>Disease State/ Formulary Management</b> Structured experiences in policy development, formulary management, and disease state management. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 777</b>	<b>Endocrinology</b> Structured pharmacy experience in an institutional setting focusing on patients with documented disorders of the endocrine system. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 779</b>	<b>Academic Pharmacy</b> Structured experience in activities pertaining to administration and instruction in pharmacy education. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(4)</b>
<b>PHAR 779</b>	<b>Academic Pharmacy</b> Structured experience in activities pertaining to administration and instruction in pharmacy education. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 725</b>	<b>Adverse Drug Reaction</b> Designed to emphasize Adverse Drug Reaction (ADR) knowledge and competencies necessary in patient evaluation, literature evaluation, and implementation of effective ADR avoidance programs. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 741</b>	<b>Ambulatory Care Practice</b> Provision of pharmaceutical care to ambulatory patients and the pharmacist's role as a primary care provider. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 742</b>	<b>Applied Pharmacokinetics Practice</b> Provision of pharmacokinetics consultation to hospitalized patients and other members of the health care team. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>

<b>PHAR 744</b>	<b>Clinical Toxicology Practice</b> Participation in clinical toxicology programs, poison control centers, and related programs. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination. .	<b>(6)</b>
<b>PHAR 745</b>	<b>Community Pharmacy Practice</b> Participation in the delivery of pharmaceutical care services in a community pharmacy under the supervision of a licensed pharmacist/preceptor. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 746</b>	<b>Acute/Emergency Medicine</b> Provision of pharmaceutical care to critically ill patients admitted to an organized health care setting. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 747</b>	<b>Information Systems Management</b> Provision of drug information and consultation services to health care professionals, and patients. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 748</b>	<b>Geriatrics Practice</b> Provision of pharmaceutical care to patients admitted to geriatric services. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 749</b>	<b>Home Health Care Practice</b> Provision of pharmaceutical care to patients receiving home health care. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 751</b>	<b>Hospital Pharmacy Practice</b> Participation in the delivery of pharmaceutical care in an institutional setting. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program or consent of the instructor; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 752</b>	<b>Immune Pharmacology Practice</b> Provision of pharmaceutical care to patients admitted to the infectious diseases care service. Prerequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 753</b>	<b>Family Medicine</b> Provision of pharmaceutical care to patients admitted to the internal medicine, general medicine, and various practice setting services. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 754</b>	<b>Oncology Practice</b> Provision of pharmaceutical care to hospitalized and/or ambulatory oncology patients. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 755</b>	<b>Parenteral Nutrition</b> Provision of pharmaceutical care to patients receiving parenteral nutrition with some emphasis on enteral supplemental therapy. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>

<b>PHAR 756</b>	<b>Pediatrics/Neonatology Practice</b> Provision of pharmaceutical care to patients admitted to pediatric and neonatal services or ambulatory care practice settings. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 757</b>	<b>Pharmacy Administration</b> Participation in the administrative aspects of institutional pharmacy practice and pharmacoeconomics. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 758</b>	<b>Psychiatry Practice</b> Provision of pharmaceutical care to patients admitted to psychiatry services in institutional and/ or ambulatory care practice settings. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 759</b>	<b>Surgery Practice</b> Provision of pharmaceutical care to patients admitted to surgical intensive care units. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 760</b>	<b>Cardiology</b> Structured pharmacy experience in an institutional acute and ambulatory care practice settings; dealing with patients having cardiovascular diseases and disorders. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 761</b>	<b>Consulting Pharmacy Practice</b> Clinical pharmacy health care experience with a consultant pharmacist or in practice settings that provide consultant services. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 762</b>	<b>Managed Care Pharmacy Practice</b> Enhancement of student involvement in the managed care setting including hospitals, community, and the pharmaceutical industry. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 763</b>	<b>Nuclear Pharmacy Practice</b> Clinical pharmacy health care experience with patients undergoing nuclear pharmacy treatment. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 764</b>	<b>Pharmacoeconomics Practice</b> Principles for evaluating and conducting pharmacoeconomic studies, including cost effectiveness, cost utilization, cost minimization, and cost benefit ratios. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 765</b>	<b>Infusion Therapy</b> Provision of patient-centered care to patients receiving infusion therapy. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 766</b>	<b>Clinical Pharmacy</b> Participation in the delivery of patient-centered care services in an ambulatory clinic setting under the supervision of a licensed pharmacist/ preceptor. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>

<b>PHAR 767</b>	<b>Compounding Pharmacy</b> Participation in compounding non-commercially available dosage forms for patients in the community setting. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 768</b>	<b>Nephrology</b> Structured pharmacy experiences in an institutional setting focusing on patients with documented potential renal insufficiency. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 769</b>	<b>Neurology</b> Provision of patient-centered care to patients with clinical presentation and common diseases/disorders of the neurological system and sensory organs. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 770</b>	<b>Pharmacy Community Management</b> Participation in the administrative aspects of community pharmacy practice. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 771</b>	<b>Seminar</b> Enhancement of student presentation skills on topics relevant to pharmacy practice. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 772</b>	<b>Research</b> Research experience in social and administrative sciences or pharmacy practice. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 773</b>	<b>Organ Transplantation</b> Provision of patient-centered care to patients undergoing organ and/or tissue transplantation. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 774</b>	<b>Women's Health</b> Provision of patient-centered care to female patients in an institutional setting, including post partum, labor and delivery. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 775</b>	<b>Government/ Regulatory Agency</b> Structured experience in government/regulatory agencies affecting the practice of pharmacy. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 776</b>	<b>Disease State/ Formulary Management</b> Structured experiences in policy development, formulary management, and disease state management. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>
<b>PHAR 777</b>	<b>Endocrinology</b> Structured pharmacy experience in an institutional setting focusing on patients with documented disorders of the endocrine system. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.	<b>(6)</b>

PHAR 778

**Pharmacy Benefit Management (PBM)**

**(6)**

Structured pharmacy experience in the management of pharmacy networks, drug utilization review outcomes management and disease management. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.

**Students participating in the experiential training program in pharmacy will be required to engage in a variable rotation schedule of professional practice experience activities in a variety of health care settings: community, retail, hospital, and other pharmaceutical specialties. Students are required to participate in introductory pharmacy practice experiences (IPPE) and complete a specified number of hours as designated by the program. Students participating in advanced pharmacy practice experiences (APPE) are required to complete a minimum of 40 hours per week. The duration of each advanced pharmacy practice experience course is six (6) weeks.**

\* Courses (500-level) will be phased out through implementation of the new Pharm.D. curriculum.

\*\* Courses (600-level) will be phased out through implementation of the new Pharm.D. curriculum.

CURRICULUM SUMMARY FOR DOCTOR OF PHARMACY DEGREE TOTAL CREDITS REQUIRED: 232		
CORE CURRICULUM* (STANDARD)	MAJOR (PHARMACY)	OTHER REQUIREMENTS
44 credits	142 credits	46 credits
ENG 131 (3)**	PHAR 421(2), PHAR 411(1)	BIOL 111 (1)
ENG 132 (3)	PHAR 433(3), PHAR 413(1)	BIOL 112 (1)
SC 233; 135 or 136 (3)	PHCH 441(4), PHAR 416 (1)	BIOL 131 (3)
MATH 136 (3)	PHAR 431 (3), PHAR 438 (3)	BIOL 132 (3)
CHEM 111, 131 (4)	PHAR 418 (1)	BIOL 245 (4)
CHEM 112, 132 (4)	PHAR 422 (2), PHAR 412 (1)	BIOL 347 (4)
ENG 200 Level (3)	PHAR 434 (3), PHAR 414 (1)	CHEM 211, 231 (4)
Visual & Performing Arts (3)***	PADM 430 (3), PHAR 417 (1)	CHEM 212, 232 (4)
HIST 231 (3)	PHAR 415 (1), PHAR 439 (3)	MATH 231 (3)
HIST 232 (3)	PHAR 419 (1)	MATH 241 (4)
POLS 231 (3)	PHAR 516 (1), PADM 531 (3)	PHYS 213 (1)
	PHAR 522 (2), PHAR 511 (1)	PHYS 237 (3)
	PHAR 539 (3), PHAR 519 (1)	PHAR 111 (1)+ Pre-Pharmacy elective
POLS 232 (3)	PHAR 538 (3), PHAR 518 (1)	PHAR 112 (1)+ Pre-Pharmacy elective
CS 116 (3)	PHAR 512 (1), PHAR 517 (1)	PHAR 211 (1)+ Pre-Pharmacy elective
Social & Behavioral Sciences (3)****	PHAR 532 (3), PHAR 542 (4)	PHAR 212 (1)
	PHAR 543 (4), PHAR 510 (1)	PADM 418 (1) ++
	PHAR 610 (1)	
	PHAR 618 (1), PHAR 640 (4)	PHAR 429 (2) ++
	PHAR 641 (4), PADM 630 (3)	HSMA 413 (3) ++
	PHAR 619 (1), PHAR 642 (4)	HSMA 414 (3) ++
	PHAR 643 (4), PHAR 644 (4)	FS 102 Freshman Seminar (1) +++
	PHAR 611 (1), PADM 634 (3)	
	<b>Advanced Pharmacy Practice Experiences (48 hrs)</b>	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Select from the following courses: THC 130, THC 230, MUSI 131, MUSI 239, ART 131, and ART 132.

\*\*\*\* Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.

+ Transfer students should contact pharmacy admissions office to request approved substitute course(s).

++ Elective courses. All students must complete at least four (4) semester credit hours of electives.

+++ FS 102, Freshman Seminar is a university requirement for first-time freshmen.

**Please see below for a listing of courses by semester.**



**College of Pharmacy and Health Sciences  
Texas Southern University  
Doctor Of Pharmacy Degree  
Six Year Degree Plan - Total Credits: 232**

Freshman Year	First Semester		Second Semester	
	BIOL 111 Biological Science I Laboratory	1	BIOL 112 Biological Science II Laboratory	1
	BIOL 131 Biological Science I, Lecture	3	BIOL 132 Biological Science II, Lecture	3
	CHEM 111 General Chemistry I Laboratory	1	CHEM 112 General Chemistry II Laboratory	1
	CHEM 131 General Chemistry I, Lecture	3	CHEM 132 General Chemistry II, Lecture	3
	CS 116 Computer Science	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	HIST 231 Social and Political History of the United States to 1877	3
	MATH 136 Precalculus Mathematics	3	MATH 241 Calculus and Analytic Geometry I	4
	FS 102 Freshman Seminar	1	PHAR 112 Pharmacy Orientation Pre-pharmacy elective	1
	PHAR 111 Pharmacy Orientation Pre-pharmacy elective	1		
	18-19 hrs		18 -19 hrs	

**REQUIRED SUMMER SEMESTER<sup>1</sup>**

Summer I Semester		Summer II Semester	
HIST 232 Social and Political History of the United States since 1877	3	POLS 231 American Political System I	3
POLS 232 American Political System II	3	Visual & Performing Arts Musi 131 or 239; Art 131 or 135, THC 130 or 231	3
	6 hrs		6 hrs

Sophomore Year	Third Semester		Fourth Semester	
	BIOL 245 Human Anatomy and Physiology	4	CHEM 212 Organic Chemistry II Laboratory	1
	CHEM 211 Organic Chemistry I Laboratory	1	CHEM 232 Organic Chemistry II, Lecture	3
	CHEM 231 Organic Chemistry I, Lecture	3	ENG 200 Level Literature	3
	PHYS 237 College Physics I	3	SC 233,135, 136	3
	PHYS 213 College Physics I Lab	1	BIOL 347 Microbiology	4
	MATH 231 Elementary Statistics	3	PHAR 212 Medical Terminology	1
	Social and Behavioral Sciences – PSY 131, ECON 231, SOC 157, 158, 221,238	3		
	PHAR 211 Pharmacy Applications Pre-pharmacy elective	1		
		18 -19 hrs		15 hours

Third Year- First Professional Year	Fall Semester		Spring Semester	
	PHAR 421 Pharmacy Practice I Professional Communication	2	PHAR 422 Pharmacy Practice II Dispensing of Medication	2
	PHAR 411 Pharmacy Practice I Lab	1	PHAR 412 Pharmacy Practice II Lab	1
	PHAR 433 Pharmaceutics I Pharmacy Calculations	3	PHAR 434 Pharmaceutics II Dosage Forms	3
	PHAR 413 Pharmaceutics I Lab	1	PHAR 414 Pharmaceutics II Lab	1
	PHCH 441 Biochemistry in Human Disease	4	PADM 430 Ethics in Pharmacy	3
	PHAR 416 IPPE I – Public Health/Service Learning	1	PHAR 417 IPPE II – Shadowing, Community	1
	PHAR 431 Biostatistics and Research Design	3	PHAR 415 Introduction to Public Health	1
	PHAR 438 Principles of Drug Action I	3	PHAR 439 Principles of Drug Action II	3
	PHAR 418 Principles of Drug Action I Lab	1	PHAR 419 Principles of Drug Action II Lab	1
		19 hrs		16 hrs

Fourth Year- Second Professional Year	Fall Semester		Spring Semester	
	PHAR 516 IPPE III – Community	1	PHAR 512 Patient Assessment Lab	1
	PADM 531 Pharmacoeconomics and Outcomes	3	PHAR 517 IPPE IV – Elective Pharmacy/ Community	1
	PHAR 522 Pharmacy Practice III – Special Populations	2	PHAR 532 Drug Information and Literature Evaluation	3
	PHAR 511 Pharmacy Practice III Lab	1	PHAR 542 Pharmacotherapy I Nervous System Disorders	4
	PHAR 539 Pharmaceutics III- Pharmacokinetics	3	PHAR 543 Pharmacotherapy II Cardiovascular and Urinary Systems Disorders	4
	PHAR 519 Pharmaceutics III – Recitation	1	PHAR 510 Pharmacotherapy Skills Lab I	1
	PHAR 538 Principles of Drug Action III	3		
	PHAR 518 Principles of Drug Action III Lab	1		
		15 hrs		14 hrs

Fifth Year-Third Professional Year	Fall Semester		Spring Semester	
	PHAR 618 IPPE V – Health Care Systems	1	PHAR 619 IPPE VI Health Care Systems	1
	PHAR 640 Pharmacotherapy III Immune System Disorders and Infectious Diseases	4	PHAR 642 Pharmacotherapy V - Gastrointestinal System Disorders	4
	PHAR 641 Pharmacotherapy IV – Respiratory System Disorders	4	PHAR 643 Pharmacotherapy VI – Endocrine System Disorders	4
	PHAR 610 Pharmacotherapy Skills Lab II	1	PHAR 644 Pharmacotherapy VII - Integumentary System, Eye and Ear Disorders	4
	PADM 630 Pharmacy Practice Management	3	PHAR 611 Pharmacotherapy Skills Lab III	1
			PADM 634 Jurisprudence	3
		13 hrs		17 hrs

REQUIRED SUMMER TERM<sup>2</sup>

Advanced Pharmacy Practice Experience (as approved)	12
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Sixth Year-Fourth Professional Year	Fall Semester		Spring Semester	
	Advanced Pharmacy Practice Experience	18 hrs	Advanced Pharmacy Practice Experience-	18 hrs

<sup>1</sup> A summer term is required to complete the pre-pharmacy curriculum in two years.

<sup>2</sup>A summer term is required to complete the Pharm.D. curriculum

## DEPARTMENT OF HEALTH SCIENCES

The Department of Health Sciences offers five (5) baccalaureate or undergraduate degrees: **the Bachelor of Science in Environmental Health, the Bachelor of Science in Health Administration, the Bachelor of Science in Health Information Management, the Bachelor of Science in Clinical Laboratory Science (Medical Technology), and the Bachelor of Science in Respiratory Therapy**. Each degree program has a Program Director, and courses specific to each program are offered through the Department under the following designations: HSEH (Environmental Health), HSHA (Health Administration), HSHI (Health Information Management), CLSC (Clinical Laboratory Science), and HSRT (Respiratory Therapy). Student majors within the Health Sciences are required to complete three to six HSCR (Health Sciences Core) courses, which are also offered through the Department.

The Department of Health Sciences is housed in the Nabrit Science Center with the main office located in Room 202. The Department supports the primary mission of the College: to produce quality health care professionals, especially African-Americans and other minorities, in Environmental Health, Health Administration, Health Information Management, **Clinical Laboratory Science** and Respiratory Therapy.

The **Environmental Health Program** provides graduates with the technical and administrative skills to function in industry, governmental agencies, consulting firms, and academia. Graduates are qualified to enter the workforce in air and water quality control, solid and hazardous waste management, occupational health and industrial hygiene, environmental toxicology and risk assessment, epidemiology, and disease surveillance.

The **Health Administration Program** provides graduates with the competencies and skills to become effective administrators, managers and supervisors for goal-oriented achievements in health delivery systems. Graduates are also prepared to function effectively in response to trends, issues, emergent problems, and other concerns that affect the health, and welfare of clients and self-actualization of segments of the population.

The **Health Information Management Program** provides graduates with the technical and administrative skills to manage health information systems consistent with professional standards (medical, administrative, ethical, and legal) in health care delivery systems. Graduates also possess the knowledge and skills needed to plan and develop health information systems which meet standards of accrediting and regulating agencies.

The **Clinical Laboratory Science (formerly Medical Technology)** Program provides graduates with the technical and administrative skills required for the effective delivery of health care services consistent with the practices and standards of Clinical Laboratory Science. Graduates are prepared and qualified to perform evaluations of testing techniques, procedures, and personnel; to perform analytical testing of body samples; and to resolve discrepancies with the interpretation of diagnostic laboratory patient data. Graduates also possess the capabilities needed for public education, as well as for planning and developing clinical laboratory facilities that meet the standards of accrediting and governmental regulatory agencies.

The **Respiratory Therapy Program** provides graduates with the technical and administrative skills for performing diagnostic evaluation, therapy, patient/family education, and public education in cases of cardiopulmonary dysfunction. Graduates have the skills to perform diagnostic activities such as obtaining and analyzing physiological specimens, interpreting physiological data, and performing sleep disorder studies. They also have the skills for administering therapy involving such techniques as the application and monitoring of mechanical ventilation, environmental control systems, artificial airway care, and cardiopulmonary rehabilitation. These graduates have the further capability of conducting patient/family education activities that promote knowledge of disease processes, medical therapy, and self-help as well as public education activities that focus on the promotion of cardiopulmonary wellness.

Courses offered through the Department, curricular summaries for the various degrees, and the sequences in which program-specific courses and their primary prerequisite and co-requisite courses should be taken are indicated below.

**Students should refer to program admission policies, comprehensive examination information, and other important information regarding the various B.S. degrees offered through this department within the College of Pharmacy and Health Sciences introductory section of this document.**

**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Allen, Reginald</b>  <b>Instructor</b>  <b>Respiratory Therapy</b>                      B.S., M.Ed., Texas Southern University</p>	<p><b>Quiller, Dorothy</b>  <b>Assistant Professor</b>  <b>Clinical Laboratory Science</b>                      B.S., M.Ed., Texas Southern University</p>
<p><b>Bright, Mildred</b>  <b>Assistant Professor</b>  <b>Health Administration</b>                      B.S., Prairie View A&amp;M University                      M.Ed., Texas Southern University                      Dr.P.H., The University of Texas at Houston</p>	<p><b>Rasmus, Monica L.</b>  <b>Assistant Professor</b>  <b>Health Administration</b>                      B.S., Baylor University                      M.Ed, University of Houston                      M.P.H., Dr.P.H., The University of Texas School of Public Health</p>
<p><b>Hampton, Jean M.</b>  <b>Associate Professor</b>  <b>Respiratory Therapy</b>                      B.S., M.S., Ph.D., Texas Southern University</p>	<p><b>Shelton, Andrea</b>  <b>Professor</b>  <b>Health Administration</b>                      B.A., Howard University                      M.A., University of South Florida                      Ph.D., University of Pittsburgh</p>
<p><b>Hawkins, Fanny</b>  <b>Assistant Professor</b>  <b>Health Information Management</b>                      B.S., University of Southwestern Louisiana                      M.P.A., Ed.D., Texas Southern University</p>	<p><b>Taylor, Andrew</b>  <b>Instructor</b>  <b>Respiratory Therapy</b>                      B.S., M.S., Texas Southern University</p>
<p><b>James, Andrew B.</b>  <b>Assistant Professor</b>  <b>Health Administration</b>                      Dr.P.H., The University of Texas at Houston                      J.D., Texas Southern University                      L.L.M., University of Houston</p>	<p><b>Thomas, Renard</b>  <b>Associate Professor</b>  <b>Environmental Health</b>                      B.S., University of Houston                      M.S., Ph.D., Texas Southern University</p>
<p><b>Lawson, Melanie W.</b>  <b>Associate Professor</b>  <b>Health Administration</b>                      M.P.H., The University of Texas at Houston                      Ph.D., University of Houston</p>	<p><b>Yeldell, Victor</b>  <b>Instructor</b>  <b>Respiratory Therapy</b>                      B.S., Texas Southern University                      M.S., Mercer University</p>
<p><b>Mazique, Judith B.</b>  <b>Assistant Professor</b>  <b>Environmental Health</b>                      B.S., Howard University                      M.P.H., The University of Texas at Houston                      J.D., South Texas College of Law</p>	<p><b>Yousefipour, Zivar</b>  <b>Associate Professor</b>  <b>Environmental Health</b>                      B.S., M.S., University of Houston                      Ph.D., Texas Southern University</p>
<p><b>McVea, Jackie</b>  <b>Assistant Professor</b>  <b>Clinical Laboratory Science</b>                      B.S., M.Ed., Ed.D., Texas Southern University</p>	<p><b>Zikarge, Astatkie</b>  <b>Assistant Professor</b>  <b>Environmental Health</b>                      B.S., M.S., East Tennessee State University                      M.P.H., The University of Texas School of Public Health                      M.D., St. George's University School of Medicine</p>

## HEALTH SCIENCES CORE COURSES

- HSCR 150**                      **Concepts of Health**    **(3)**  
Study of the health care industry and its transition from the past to the present via the scientific process and analysis of relationships among selected health problems. Three hours of lecture per week.
- HSCR 260**                      **Biomedical Ethics**    **(3)**  
Comprehensive study of ethical rules, principles, and theories; their application to contemporary moral issues/dilemmas; and their impact on the legal, social, and medical communities. Three hours of lecture per week. Prerequisite: HSCR 150 or concurrent enrollment.
- HSCR 300**                      **Health Sciences Seminar**    **(1)**  
Review of current social, political, and economics issues; their impact on specific health disciplines via discussions, simulations, and presentations. One hour of lecture per week. Prerequisite: HSCR 150 or concurrent enrollment.
- HSCR 360**                      **Principles of Disease**    **(3)**  
HSCR 360 is a comprehensive study of principles and concepts in human disease focusing on bio-mechanistic processes involved in disease, and the clinical, social, environmental and other influences on the occurrence, manifestations and relevant trends of human disease and disorder. Disease etiology, pathogenesis, treatment, prognosis, social implications and research initiatives relative to humans are stressed. Community and public health and wellness are reviewed. Three hours per week.
- HSCR 361**                      **Research for Health Professionals**    **(3)**  
Study of the basic techniques and the principles of the research process in health facilities. Enrollees must perform quantitative health research using computer applications. Three hours of lecture per week.

## ENVIRONMENTAL HEALTH COURSES

- HSEH 232**                      **Introduction to Environmental Health**    **(3)**  
Survey of topics in population and resource management, fundamentals of air and water pollution, solid and hazardous wastes, pest and vector control, and radiation protection. Open to majors and non-majors. Three lecture hours per week. Prerequisites: Consent of faculty.
- HSEH 233**                      **Epidemiology and Biostatistics**    **(4)**  
Principles of distribution and determinants of diseases in human populations, including statistical methods and computer applications in data collection and analysis. Four hours of lecture per week. Prerequisites: HSEH 232 or Consent of faculty.
- HSEH 234**                      **Health Physics**    **(3)**  
Fundamentals of ionizing and non-ionizing radiation with respect to source, exposure dose, biological interaction, methods of surveillance, and protection. Three hours of lecture per week. Prerequisites: HSEH 232 or Consent of faculty.
- HSEH 235**                      **Human Ecology**    **(3)**  
Principles of environmental physiology; medical geography and sociology; international and travel health; adaptation mechanisms to extremes of temperature, pressure, altitude, and microgravity; circadian rhythms. Three hours of lecture per week. Prerequisites: HSEH 232 or Consent of faculty.
- HSEH 334**                      **Public Health Organization and Administration**    **(3)**  
Principles of organization and administration of environmental health programs by governmental agencies, including disease surveillance and health data management, environmental policy and ethics, and health education. Three hours of lecture per week. HSEH 232 or Consent of faculty.

- HSEH 337**                      **Environmental Microbiology**                      (4)  
 Survey of microorganisms of ecological, medical, and industrial importance with respect to nutrient recycling, food spoilage, infectious diseases, and biotechnology. Two hours of lecture and four hours of laboratory per week. Prerequisites: HSEH 233; HSEH 344 or Consent of faculty.
- HSEH 338**                      **Water Pollution and Control**                      (3)  
 Survey of chemical, physical, and biological pollutants affecting water quality for drinking and other designated end uses. Pollution monitoring and control strategies also discussed. Three hours of lecture per week. Prerequisites: HSEH 337 or Consent of faculty.
- HSEH 339**                      **Air Pollution and Control**                      (3)  
 Survey of ambient and indoor air quality changes due to toxic emissions. Atmospheric chemistry and meteorology, standard air pollution indicators, global climate changes, and control strategies discussed. Three hours of lecture per week. Prerequisites: HSEH 232 or Consent of faculty.
- HSEH 344**                      **Environmental Chemistry**                      (4)  
 Comprehensive survey of behavior and fate of chemical pollutants in atmosphere, hydrosphere, geosphere, and biosphere, including standard methods of chemical analysis of environmental media. Three hours of lecture and one hour of laboratory per week. Prerequisites: HSEH 232 or Consent of faculty.
- HSEH 425**                      **Insect and Vector Control**                      (3)  
 Comprehensive survey of agricultural and urban pests, disease transmitting vectors and their habitat, principles of entomology, parasitology and zoonoses, integrated vector control, and pest management. Three hours of lecture per week. Prerequisites: HSEH 232 or Consent of faculty.
- HSEH 431**                      **Solid Waste Management**                      (3)  
 Municipal solid waste problems and solutions: generation, storage, collection, transport, processing, and disposal. Three hours of lecture per week. Prerequisites: HSEH 337 or Consent of faculty
- HSEH 432**                      **Hazardous Waste Management**                      (3)  
 Industrial, medical, and household hazardous waste problems and solutions: generation, characterization, transport, storage, treatment, and disposal. Minimization, exchange, recovery, incineration, and secure landfills discussed. Three hours of lecture per week. Prerequisites: HSEH 232, HSEH 337 or Consent of faculty
- HSEH 433**                      **Institutional Health and Safety**                      (3)  
 Study of safety hazards, building permits and codes of residential, school, hospital, day-care, and penal institutions. Sick building syndrome, emergency planning, and accommodation of disabled persons discussed. Three hours of lecture per week. Prerequisites: HSEH 235 or Consent of faculty.
- HSEH 434**                      **Sewage Treatment and Disposal**                      (3)  
 Industrial, agricultural, and municipal wastewater collection, transport, treatment, and disposal. Design and operation of sewage treatment plants, on-site and waterless systems, and sludge management discussed. Three hours of lecture per week. Prerequisites: HSEH 344 or Consent of faculty.
- HSEH 435**                      **Environmental Health Problems**                      (3)  
 Global environmental issues: famine and starvation, environmental refugees, environmental justice and equity, hazardous waste sites, housing and urban blight, crime and substance abuse. Three hours of lecture per week. Prerequisites: HSEH 232; HSEH 233 or Consent of faculty.

- HSEH 442 Occupational Safety and Health (3)**  
Hazard and root cause analysis, occupational injuries and control of workplace hazard exposures. Fundamentals of regulations of OSHA, workers compensation, occupational disease surveillance, hazard communication, and accident investigation discussed. Three hours of lecture per week. Prerequisites: HSEH 232 or Consent of faculty.
- HSEH 450 Environmental Toxicology (3)**  
Comprehensive survey of principles of toxicodynamics and toxicokinetics; xenobiotic dispersal and ecosystem response; exposure pathways and target organs; mechanisms of toxicity; toxicity testing for mutagenesis, carcinogenesis, and teratogenesis. Three hours of lecture per week. Prerequisites: HSEH 344 or Consent of faculty.
- HSEH 451 Environmental Impact Assessment (3)**  
Consideration of environmental impacts and risks of legislative proposals, policies, programs, and projects following NEPA regulations: qualitative/quantitative risks, identification, characterization, exposure assessment, dose-response determination, interpretation, communication, and management. Three hours of lecture per week. Prerequisites: HSEH 232 or Consent of faculty.
- HSEH 460 Internship (6)**  
Field practicum in industry, governmental agencies, consulting firms, and academic research facilities providing observation and participation in the practice of environmental health programs. Twenty-two hours of laboratory (practicum) per week. Prerequisite: Consent of faculty.

#### HEALTH ADMINISTRATION COURSES

- HSHA 211 Health Information Systems (3)**  
Overview of the methods for collecting health data in the preparation of health surveys and reports with computer research applications emphasized. Three hours of lecture per week. (Fall course.) Prerequisites: HSCR 150, Eng 131, and Eng 132.
- HSHA 262 Public Policy and Health Care (3)**  
Overview of major national and state health legislation related to health policy. Three hours of lecture per week. (Spring course.)
- HSHA 312 Health Administration in School Systems (3)**  
Examination of health related issues within School Districts where enrollees are provided an opportunity to perform projects related to enhancing school health settings. Three hours of lecture per week. (Fall course.) Prerequisites: HSHA 211 & HSHA 262.
- HSHA 313 Health Care of the Poor (3)**  
Examination of health care issues affecting the underserved, underprivileged, uninsured, the working underinsured, and the poor within the health care system. Three hours of lecture per week. (Fall course.) Prerequisites: HSHA 211 & HSHA 262.
- HSHA 314 Finance and Economics of Health Care (3)**  
Overview of health care financial and economic concepts in health care related facilities. Three hours of lecture per week. (Spring course.) Prerequisites: HSHA 312 & HSHA 313.
- HSHA 361 Long Term Care (3)**  
Introductory examination of health issues on the rehabilitation and continuing care level: nursing homes, geriatric wellness centers, and homes for the mentally impaired. Three hours of lecture per week. (Fall course.) Prerequisites: PA 271, HSHA 211 & HSHA 262.



- HSHA 363**                      **Ambulatory Health Care Services**                      **(3)**  
Examination of outpatient health care delivery settings: ambulatory surgery centers, fitness centers, clinics, and HMO's. Three hours of lecture per week. (Spring course.) Prerequisites: HSCR 360 & HSHA 313.
- HSHA 411**                      **Health Administration Internship**                      **(3)**  
Health Administration capstone course. Direct exposure of students to professional work experiences and responsibilities through workplace settings. Combination of lecture and site work experience totaling 220 hours. (Fall and Spring course.) Prerequisites: Enrollment contingent upon enrollment in no more than two classes needed to complete degree requirements. Consent of Student's Advisor and Course Instructor.
- HSHA 412**                      **Legal, Ethical, and Biomedical Aspects of Health Care**                      **(3)**  
Examination of issues in health care from an ethical, medical, sociological, and legal perspective. Three hours of lecture per week. (Fall course.) Prerequisite: HSCR 360 & HSHA 314.
- HSHA 413**                      **Seminar in Community Health**                      **(3)**  
Examination of state, local, and community health care issues; includes the roles of various health agencies. Three hours of lecture per week. (Fall course.) Prerequisite: HSCR 300.
- HSHA 414**                      **Seminar in Issues in Health Care**                      **(3)**  
Study of health care issues. Three hours of lecture per week. (Fall and Summer course) Prerequisites: HSCR 300.
- HSHA 451**                      **Health Care of the Aged**                      **(3)**  
Detailed review of current and future issues in the delivery of health care services for the aged, for interdisciplinary students. Three hours of lecture per week. (Fall course). Prerequisites: HSHA 300 level courses.

#### **HEALTH INFORMATION MANAGEMENT COURSES**

- HSHI 362**                      **Medical Terminology/Word Processing**                      **(3)**  
Designed to extensively develop the student's medical vocabulary: Greek and Latin prefixes, suffixes, word roots, and combining forms used to build medical terms. Three hours of lecture per week. Prerequisites: BIOL 135 and BIOL 136.
- HSHI 363**                      **Basic Foundations I**                      **(3)**  
Introduction to health information systems and technology; assessment of institutional and patient-related information needs; departmental, informational, service, and operational needs. Three hours of lecture per week. Prerequisite: HSCR 150.
- HSHI 363L**                      **Basic Foundations Laboratory**                      **(2)**  
Designed to simulate a health information department with the activities of health information management. Concurrent enrollment in HSHI 363 required. Prerequisite: HSCR 150. Six hours of laboratory per week.
- HSHI 364**                      **Management of Health Data I**                      **(3)**  
Indexes and registries; nomenclature and classification systems; data abstraction; departmental operations and services. Three hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 365, and HSHI 366.
- HSHI 364L**                      **Management of Health Data Laboratory**                      **(2)**  
Simulated activities where students are given the opportunity to practice coding diagnoses and procedures from actual medical records using computer technology. Six hours of laboratory per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 365, and HSHI 366.

<b>HSHI 365</b>	<b>Directed Practice I</b> Students assigned to Health Information Management Departments for experiences in the technical aspects of health information management. Two hours of lecture and one hour of laboratory per week. Prerequisites: BIOL 135 and BIOL 136.	<b>(2)</b>
<b>HSHI 366</b>	<b>Legal Aspects</b> Legal terminology; the court system; control and use of health information; health care legislation and regulations; confidentiality; ethical standards for health information managers. Two hours of lecture per week. Prerequisites: HSCR 150 and HSCR 260.	<b>(2)</b>
<b>HSHI 373</b>	<b>Basic Foundations II</b> Management of health information in non-traditional settings: long-term care, ambulatory care, hospices, home health care, psychiatric centers, and rehabilitation facilities. Two hours of lecture per week. Prerequisites: HSHI 363 and HSHI 363L.	<b>(2)</b>
<b>HSHI 374</b>	<b>Management of Health Data II</b> Clinical coding procedures, outpatient coding, statistics, and reporting guidelines. Two hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.	<b>(2)</b>
<b>HSHI 401</b>	<b>In-Service Training for Health Information Managers</b> Presentation of in-service training tools and techniques. One hour of lecture per week. Prerequisite: HSHI 479.	<b>(1)</b>
<b>HSHI 402</b>	<b>Comprehensive Health Information Management</b> Review of competencies addressed in all professional courses. Students enrolled must pass a comprehensive examination with a score of 75 or better prior to graduation. Prerequisites: Completion of all HSCR and HSHI courses, except HSHI 476 and HSHI 478.	<b>(1)</b>
<b>HSHI 473</b>	<b>Quality Assurance Management</b> Theory and application of quality improvement, utilization review, risk management, Medicare and Medicaid review process, and other laws and regulations applicable to health information systems. Three hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.	<b>(3)</b>
<b>HSHI 474</b>	<b>Computerized Health Information Systems</b> Evaluation of hardware and software components of computers for health information systems: design and cost effectiveness, record linkages, and data sharing. Three hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.	<b>(3)</b>
<b>HSHI 475</b>	<b>Directed Practice II</b> Students assigned to a health information management center for experiences in quality improvement, computer applications, classification systems, and statistical analysis of health information. One hour of lecture, one hour of laboratory, independent study per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.	<b>(3)</b>
<b>HSHI 476</b>	<b>Preceptorship</b> Students assigned to a health information center for administrative management training. Individual projects assigned for completion at site. One hour of lecture and ten hours of laboratory per week. Prerequisite: Consent of the Program Director.	<b>(4)</b>
<b>HSHI 477</b>	<b>Management of Health Information Systems</b> Theories of managerial concepts and control mechanisms as applied to health information systems. Four hours of lecture per week. Prerequisites: All HSHI courses through HSHI 475.	<b>(4)</b>

- HSHI 478**                    **Problems in Medical Records / Health Information Management**                    (2)  
 Problem identification and resolution, including formulation of alternative solutions, for health information management. Post-preceptorship discussions also included. Two hours of lecture per week. Prerequisite: Consent of the Program Director.
- HSHI 479**                    **Health Information Personnel Management**                    (3)  
 Discussion of the skills, techniques, policies, and procedures needed for successful human resource management: interview process, performance appraisals, wage and salary administration. Three hours of lecture per week. Prerequisites: All HSHI courses through HSHI 475.

### CLINICAL LABORATORY SCIENCE COURSES

- CLSC 252**                    **Serology Practices and Procedures**                    (2)  
 Integration of didactic instruction with discussion of serology tests in normal and disease states, principles and significance of procedures, quality control, audiovisual and case studies to provide a comprehensive understanding of serologic practices and procedures in evaluating disorders of the immune system, infectious diseases, autoimmune disease and hypersensitivity states. Two hours of lecture weekly. Prerequisite: Consent of Program Director.
- CLSC 252L**                    **Serology Practices and Procedures Laboratory**                    (1)  
 Course provides students with a simulated clinical laboratory experiences in processing patient specimens, performing selected tests/analyze specimens, report results and correlate test results with pathologic diseases/conditions. Three hours of laboratory weekly. Co-requisite: concurrent enrollment in HSCL 252 lecture. Prerequisite: Consent of Program Director.
- CLSC 304**                    **Clinical Laboratory Science Application I**                    (1)  
 The course integrates didactic instruction with case studies and performance of laboratory procedures to provide a comprehensive understanding of clinical laboratory policies and procedures inclusive of an overview of the profession, phlebotomy, laboratory safety, compliance and regulatory agencies. One hour of lecture per week.
- CLSC 305**                    **Clinical Laboratory Science Application II**                    (1)  
 The course is designed to provide an orientation to the theory and required skills in education methodology, laboratory information systems, laboratory calculation and quality assurance. One hour of lecture per week.
- CLSC 306**                    **Comprehensive Clinical Laboratory Science**                    (1)  
 This course will provide exposure to laboratory management as well as research skills and techniques. Research class will culminate in a presentation of the clinical research. Additionally there will be reinforcement of theoretical acquisition of core knowledge in CLS to facilitate application to board type questions. The class will be repeated with the first semester of the senior year covering management and the second semester of the senior year covering research. One hour of lecture per week. Prerequisites: HSCR 300 or concurrent enrollment, HSCL 304 and HSCL 305.
- CLSC 352**                    **Hematology I**                    (3)  
 The theory of development of cellular elements of the blood including principles of diagnostic importance to detect disease and recognize normal processes affecting the anemias, leukemias, etc. of the hematopoietic system. Three hours of lecture weekly. Prerequisite: Acceptance into the program and consent of Program Director.
- CLSC 352L**                    **Hematology Laboratory I**                    (1)  
 Routine laboratory assay used to assess the hematopoietic system related to the detection, identification, and pathophysiology of anemias, leukemias, and other blood dyscrasias. Four hours of laboratory weekly. Prerequisite: Co-requisite and concurrent enrollment in HSCL 352 Lecture.

<b>CLSC 353</b>	<b>Clinical Microscopy and Quality Control</b> (3) An introduction to urinalysis and body fluid analysis, including anatomy and physiology of the kidney, physical, chemical and microscopic examination of urine, cerebrospinal fluid and other body fluid; inclusive of theory, performance and interpretation of procedures involving the physical, chemical and microscopic properties of urine and body fluids. Three hours of lecture weekly Prerequisite: Consent of Program Director.
<b>CLSC 353L</b>	<b>Clinical Microscopy and Quality Control Laboratory</b> (1) Simulated clinical laboratory experiences in which students process patient specimens, perform selected tests, report results, correlate data with various pathologic diseases/conditions; enhance critical thinking and decision making in the correlation of patient data. Four laboratory hours weekly. Prerequisite: Consent of Program Director.
<b>CLSC 354</b>	<b>Immunoematology I</b> (2) The course is a comprehensive study that focuses on regulatory agencies, quality assurance policies and practices, basic principles of immunology and genetics (inclusive of molecular genetics), antigen and antibody theory, in-vitro practices, anti-globulin testing and compatibility testing relevant to blood banking and safe transfusion practices. Critical thinking and analytical skills will be increased via case studies. Two hours of lecture weekly. Prerequisite: Acceptance into the CLS program and consent of Program Director.
<b>CLSC 354L</b>	<b>Immunoematology I Laboratory</b> (1) Student will apply the acquisition of blood banking knowledge and of analytical and critical thinking skills through the performance of blood banking testing procedures. Quality assurance and quality control practices and testing procedures will be performed. Safety issues and practices will be emphasized. Three hours of laboratory weekly. Prerequisite: Co-requisite and concurrent enrollment in HSCL 354.
<b>CLSC 355</b>	<b>Medical Chemistry I</b> (2) Course focuses on basic clinical chemistry practices and procedures designed to provide a comprehensive understanding of subject matter and correlate test results with various diseases/conditions. Two hours of lecture weekly. Prerequisite: Acceptance into the CLS Program or consent of Program Director.
<b>CLSC 355L</b>	<b>Medical Chemistry Laboratory I</b> (1) Course provides students with the opportunity to process patient specimens, perform selected tests, report and correlate test results with various pathologic diseases/conditions and gain experience in quality control, performance improvement, critical thinking, decision making and test correlation. Four hours of laboratory weekly. Prerequisite: Co-requisite and concurrent enrollment in HSCL355.
<b>CLSC 356</b>	<b>Hemostatic Processes</b> (3) The theory of the coagulation mechanism and its relationship in disease states with emphasis on identification of coagulation deficiencies and abnormalities. Enhancement of critical thinking and decision making utilizing case studies and correlation of patient data. Three hours of lecture weekly. Prerequisite: Consent of Program Director.
<b>CLSC 356L</b>	<b>Hemostatic Processes Laboratory</b> (1) Routine laboratory assay used to assess the health of the hemostatic system relating to the detection, identification and pathophysiology of blood dyscrasias affecting thrombus formation inclusive of platelet enumeration and evaluation. Four hours of laboratory weekly. Prerequisite: Co-requisite and concurrent enrollment in HSCL 356.
<b>CLSC 357</b>	<b>Practicum I</b> (3) Performance of serological and urinalysis techniques and methods in an affiliated clinical facility. Includes quality assurance practices and procedures and equipment maintenance. Fifteen hours of laboratory per week. Prerequisite: Consent of the Program Director and fourth year standing.

<b>CLSC 358</b>	<b>Clinical Immunology</b> (2) Clinical rotation in an affiliated clinical facility with emphasis on technical skills and applications. Ten hours of laboratory per week. Prerequisite: Consent of the Program Director.
<b>CLSC 359</b>	<b>Microbial Human Disorders I</b> (3) Skills development and performance in the detection, isolation, and identification of microbes of medical importance to human pathologic conditions. One hour of lecture and four hours of laboratory per week. Prerequisites: HSCL 252, HSCL 252L.
<b>CLSC 362</b>	<b>Hematology II</b> (2) Advance theory in hematology focusing on routine and specialized processes required to perform, interpret, classify and evaluate cellular abnormalities and recognize those conditions that are considered normal. Case studies are utilized to enhance the development of critical thinking and decision making skills. Two hour lecture weekly. Prerequisites: HSCL 352 and HSCL 352L.
<b>CLSC 362L</b>	<b>Hematology II Laboratory</b> (1) Routine and specialized testing are used to define, diagnose, monitor, evaluate, classify, and validate patient data in the assessment of blood cell abnormalities of the hematopoietic system. Four laboratory weekly. Prerequisites: HSCL 352; HSCL 352L; co-requisite and concurrent enrollment in HSCL 362.
<b>CLSC 364</b>	<b>Immunoematology II</b> (2) A continuation of knowledge and skills acquired in blood bank, blood donor collection, testing, utilization and storage of blood and blood components. Transfusion therapy practices, adverse complications of transfusion therapy, Hemolytic Disease of the fetus and newborn, and hemolytic anemias will be explored; Case studies will be utilized to enhance critical thinking and analytical skills. Two lecture hours weekly. Prerequisite: HSCL 354; HSCL 354L. Co-requisite and concurrent enrollment in HSCL364L.
<b>CLSC 364L</b>	<b>Immunoematology II Laboratory</b> (1) An advanced level of testing procedures will be performed in this course. Students will demonstrate the acquisition of blood banking knowledge, analytical and critical thinking skills through the performance of blood banking testing procedures. Quality assurance practices, including quality control testing will be performed. Safety issues and practices are emphasized. Four laboratory hours weekly. Prerequisite: HSCL 354; HSCL 354L. Co-requisite: Concurrent enrollment in HSCL 365.
<b>CLSC 365</b>	<b>Medical Chemistry II</b> (2) Advance specialized clinical chemistry to provide the opportunity to process patient specimens, perform selected tests, report and correlate test data with various pathologic disease/conditions and gain experience in quality control, performance improvement, critical thinking, decision making and test correlation. Two hours of lecture weekly. Prerequisites: HSCL 355 and HSCL 355L.
<b>CLSC 365L</b>	<b>Medical Chemistry II Laboratory</b> (1) Course will focus on opportunities to process patient samples, perform required tests, report and correlate patient test data with various diseases/conditions inclusive of quality control, performance improvement, critical thinking and decision making. Four hours of laboratory weekly Prerequisites: HSCL 355and HSCL 355L; Co-requisite: HSCL 365 lecture.
<b>CLSC 369</b>	<b>Microbial Human Disorders II</b> (2) Recognition of parameters to detect, isolate, and identify the characteristics of medically important microbiologic, mycologic, and parasitic organisms of man. One hour of lecture and four hours of laboratory per week. Prerequisite: <b>HSCL 359</b> .

- CLSC 466**                    **Clinical Hematology**                    (4)  
 Clinical practicum in an affiliated clinical facility with emphasis on practical/technical skills and applications. Two hours of lecture and eighteen hours of laboratory per week. Prerequisites: Fourth year standing and consent of the Program Director.
- CLSC 467**                    **Blood Bank**                    (4)  
 Clinical practicum focusing on the performance of antibody assessments, compatibility phlebotomy, component preparation, donor processing of donated blood, and quality assurance. Two hours of lecture and eighteen hours of laboratory per week. Prerequisites: Fourth year standing and consent of the Program Director.
- CLSC 468**                    **Clinical Microbiology**                    (4)  
 Clinical rotation at an affiliated clinical site to emphasize practical/technical skills and applications. Two hours of lecture and eighteen hours of laboratory per week. Prerequisites: Fourth year standing and consent of the Program Director.
- CLSC 469**                    **Clinical Biochemistry**                    (4)  
 Clinical rotation at an affiliated clinical site to emphasize practical/technical skills and applications. Two hours of lecture and eighteen hours of laboratory per week. Prerequisites: Fourth year standing and consent of the Program Director.

#### RESPIRATORY THERAPY COURSES

- HSRT 220**                    **Respiratory Therapy Clinical Practicum**                    (2)  
 Introduction to basic procedures; equipment applications; therapeutic modalities for oxygen, humidity, aerosol therapy; methods in and indicators for respiratory therapeutics. Precedes clinical rotation. Six hours of laboratory per week. Corequisites: HSRT 230 and HSRT 231.
- HSRT 222**                    **Developmental Practicum in Clinical Applications**                    (2)  
 Skills enhancement of basic procedures and clinical development in patient respiratory care plan, CPR, mechanical ventilation, and patient assessment. Twelve hours of laboratory per week. Twenty-four hours of laboratory per week. Prerequisites: HSRT 220, HSRT 230, and HSRT 231. Corequisite: HSRT 232.
- HSRT 230**                    **Introduction to Respiratory Therapy**                    (3)  
 Introduction to respiratory care basic sciences applications, terminology, ventilatory mechanics, blood-gas analysis, and acid-base balance. Three hours of lecture per week. Corequisites: HSRT 220 and HSRT 231.
- HSRT 231**                    **Cardiopulmonary Systems**                    (3)  
 Anatomical and physiological study of the cardiovascular and pulmonary systems; contrast of the normal versus dysfunctional cardiopulmonary system; relationship to and effect upon renal physiology. Three hours of lecture per week. Corequisites: HSRT 220 and HSRT 230.
- HSRT 232**                    **Intermediate Clinical Applications**                    (4)  
 Theoretical applications in patient assessment, administration, and evaluation of oxygen and aerosol. Intermittent breathing exercises; basic CPR training; and development in mechanical ventilation administration. Four hours of lecture per week. Prerequisites: HSRT 220, HSRT 230, and HSRT 231. Corequisite: HSRT 222.
- HSRT 307**                    **Respiratory Care Applications I**                    (1)  
 Applications and analyses of clinical data for presentation by respiratory care practitioners. One hour of lecture per week. Prerequisite: Consent of the Program Director.

- HSRT 308                      Respiratory Care Applications II                      (1)**  
Continuation of HSRT 307 to include simulations and presentations. One hour of lecture per week.  
Prerequisite: Consent of the Program Director.
- HSRT 320                      Applied Procedures and Equipment - Clinical Practicum III   (2)**  
Study of and clinical practice in applications of the operation, mechanical features, limitations of, and indications for various types of equipment used in respiratory care. Eight hours of laboratory per week.  
Prerequisites: HSRT 220, HSRT222, HSRT 230, HSRT 231, and HSRT 232. Corequisites: HSRT 321, HSRT 330, and HSRT 331.
- HSRT 321                      Respiratory Therapy Clinical Practicum IV (2)**  
Symptomatic presentations and pathophysiological manifestations; clinical experiences; case studies; and advanced respiratory patient care procedures at clinical sites. Six hours of laboratory per week.  
Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, and HSRT 232. Corequisite: HSRT 330, HSRT 331, and HSRT 320.
- HSRT 322                      Respiratory Therapy Clinical Practicum V   (2)**  
Continuation of HSRT 321 with emphasis on advanced respiratory care practice and technology where invasive and specialized procedures are used. Eight hours of laboratory per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 330, HSRT 331, HSRT 320, and HSRT 321. Corequisite: HSRT 332 , HSRT 333, and HSRT 323.
- HSRT 323                      Respiratory Therapy Clinical Practicum VI (2)**  
Long-term, critical, intensive, surgical, and post-surgical assessment of respiratory care therapeutics presented. Advanced clinical experiences, procedures, and case studies obtained at clinical sites. Eight hours of laboratory per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 330, HSRT 331, HSRT 320, and HSRT 321. Corequisites: HSRT 332 , HSRT 333, and HSRT 322..
- HSRT 325                      Pediatric Clinical Practicum                      (2)**  
Procedures and treatment modalities utilized in the clinical management of neonatal and pediatric patients. Sixteen of laboratory per week. Corequisite: HSRT 340.
- HSRT 330                      Applied Procedures and Equipment I                      (3)**  
Study of airway management, resuscitation, continuous assisted ventilation. Specific mechanics and applications of equipment/techniques utilized in corresponding clinical sites. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, and HSRT 232. Corequisites: HSRT 320, HSRT 321, and HSRT 331.
- HSRT 331                      Theoretical and Applied Respiratory Therapy                      (3)**  
Study of the pathophysiology and clinical presentations manifested in pulmonary disease and dysfunction. Acid-base balance; radiological and pulmonary function testing; hemodynamics; and ECG presentations studied. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, and HSRT 321. Co-requisites: HSRT 330, HSRT 320, and HSRT 321
- HSRT 332                      Applied Procedures and Equipment II                      (3)**  
Study of advanced, invasive, and specialized procedures applicable to the function of the cardiopulmonary and renal systems. Continuation and augmentation of HSRT 330. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, and HSRT 321. Co-requisite: HSRT 331, HSRT 320, and HSRT 321.

- HSRT 333**                                    **Cardiopulmonary Diseases**                                    **(3)**  
Advanced study of pathology, diagnosis, treatment, and assessment of pulmonary, circulatory, and renal dysfunction. Emphasis on identification of and treatment regimen for specific cardiopulmonary dysfunction. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, HSRT 321, HSRT 330, and HSRT 331. Corequisite: HSRT 322, HSRT323, and HSRT 332.
- HSRT 334**                                    **Respiratory Care Pharmacotherapy**                                    **(3)**  
Clinical aspects and physiologic effects of drugs administered by the respiratory care practitioner. Clinical activities involved in the preparation, delivery, and therapeutic evaluation of administered drugs. Three hours of lecture per week. Prerequisite: : HSRT 220, HSRT222, HSRT 230, HSRT 231, and HSRT 232.
- HSRT 340**                                    **Neonatal and Pediatric Respiratory Care**                                    **(3)**  
Respiratory care of newborns, infants, and children; procedures in oxygen, aerosol, and ventilatory therapeutics; and review of anatomy/physiology, specific abnormalities, specialized procedures, and clinical presentations. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, HSRT 321, HSRT 330 and consent of the Program Director. Corequisite: HSRT 325.
- HSRT 420**                                    **Comprehensive Respiratory Care**                                    **(2)**  
Comprehensive study of the respiratory care practice at both the technician and therapist levels based on NBRC job analysis survey results. Two hours of lecture per week. Prerequisite: Consent of the Program Director.
- HSRT 435**                                    **Electrocardiographic Technology**                                    **(3)**  
ECG techniques, procedures, patterns, and interpretations; systematic methods for reading electrocardiograms. Three hours of lecture and four hours of laboratory per week. Prerequisite: Consent of the Program Director.
- HSRT 440**                                    **Respiratory Therapy Management I**                                    **(4)**  
Departmental management involving personnel, decision making, budgeting, evaluation of departmental effectiveness, and development of departmental policies. Three hours of lecture and four hours of laboratory per week. Prerequisite: Consent of the Program Director.
- HSRT 441**                                    **Respiratory Therapy Management II**                                    **(4)**  
Continuation of HSRT 440. Three hours of lecture and four hours of laboratory per week. Prerequisites: HSRT 440 and Consent of the Program Director.
- HSRT 453**                                    **Cardiopulmonary Technology**                                    **(5)**  
Pulmonary function testing procedures and interpretation; study of equipment and standards used in pulmonary testing. Three hours of lecture and four hours of laboratory per week. Prerequisite: Consent of the Program Director.
- HSRT 454**                                    **Critical Care and Internship**                                    **(5)**  
Comprehensive study of advanced procedures, therapeutic modalities, decision making, and quality control for the practicing respiratory therapist. Three hours of lecture and sixteen hours of laboratory per week. Prerequisites: Completion of all other professional HSRT courses and consent of the Program Director.



**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN  
ENVIRONMENTAL HEALTH  
TOTAL CREDITS REQUIRED: 133**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (ENVIRONMENTAL HEALTH)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>63 credits</b>	<b>26 credits</b>
ENG 131 (3)**	HSEH 232 (3)	BIOL 111 (1)
ENG 132 (3)	HSEH 233 (4)	BIOL 112 (1)
SC 135 or 136 (3)	HSEH 234 (3)	BIOL 131 (3)
MATH 133 (3)	HSEH 235 (3)	BIOL 132 (3)
CHEM 111, 131 (4)	HSEH 334 (3)	FS 102 (1)
CHEM 112, 132 (4)	HSEH 337 (4)	CHEM 211 (1)
ENG 200 Level (3)	HSEH 338 (3)	CHEM 231 (3)
Visual & Performing Arts (3) ***	HSEH 339 (3)	HSCR 150 (3)
	HSEH 344 (4)	HSCR 260 (3)
	HSEH 425 (3)	HSCR 360 (3)
HIST 231 (3)	HSEH 431 (3)	PHYS 101 or PHYS 237/lab (4)
HIST 232 (3)	HSEH 432 (3)	
POLS 231 (3)	HSEH 433 (3)	
POLS 232 (3)	HSEH 434 (3)	
PSY 131 (3)	HSEH 435 (3)	
CS 116 (3)	HSEH 442 (3)	
	HSEH 450 (3)	
	HSEH 451 (3)	
	HSEH 460 (6)	

\* Students should seek advisement prior to registering for any course intended to be used as credit toward the degree.

\*\* (N) represents the number of course credits.

\*\*\* Select from the following courses: ART 131 or 132, THC 130 or 231, MUSI 131 or 239.

\*\*\*\* FS 102, Freshman Seminar is a university requirement for first-time freshmen.

**TEXAS SOUTHERN UNIVERSITY**  
**COLLEGE OF PHARMACY AND HEALTH SCIENCES**  
**DEPARTMENT OF HEALTH SCIENCES**  
**Bachelor of Science in Environmental Health 4 Year Plan**  
**Total Credits: 133 Degree plan- By Level and Sequence**

First Year	First Semester	CH	Second Semester	CH
	CHEM 111 General Chemistry I Lab	1	CHEM 132 General Chemistry II Lec	3
	CHEM 131 General Chemistry I Lec	3	CHEM 112 General Chemistry II Lab	1
	MATH 133 College Algebra	3	BIOL 132 Biological Science II Lec	3
	ENG 131 Freshman English I	3	BIOL 112 Biological Science II Lab	1
	BIOL 131 Biological Science I Lec	3	ENG 132 Freshman English II	3
	BIOL 111 Biological Science I Lab	1	CS 116 Computer Introduction	3
	Visual & Performing Arts *	3	SOC 157 Sociology/PSY 131 Gen Psychology	3
	FS 102 Freshman Seminar	1		
	<b>18 hrs</b>		17 hrs	

Second Year	Third Semester	CH	Fourth Semester	CH
	CHEM 211 Organic Chemistry I Lab	1	POLS 232 American Political Systems II	3
	CHEM 231 Organic Chemistry I Lec	3	SC 233 Speech Communication	3
	POLS 231 American Political Systems I	3	HIST 232 Social & Political History of the United States to 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	HSCR 150 Concepts of Health	3
	ENG 230-244 English Literature	3	HSCR 260 Biomedical Ethics	3
	PHYS 101 Prin of Phys Sci <u>or</u> PHYS 237 College Phys and lab 213	4		
	17 hrs		15hrs	

Third Year	Fifth Semester	CH	Sixth Semester	CH
	HSEH 232 Introduction to Environmental Health	3	HSEH 337 Environmental Microbiology	4
	HSEH 233 Epidemiology & Biostatistics	4	HSEH 338 Water Pollution and Control	3
			HSEH 234 Health Physics	3
	HSEH 235 Human Ecology	3	HSEH 425 Insect and Vector Control	3
	HSEH 344 Environmental Chemistry	4	HSEH 433 Institutional Health & Safety	3
	HSCR 360 Principles of Disease	3		
	17 hrs		16 hrs	

Summer	Summer One	CH	Summer Two	CH
	HSEH 460 Environmental Internship	3	HSEH 460 Environmental Internship	3
	Total	3hrs	Total	3hrs

Fourth Year	Seventh Semester	CH	Eighth Semester	CH
	HSEH 334 Public Health Organization and Administration	3	HSEH 431 Solid Waste Management	3
	HSEH 339 Air Pollution and Control	3	HSEH 432 Hazardous Waste Management	3
	HSEH 442 Occupational Safety and Health	3	HSEH 435 Environmental Health Problems	3
	HSEH 450 Environmental Toxicology HSEH 434 Sewage Treatment and Disposal	3 3	HSEH 451 Environmental Impact Assessment	3
		15 hrs		12 hrs

\* Visual and Performing Arts: THC 130, 231, MUSI 131, 239, ART 131, 132

\*\* Internship Practicum is offered in the regular semester as well as for students concurrently registered for structured classes. Please see separate internship package in details

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN  
HEALTH ADMINISTRATION  
TOTAL CREDITS REQUIRED: 129**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (HEALTH ADMINISTRATION)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>39 credits</b>	<b>46 credits</b>
ENG 131 (3)**	HSHA 211 (3)	HSCR 150 (3)
ENG 132 (3)	HSHA 262 (3)	HSCR 260 (3)
SC 135 or 136 (3)	HSHA 312 (3)	HSCR 300 (1)
MATH 133 (3)	HSHA 313 (3)	HSCR 360 (3)
CHEM 111, 131 <b>OR</b> *****	HSHA 314 (3)	HSCR 361 (3)
BIOL 111, 131 (4)	HSHA 361 (3)	MATH 134 (3)
CHEM 112, 132 <b>OR</b>	HSHA 363 (3)	PA 271 (3)
BIOL 112, 132 (4)	HSHA 411 (6)***	PA 301 (3)
ENG 2xx (3)	HSHA 412 (3)	PA 302 (3)
ART 131 or ART 132 (3)	HSHA 413 (3)	PA 311 (3)
HIST 231 (3)	HSHA 414 (3)	PA 312 (3)
HIST 232 (3)	HSHA 451 (3)	PA 313 (3)
POLS 231 (3)		PA 321 (3)
POLS 232 (3)		PE 1xx (1)
PSY 131 (3)		PE 1xx (1)
CS 116 (3)		Free Electives (6)
		FS 102 (1)****

\* Students should seek advisement prior to registering for any course intended to be used as credit toward the degree.

\*\* \*(N) represents the number of course credits.

\*\*\* HSHA 411 must be taken twice, where each enrollment counts for 3 credits.

\*\*\*\* FS 102, Freshman Seminar is a university requirement for first-time freshmen.

\*\*\*\*\*+ **Students may choose sequential courses in Biology or Chemistry to complete the 8 credit hour natural science requirement. They may not mix the sequence for natural science credit. For example, Chemistry 131 may not be taken as a sequential precursor for Biology 132 for natural science completion credit.**

**TEXAS SOUTHERN UNIVERSITY**  
**COLLEGE OF PHARMACY AND HEALTH SCIENCES**  
**DEPARTMENT OF HEALTH SCIENCES**  
**Bachelor of Science Degree in Health Administration**  
**Total Credits: 127 Four Year Plan**

First Year	First Semester	CH	Second Semester	CH
	CHEM 111 General Chemistry Lab or BIOL 111 Biology Lab	1	CHEM 112 General Chemistry Lab or BIOL 112 Biology Lab	1
	CHEM 131 General Chemistry Lec or BIOL 131 Biology Lec	3	CHEM 132 General Chemistry Lec or BIOL 132 Biology Lec	3
	MATH 133 College Algebra	3	CS 116 Introduction to Computer	3
	ENG 131 Freshman English I	3	MATH 134 Plane Trigonometry	3
	HSCR 150 Concepts of Health	3	ENG 132 Freshman English II	3
	PSY 131 Psychology	3	HIST 231 Social & Political History of the United States to 1877	3
	FS 102 Freshman Seminar	1		
		17 hrs		16 hrs

Second Year	Third Semester	CH	Fourth Semester	CH
	HSHA 211 Health Information Systems	3	HSCR 260 Biomedical Ethics	3
	ENG 230 or 244 Level English Literature	3	HSCR 300 Health Science Seminar	1
	POLS 231 American Political Systems I	3	HSHA 262 Public Policy & Health Care	3
	HIST 232 Social & Political History of the United States since 1877	3	PA 271 Introduction to Public Administration	3
	ART 131 or 132 Drawings & Composition	3	SC 233 or 135 Communication Skills for Health Professionals or Business and Professional Communication	3
			POLS 232 American Political Systems II	3
		15 hrs		16 hrs

Third Year	Fifth Semester	CH	Sixth Semester	CH
	HSCR 360 Principles of Disease	3	HSCR 361 Research for Health Professionals	3
	HSHA 312 Health administration In School Systems	3	HSHA 314 Finance and Economics for Health Care	3
	HSHA 313 Health Care of the Poor	3	HSHA 363 Ambulatory Health Care	3
	HSHA 361 Long Term Care	3	PA 302 Quantitative Methods in PA	3
	PA 301 Research Methods in PA	3	PA 312 Public Budgeting	3
	PA 311 Introduction to Public Sector Planning	3	PA 313 Organization Behavior Management	3
	18 hrs		18 hrs	

Fourth Year	Seventh Semester	CH	Eighth Semester	CH
	HSHA 412 Legal, Ethical and Biomedical Aspects of Health Care	3	HSHA 411 Health Administration Internship	6
	HSHA 413 Seminars in Comm. Health	3	Free Elective	3
	HSHA 414 Seminar in Issues in HC	3		
	HSHA 451 Health Care of the Aged	3		
	PA 321 Personnel Administration	3		
	Free Elective	3		
		18		9 hrs

**Public Affairs Minor: Enroll in PA 400 or PA 410 (can be taken as an elective)**

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN  
HEALTH INFORMATION MANAGEMENT  
TOTAL CREDITS REQUIRED: 136**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (HEALTH INFORMATION MANAGEMENT)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>45 credits</b>	<b>47 credits</b>
ENG 131 (3)**	HSHI 362 (3)	BIOL 111 (1) <sup>1</sup>
ENG 132 (3)	HSHI 363 (3)	BIOL 112 (1) <sup>1</sup>
SC 233 (3)	HSHI 363L (2)	BIOL 131 (3) <sup>2</sup>
MATH 133 (3)	HSHI 364 (3)	BIOL 132 (3) <sup>2</sup>
BIOL 135 (4)	HSHI 364L (2)	BIOL 246 (4)
BIOL 136 (4)	HSHI 365 (2)	HSCR 150 (3)
ENG 200 Level (3)	HSHI 366 (2)	HSCR 260 (3)
ART 131 or ART 132 (3)	HSHI 373 (2)	HSCR 300 (1)
HIST 231 (3)	HSHI 374 (2)	HSCR 360 (3)
HIST 232 (3)	HSHI 401 (1)	HSCR 361 (3)
POLS 231 (3)	HSHI 402 (1)	MATH 135 (3)
POLS 232 (3)	HSHI 473 (3)	MGMT 300 (3)
PSY 131 (3)	HSHI 474 (3)	MGMT 301 (3)
CS 116 (3)	HSHI 475 (3)	MGSC 239 (3)
	HSHI 476 (4)	Free Electives (9)
	HSHI 477 (4)	FS 102 (1)***
	HSHI 478 (2)	
	HSHI 479 (3)	

\*Students should seek advisement prior to registering for any course intended to be used as credit toward the degree.

\*\* (N) represents the number of course credits.

\*\*\* FS 102, Freshman Seminar is a university requirement for first-time freshmen.

<sup>1</sup>May together be substituted with CHEM 131 and 111 or with PHYS 237 and 213.

<sup>2</sup>May together be substituted with CHEM 132 and 112 or with PHYS 238 and 214.

**College of Pharmacy and Health Sciences**  
**Texas Southern University**  
**Bachelor of Science Degree in Health Information Management**  
**Accredited by the American Health Information Management Association**  
**Four Year Degree Plan 136 credit hours**

First year	First Semester		Second Semester	
	BIOL 131/111 Biology Lecture/Lab	4	BIOL 132/112 Biology Lecture/Lab	4
	ENG 131 Freshman English	3	ENG 132 Freshman English	3
	MATH 133 College Algebra	3	MATH 134 Trigonometry	3
	HIST 231 Social and Political History	3	CS 116 Introduction to Computers	3
	Performing Arts 130 Music, Theatre, Art	3	PSY 131 General Psychology	3
	HSCR 150 Concepts of Health	3	HIST 232 Social and Political History	3
	FS 102 Freshman Seminar	1		
		<b>20 hrs</b>		19 hrs

Second Year	BIOL 135 Human Anatomy and Physiology	4	BIOL 136 Human Anatomy and Physiology II	4
	HSCR 260 Biomedical Ethics	3	POLS 232 American Political Systems II	3
	ENG 230-244 English Literature	3	MGSC 239 Management Science Statistics	3
	SPEECH 233 Speech for Health Professionals	3	BIOL 246 Microbiology	4
	POLS 231 American Political Systems I	3	HSCR 300 Health Science Seminar	1
		16hrs		15hrs

Third Year	Fifth Semester		Sixth Semester	
	HSCR 360 Principles of Disease	3	MGMT 301 Personnel and Manpower	3
	MGMT 300 Business Organization	3	HSCR 361 Research for Health Professionals	3
	HSHI 362 Medical Terminology	3	HSHI 364 Management of Health Data I	3
	HSHI 363 Basic Foundations I Lecture	3	HSHI 364L Management of Health Data Lab	2
	HSHI 363L Basic Foundations I Lab	2	HSHI 365 Directed Practice I	2
	HSHI 373 Basic Foundations II	2	HSHI 366 Legal Aspects	2
			Elective	3
	16hrs		18hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	HSHI 374 Management Health Data II	2	HSHI 402 Comprehensive HIM	1
	HSHI 401 In-Service Training for HIM	1	HSHI 476 Preceptorship	4
	HSHI 473 Quality Assurance Management	3	HSHI 477 Management of Info. Systems	4
	HSHI 474 Computerized Health Info. System	3	HSHI 478 Problems in Medical records	2
	HSHI 475 Directed Practice II	3	HSHI 479 Health Info. Personnel Mgmt.	3
	Elective	3	Elective	3
	15hrs		17hrs	



**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN  
CLINICAL LABORATORY SCIENCE  
TOTAL CREDITS REQUIRED: 137**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (CLINICAL LABORATORY SCIENCE)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>60 credits</b>	<b>33 credits</b>
ENG 131 (3)	CLSC 252 (2) CLSC 252L (1)	BIOL 131 (3)
ENG 132 (3)	CLSC 304 (1)	BIOL 132 (3)
SC 135 or 136 (3)	CLSC 305 (1)	BIOL 245 (4) or BIOL 344 or BIOL 135 and 136 together (4)
MATH 133 (3)	CLSC 306 (1) spr. AND (1) fall	BIOL 347 (4) or BIOL 246
CHEM 111, 131 (4)	CLSC 352 (3) CLSC 352L (1)	CHEM 211 (1)
CHEM 112, 132 (4)	CLSC 353 (3) CLSC 353L (1)	CHEM 231 (3)
ENG 200 Level (3)	CLSC 354 (2) CLSC 354L (1)	CHEM 212 (1) or CHEM 445 L
ART 131 or ART 132 (3)***	CLSC 355 (2) CLSC 355L (1)	CHEM 232 (3) or CHEM 445
HIST 231 (3)	CLSC 356 (3) CLSC 356L (1)	HSCR 150 (3)
HIST 232 (3)	CLSC 357 (3)	HSCR 260 (3)
POLS 231 (3)	CLSC 358 (2)	HSCR 300 (1)
POLS 232 (3)	CLSC 359 (3)	HSCR 360 (3)
PSY 131 (3)	CLSC 362 (2) CLSC 362L (1)	FS 102 (1)
CS 116 (3)	CLSC 364 (2) CLSC 364L (1)	
	CLSC 365 (2) CLSC 365L (1)	
	CLSC 369 (2)	
	CLSC 466 (4)	
	CLSC 467 (4)	
	CLSC 468 (4)	
	CLSC 469 (4)	

\*Students should seek advisement prior to registering for any course intended to be used as credit toward the degree.

\*\*\* Upon approval of the Program Director, student may take any fine arts or equivalent to satisfy this requirement.

**TEXAS SOUTHERN UNIVERSITY**  
**COLLEGE OF PHARMACY AND HEALTH SCIENCES**  
**DEPARTMENT OF HEALTH SCIENCES**  
 Accredited by the National Accrediting Agency for Clinical Laboratory Sciences  
**Bachelor of Science in Clinical Laboratory Science/ Medical Technology**  
**Degree plan- Total Credit 137**  
**Four Year Plan**

<b>First Year</b>	<b>First Semester</b>	<b>CH</b>	<b>Second Semester</b>	<b>CH</b>
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	MATH 133 College Algebra	3	SC 135 0r 136 Speech Communication	3
	ENG 131 Freshman English I	3	ENG 132 Freshmen English II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	HSCR 150 Concepts of Health	3	PSY 131 Psychology **	3
	FS 102 The University Experience	1	CS 116 Computer Science	3
		17 hrs		19 hrs

<b>Second Year</b>	<b>Third Semester</b>	<b>CH</b>	<b>Fourth Semester</b>	<b>CH</b>
	CHEM 211 Organic Chemistry I Lab	1	CHEM 232/212 Organic Chemistry II or CHEM 445/445L Biochemistry	4
	CHEM 231 Organic Chemistry I Lec	3	ENG 200 Level English Literature	3
	BIOL 245 Human Anatomy & Physiology	4	BIOL 347 Microbiology ##	4
	POLS 231 American Political Systems I	3	POLS 232 American Political System II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	Visual & Performing Arts *	3		
		17 hrs		17 hrs

<b>Summer</b>	<b>Summer</b>	<b>CH</b>	<b>Summer</b>	<b>CH</b>
	HSCR 360 Principles of Disease	3		
	HSCR 260 Biomedical Ethics	3		
	6hrs			

Third Year	Fifth Semester	CH	Sixth Semester	CH
	CLSC 252 Serology Practice & Procedures	2	CLSC 353 Clinical Microscopy & Quality Control	3
	CLSC 252 L Serology Practice & Procedures Lab	1	CLSC 353 L Clinical Microscopy & Quality Control	1
	CLSC 304 Medical Tech Applications I	1	CLSC 305 Medical Tech Applications II	1
	CLSC 352 Hematology I	3	CLSC 362 Hematology II	2
	CLSC 352L Hematology I Lab	1	CLSC 362 L Hematology II Lab	1
	CLSC 354 Immunohematology I	2	CLSC 364 Immunohematology II	2
	CLSC 354L Immunohematology I Lab	1	CLSC 364L Immunohematology II Lab	1
	CLSC 355 Medical Chemistry I	2	CLSC 365 Medical Chemistry II	2
CLSC 355L Medical Chemistry I Lab	1	CLSC 365L Medical Chemistry II Lab	1	
CLSC 359 Microbial Human Disorders I Lec/ Lab	3	CLSC 369 Microbial Human Disorders II Lec/ Lab	2	
	18 hrs		15 hrs	

Summer	Summer	CH	Summer	CH
	CLSC 356 Hemostatic Processes	3		
	CLSC 356L Hemostatic Processes Lab	1		
		4 hrs		

Fourth Year	Seventh Semester	CH	Eighth Semester	CH
	CLSC 306-(MGMT) Health Sciences Seminar	1	CLSC 306- (Research) Comprehensive Medical technology	1
	CLSC 357 Clinical Practicum I	3	CLSC 358 Clinical Immunology	2
	CLSC 466 Clinical Hematology	4	CLSC 468 Clinical Microbiology	4
	CLSC 467 Clinical Blood Bank	4	CLSC 469 Clinical Chemistry	4
			HSCR 300 Health Science Seminar	1
		12 hrs		12 hrs

\* Either one of the following: THC 130, 231, MUSI 131, 239, ART 131, 132

\*\* Social and behavioral Sciences requirements maybe fulfilled by either of the following: Soc 157, Soc 158, Soc 231, ECON 231, ECON 232

Internship (last Year) is restricted to students who have satisfied **ALL** program requirements and who have been approved for assignment

#### LISTED COURSES

CHEM 232/212 L  
 BIOL 245  
 BIOL 347

#### SUBSTITUTED COURSE

CHEM 445  
 BIOL 135 & 136 or BIOL 344  
 BIOL 246

**Students should seek advisement prior to registering for any course intended to be used as credit toward the Clinical Laboratory Science degree.**

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN  
RESPIRATORY THERAPY  
TOTAL CREDITS REQUIRED: 148**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (RESPIRATORY THERAPY)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>66 credits</b>	<b>38 credits</b>
ENG 131 (3)**	HSRT 220 (2)	BIOL 131 (3)
ENG 132 (3)	HSRT 222 (2)	BIOL 132 (3)
SC 135 or 136 (3)	HSRT 230 (3)	BIOL 245 (4)
MATH 133 (3)	HSRT 231 (3)	BIOL 246 (4)
CHEM 111, 131 (4)	HSRT 232 (3)	BIOL 460 (3)
CHEM 112, 132 (4)	HSRT 307 (1)	HSCR 150 (3)
ENG 200 Level (3)	HSRT 308 (1)	HSCR 260 (3)
ART 131 or	HSRT 320 (2)	HSCR 300 (1)
ART 132 (3)	HSRT 321 (2)	HSCR 360 (3)
HIST 231 (3)	HSRT 322 (2)	MATH 136 (3)
HIST 232 (3)	HSRT 323 (2)	PHAR 212 (1)
POLS 231 (3)	HSRT 325 (2)	PHYS 237 (3)
POLS 232 (3)	HSRT 330 (3)	PHYS 238 (3)
PSY 131 (3)	HSRT 331 (3)	FS 102 (1)***
CS 116 (3)	HSRT 332 (3)	
	HSRT 333 (3)	
	HSRT 334 (3)	
	HSRT 340 (3)	
	HSRT 420 (2)	
	HSRT 435 (3)	
	HSRT 440 (4)	
	HSRT 441 (4)	
	HSRT 453 (5)	
	HSRT 454 (5)	

\* Students should seek advisement prior to registering for any course intended to be used as credit toward the degree.

\*\* (N) represents the number of course credits.

\*\*\* FS 102, Freshman Seminar is a university requirement for first-time freshmen.

**College of Pharmacy and Health Sciences-Texas Southern University**  
**Bachelor of Science Degree in Respiratory Therapy**  
**Accredited by (CoARC) Committee on Accreditation for Respiratory Care**  
**Approved Degree Plan – Total Credits: 148 Four Year Plan**

First Year	First Semester		Second Semester	
	CHEM 111 General Chemistry Lab I	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry Lec. I	3	CHEM 132 General Chemistry II Lec.	3
	BIOL 131 Biological Science Lecture	3	BIOL 132 Biological Science II Lec.	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	MATH 136 Pre-Calculus	3
	Visual and Performing Arts** <i>see options below</i>	3	PHAR 212	1
	PSY 131 Psychology	3	HSCR 260	3
			FS 102 Freshman Seminar	1
<b>Total semester credits</b>	<b>19</b>	<b>Total semester credits</b>	<b>18</b>	

**APPLICATION PERIOD (Sept. –Nov)**

**PROFESSIONAL PHASE**

Second Year	Third Semester		Fourth Semester	
	ENG (Any 200 level)	3	HSRT 220	2
	POLS 231 American Political Systems I	3	HSRT 230	3
	HIST 231 Social & Political History of the United States to 1877	3	HSRT 231	3
	PHYS 237***	3	HIST 232 Social & Political History of the United States since 1877	3
	BIOL 245 Human Anatomy & Physiology	4	POLS 232 American Political Systems II	3
			PHYS 238***	3
<b>Total semester credits</b>	<b>16</b>	<b>Total semester credits</b>	<b>17</b>	

Second Year Summer I	Seventh Semester (Summer I)		
	HSRT 222 Developmental Practicum in Clinical Development		2
	HSRT 232 Intermediate Clinical Applications		3
	<b>Total semester credits</b>		<b>5 hrs</b>

Second Year Summer II	Seventh Semester (Summer II)		
	HSCR 150 Concepts of Health		3
	CS 116 Computer Science		3
	<b>Total semester credits</b>		<b>6 hrs</b>

Third Year	Fifth Semester		Sixth Semester	
	HSRT 320	2	BIOL 246 ***	4
	HSRT 321	2	HSCR 300	1
	HSRT 325	2	HSRT 322	2
	HSRT 330	3	HSRT 323	2
	HSRT 331	3	HSRT 332	3
	HSRT 334	3	HSRT 333	3
	HSRT 340	3	HSCR 360	3
<b>Total semester credits</b>		<b>18hrs</b>	<b>Total semester credits</b>	
			<b>18hrs</b>	

Third Year Summer I	Seventh Semester (Summer I)		
	HSRT 454 Critical Care and Internship		5
	HSRT 307		1
	<b>Total semester credits</b>		<b>6 hrs</b>

Fourth Year	Seventh Semester		Eighth Semester	
	SC 233 Speech Communications	3	435 HSRT	3
	308 HSRT	1	441 HSRT	4
	420 HSRT**	2	453 HSRT	5
	440 HSRT	4		
	460 BIOL***	3		
<b>Total semester credits</b>		<b>13</b>	<b>Total semester credits</b>	
			<b>12</b>	

**TOTAL CURRICULUM CREDIT HOURS 148**

\* Visual and Performing Arts: (Select one) THC 130, 231, MUSI 131, 239, ART 131, 132

\*\* Course taken as advised

Course substitutions are permitted only as indicated in the University bulletin or as below.

*** Listed Course	Substituted
Physics 237, 238 Sequence	Physics 235, 236 Sequence
Microbiology 246	Microbiology 347
Biostatistics 460	Math 473 or 474

Applications for admittance to the program professional phase are processed and finalized each fall. Students are admitted into the program professional phase each spring semester. The application process is competitive and based on (1) cumulative G.P.A. of 2.5 or better and (2) quantitative and qualitative completion of curriculum prerequisite courses.



## COLLEGE OF SCIENCE AND TECHNOLOGY

### OVERVIEW

The College of Science and Technology at Texas Southern University consists of ten Departments: the Department of Aviation Science and Technology, the Department of Biology, the Department of Chemistry, the Department of Computer Science, the Department of Engineering Technologies, the Department of Environmental Science and Technology; the Department of Industrial Technologies, the Department of Mathematics, the Department of Physics, and the Department of Transportation Studies. In serving students, these units allow the College to fulfill its mission; and through them, ten undergraduate and six graduate degrees are offered. For detailed information on the eight graduate degrees, students are referred to the **Graduate School Bulletin of Texas Southern University**. A summary of the degrees and departments, by name, appears in the chart below:

Department	Undergraduate Degrees	Graduate Degrees
<b>Aviation Science and Technology</b>	Bachelor of Science in Aviation Science and Technology - Aviation Science Management	None
<b>Biology</b>	Bachelor of Science in Biology	Master of Science in Biology
<b>Chemistry</b>	Bachelor of Science in Chemistry	Master of Science in Chemistry
<b>Computer Science</b>	Bachelor of Science in Computer Science	Master of Science in Computer Science
<b>Engineering Technologies</b>	Bachelor of Science in Civil Engineering Technology Bachelor of Science in Computer Engineering Technology Bachelor of Science in Electronics Engineering Technology	None
<b>Environmental Science and Technology</b>	None	Master of Science in Environmental Toxicology Doctor of Philosophy in Environmental Toxicology
<b>Industrial Technologies</b>	Bachelor of Science in Industrial Technology	None
<b>Mathematics</b>	Bachelor of Science in Mathematics	None
<b>Physics</b>	None	None
<b>Transportation Studies</b>	Bachelor of Science in Maritime Transportation Management and Security	Master of Science in Transportation Planning and Management

Administratively, the College of Science and Technology is headed by a Dean who is assisted by the Associate Dean of Academic Affairs, the Associate Dean of Administration and Development, and the Assistant Dean of Student Services and Instructional Support. Each of the ten departments is headed by a Faculty Chair who reports to the Dean. All administrative offices, classrooms, and research facilities for the College are primarily located in four facilities designated as follows: the Airway Science Center, the Nabrit Science Center, the Texas Southern University Science Center and the Technology Trailer Modules on the Campus.

### MISSION STATEMENT

The College of Science and Technology at Texas Southern University is dedicated to integrating sciences and contemporary technologies, through education, scholarly activities, and community service; meeting the needs of a diverse graduate and undergraduate student population while addressing critical urban issues within a global economy.

As an instructional agent of the University, the College of Science and Technology has an additional service mission as stated below:

1. To provide students of varied scholastic levels access to higher education by providing the academic foundations necessary for accessing educational programs at the University.
2. To prepare competent professionals and leaders capable of providing effective service and developing solutions to the problems of the nation and the world, especially in urban environs.



In pursuing its missions, the College embraces the following goals:

1. Provide High Quality Instruction
2. Perform Basic and Applied Research
3. Engage in Community Service
4. Optimize enrollment of college-ready undergraduate students and enhance graduate student enrollment
5. Strive for steady increase in external funding
6. Ensure that the College's administrative units function effectively and efficiently so that they support the mission of the College and the University

## ACCREDITATION

All programs in the College are accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, but some programs have professional accreditation as well. The Chemistry program is accredited by the American Chemical Society. The Electronics Engineering Technology Program in the Department of Engineering Technologies is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC of ABET). The undergraduate programs in the Department of Industrial Technologies are accredited by the Association of Technology, Management, and Applied Engineering. The undergraduate programs in the Department of Aviation Science and Technology are recognized by the Federal Aviation Agency and accredited by the Association of Technology, Management, and Applied Engineering.

## ADMISSION POLICIES

Students (either new or transfer) wishing to enroll in one of the programs of study leading to one of the nine undergraduate degrees offered through the College of Science and Technology must first gain admission to Texas Southern University through policies and procedures established by the University Director of Admissions. Once admitted, students are required to contact both the Office of Student Success Services for advisement regarding the fulfillment of ASSET or equivalent test requirements and the department of choice in the College for additional advisement. Students may not officially declare majors until ASSET or equivalent test requirements have been fulfilled and identified deficiencies have been eradicated; however, they are eligible to enroll in some selected courses offered through the ten departments in the College once admitted. The ten Department Offices provide advisement upon request related to courses available to students who are not yet eligible to declare majors in the College.

**Once admitted or while applying for admission, students who need financial aid or assistance should contact the Office of Student Financial Assistance at the University.** In addition, some competitive scholarships may be available to students through the College. Students earning GPA's of approximately 3.00 or higher (out of 4.00) may inquire about making application for these scholarships through one of the ten Department Offices or the Dean's Office.

Former students in the College who were enrolled for credit within the year prior to registration are not required to apply for readmission. However, students who last attended one year or more, prior to registration, are required to file applications for readmission and submit transcripts from all colleges attended since their last enrollment at Texas Southern University.

## ACADEMIC STANDARDS POLICY

The College of Science and Technology has set minimum standards that a student must achieve to remain in good academic standing. In general these standards are reflective of those established by the University and are as follows:

- |                               |   |
|-------------------------------|---|
| • 1-14 hours attempted:       | Not less than a 1.4 cumulative GPA  |
| • 15-29 hours attempted:      | Not less than a 1.6 cumulative GPA  |
| • 30-59 hours attempted:      | Not less than a 1.8 cumulative GPA  |
| • 60 or more hours attempted: | Not less than a 2.0 cumulative GPA and satisfactory completion of all developmental or remedial courses |

**Probationary or Notice** status will be incurred by the student who fails to meet the standards listed above in any semester.

**Academic Notice:** Students falling below the set standards outlined above will be placed on Academic Notice. Students on Academic Notice must get advisement in their home (major) department before they will be allowed to enroll. After advisement in their home department, the student enrollment request, and maximum hours allowed is reported to the Office of Student Services. The student must report to Office of Student Services in room 157 of the Science Center for academic monitoring.

**Academic Probation:** Students who are currently on Academic Notice and who fail to maintain the minimum cumulative GPA requirements as outlined above are placed on Academic Probation. In short, if a student falls below the set standards, the student is placed first on Academic Notice. If in the following semester, the student again falls below the set standards, the student will be placed on Academic Probation. Undergraduate students may be removed from Academic Probation at the close of the semester in which they earn a cumulative GPA that meets the standards outlined above. They may register for not more than 15 semester credit hours. Students on Academic Probation must get advisement in their home (major) department before they will be allowed to enroll. After advisement in their home department, the student enrollment request, and maximum hours allowed is reported to the Office of Student Services. The student must report to Office of Student Services in room 157 of the Science Center for academic monitoring.

**Suspension:** Students on Academic Probation earning a GPA below the standards outlined above are suspended for **one academic year**. Undergraduate students failing to maintain the required GPA in any semester while on Academic Probation will be suspended.

- a. Students placed on academic suspension at the end of a fall semester must sit out the following spring, and summer semesters and will be eligible to re-enroll in the subsequent fall semester.
- b. Students placed on academic suspension at the end of a spring semester must sit out the following summer, and fall semesters and will be eligible to re-enroll in the subsequent spring semester.
- c. Students placed on academic suspension at the end of a summer session must sit out the following fall, and spring semesters and will be eligible to re-enroll in the subsequent summer semester.

Students who have been placed on academic suspension may apply for re-admission to the University, provided they can show evidence of increased academic maturity. Such evidence may be grades for courses taken at another institution of higher learning, if such courses are not repeats of courses successfully completed at TSU. Military service and associated courses/training may also be used as evidence of maturity.

**Readmission from Academic Suspension:** Only the dean of the college may readmit students on academic suspension from Texas Southern University. Readmission from academic suspension is neither automatic nor guaranteed. Students seeking readmission must first meet with their major department advisor. Suspended students are required to submit the following:

- a. A written petition justifying their readiness to resume their studies at the University.
- b. **Official transcripts** showing at least a 2.00 grade point average (with no course having a grade below C) **on a minimum of 12 credit hours** of college work completed elsewhere while on academic suspension from Texas Southern University.
- c. Transcripts of all other completed college work.
- d. Students seeking to change their majors from the college from which they were suspended to another college must submit a “change of major” request along with a petition for readmission from academic suspension to the college of the intended major.

The major advisor will complete an academic monitoring form and make a recommendation to the department Chair. The Department Chair will review all documentation and make a recommendation to the Office of Student Services. All documentation will be forwarded to the Office of Student Services for final consideration. The suspended student will be notified in writing of the decision. Students allowed to return from suspension will be admitted under probationary status. After advisement in their home department, the student enrollment request, and maximum hours allowed is reported to the Office of Student Services. The student must report to Office of Student Services in room 157 of the Science Center for academic monitoring.

When re-admitted, the student will enter the college with probationary status. Another suspension at the end of the semester of re-admission may be avoided by achieving the minimum cumulative average according to the above standards. Moreover, a student on Academic Probation will not be suspended at the end of any semester during which a semester average of 2.00 has been earned.

**Any student enrolled in nine or more credit hours and who earns an “F” in all classes will be suspended from the University for the following semester.**

NOTE: Each department may adopt its own set of “Academic Progression Standards” and may have additional policies and procedures pertaining to readmission from academic suspension; therefore, students seeking readmission should consult the appropriate department section in the undergraduate catalog and request information from the office of the departmental chair for specific departmental requirements.

### GENERAL COLLEGE POLICIES

1. All students enrolled in the College of Science and Technology are required to follow the sequence of courses outlined in their respective degree plans.
2. Students may not enroll in required advanced courses without satisfactorily completing the prerequisites for these courses whether they are offered through the College or through other colleges or schools at the University.
3. Students earning undergraduate degrees from the College may or may not be required to declare a minor; hence, the respective departmental information describing the various degrees should be consulted regarding this matter.
4. For all undergraduate programs offered through the College, a common core of courses (interdisciplinary in nature) is required for completion of the respective degree requirements.
5. **Students may be required to pass a comprehensive exit examination prior to graduation.**
6. All students enrolled in the College are encouraged to secure either cooperative education or internship positions prior to graduation. Further information on these positions may be obtained from either the Office of the Dean of the College of Science and Technology or the University Cooperative Education and Placement Services Center.

### STUDENT ORGANIZATIONS

Student participation in a number of professional organizations and societies having student affiliated chapters on the Campus is encouraged. The principle organizations operating in the College are listed below:

- Alpha Eta Rho (AER)
- American Association of Airport Executives (AAAE)
- American Chemical Society Student Organization (ACS)
- American Design Drafting Association (ADDA)
- American Planning Association (APA)
- Associated General Contractors, Inc. (AGC)
- Beta Beta Beta Biological Honor Society
- Beta Kappa Chi Scientific Honor Society
- Environmental Toxicology Graduate Students Association
- Institute of Electrical Electronics Engineers, Inc. (IEEE)
- Institute of Transportation Engineers (ITE)
- Instrument Society of America (ISA)
- National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE)
- National Society of Black Engineers (NSBE)
- National Technical Association (NTA)
- Society of Manufacturing Engineers (SME)
- Society of Sigma Xi
- The Association of Technology, Management, and Applied Engineering

Students should seek additional information on these organizations through the Office of the Dean or through the Department Offices in the College.

### RIGHT TO MODIFY

**The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy or requirement at any time during the time that students are enrolled. Courses are also subject to change.**

## DEPARTMENT OF AVIATION SCIENCE AND TECHNOLOGY

The mission of the Aviation Science and Technology Department is, “to prepare students with the foundation to develop and function as aviation professionals.” Specifically, our mission is to prepare our majors with the base knowledge and skills for entering graduate school or entering the workforce as an entry level aviation professional.

The Aviation Science Management degree provides a strong foundation for a career as a leader in the field of aviation. The curriculum provides skills in management, communications, and research to prepare students as required in the field of aviation management. The last two years of matriculation include extensive professional-level Aviation Science Technology and Management courses whereby students shall develop critical-thinking and problem-solving skills. The degree in Aviation Science Management is fully accredited by the Association of Technology, Management, and Applied Engineering.

Former military must submit a copy of their DD 214 form to the Texas Southern University Office of Veteran Affairs in order to receive academic credit for military courses recommended by the American Council on Education. Students with prior Aviation training must present certification to the department Chair for credit evaluation. Individuals possessing a private pilot, commercial, and instrument license can receive credit for flight training upon evaluation by the department chair. Transfer of credit from another institution to Texas Southern University involves consideration of accreditation, comparability of course work, and applicability of that course work to a degree program at the University.

All students must maintain a GPA in accordance with the College of Science and Technology standards which are:

1-14 hours attempted:	Not less than a 1.4 cumulative GPA
15-29 hours attempted:	Not less than a 1.6 cumulative GPA
30-59 hours attempted:	Not less than a 1.8 cumulative GPA
60 or more hours attempted:	Not less than a 2.0 cumulative GPA and satisfactory completion of all developmental or remedial courses

### Degree Requirements

The Bachelor of Science degree in Aviation Science Management is earned by the successful completion of a 121 credit hours (minimum) including the 45 hours of general education core courses and other courses as established by Texas Southern University and approved by the Texas Higher Education Coordinating Board, 76 hours of courses as defined by the department of Aviation Science and Technology. All course work representing the 76 hours of courses as defined by the Department of Aviation Science and Technology leading to the B.S. Degree in Aviation Science Management must be earned with a Grade of “C” or better, where grades of “C-“ or below are unacceptable. There are no minors offered in aviation.

For further information, please contact the department of Aviation Science and Technology at 713-313-1846 or come to room 104 of the Airway Science Building.

### LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Sherman, Mark Ed.D.</b>  <b>Associate Professor &amp; Chair</b>                  Ed.D., Oklahoma State University                  Ed.S. University of Central Missouri                  M.A. University of Central Missouri                  M.S., University of Central Missouri                  B.S., University of Central Missouri                  FAA Certified Flight Instructor (Airplane Single Engine and Instrument Airplane)                  Ground Instructor (Advanced and Instrument)                  Commercial Pilot (Airplane Single Engine Land, Glider, and Instrument Airplane)                  Airframe &amp; PowerPlant Mechanic                  FCC General Radiotelephone Operator</p>	<p><b>Odetunde, Christopher Ph.D.</b>  <b>Assistant Professor</b>                  Post Doctorate, Texas A&amp;M University                  Ph.D. Texas A&amp;M University                  M.S., Iowa State University, Ames Iowa                  M.S., Southeastern Institute of Technology                  M.S., Southeastern Institute of Technology                  B.S., Embry-Riddle Aeronautical Engineering</p>
<p><b>Glass, Charles Ed.D.</b>  <b>Assistant Professor</b>                  Ed.D., Texas Southern University                  M.A., Texas Southern University                  M.S.Ed., University of Southern California                  B.A., Prairie View A &amp; M University</p>	

## AVIATION SCIENCE AND TECHNOLOGY COURSE DESCRIPTION

<b>AWS 101</b>	<b>Introduction to Aviation</b> (3) The course covers a brief historical review of early aviation, the freedom and the power of flight from the 15 <sup>th</sup> century drawings and manuscripts of Leonardo de Vinci to modern times, discussing the fundamentals of flight and aeronautical technology, and an introduction to aircraft systems and operations. The dynamics of safety of flight, human factors, interpreting aeronautical graphic representation, introductory navigation, air traffic control and airspace, and aviation weather aspects are topics of discussion. Three hours of lecture per week.
<b>AWS 101L</b>	<b>Introduction to Aviation Lab</b> (1) Instruction directed towards oral presentations on events in aviation history and field trips to aviation facilities. Two hours of lab per week
<b>AWS 102</b>	<b>Aviation History</b> (3) This course covers an overview of aviation history with a focus on the United States. Additionally, the course will discuss the origin of aircraft equipment. Three hours of lecture per week.
<b>AWS 103</b>	<b>Private Pilot Ground</b> (3) Private pilot ground covers the cockpit instruments and system, fundamentals of flight, aircraft performance charts, and cross country planning. Three hours of lecture per week.
<b>AWS 105</b>	<b>Private Pilot Flight</b> (3) This course prepares the student for the FAA Private Pilot Practical Examination. Successful completion of this course will permit the student to perform as a pilot in command of single engine aircraft transport of passengers or property; excluding fees or employment. Three hours of lecture per week. FAA approved. Prerequisite: AWS 103, Corequisite: 105L
<b>AWS 105L</b>	<b>Private Pilot Flight Lab</b> (3) Practical application of aeronautical skills in a laboratory setting. Three hours of laboratory per week. Prerequisite: AWS 103. Corequisite: AWS 105.
<b>AWS 113</b>	<b>Introduction to Flight</b> (3) Introduction to Flight covers the fundamentals of flight. Three hours of lecture per week. Three hours of lecture per week. Co-requisite: AWS 113L
<b>AWS 113L</b>	<b>Introduction to Flight Lab</b> (1) Practical application of aeronautical skills in a laboratory setting. Two hours of lab per week Co-requisite: AWS 113.
<b>AWS 120</b>	<b>Transportation Survey</b> (3) Transportation systems and their impact on society. Standard research practices will be introduced. Three hours of lecture per week.
<b>AWS 200</b>	<b>Basics of Communications</b> (3) In accordance with FAA orders 7110.65 and 7110.10, the student will identify basic radio and interphone communications, ICAO phonetics, numbers usage, basic phraseology, coordination procedures, purpose and steps of the position relief briefing. Three hours of lecture per week.
<b>AWS 201</b>	<b>Flight Meteorology</b> (3) This course provides a detailed knowledge of the environmental factors critical to safe flight operations. The course covers weather systems, upper-air characteristics, flight hazards, weather-related topics in flight safety, meteorological flight planning, use of weather information systems, and the reports and charts used for aviation weather reporting and forecasting. Survey of atmospheric and weather-related phenomena and their impact on flight operations, including the interface of airmen and flight service stations. Three hours of lecture per week. Prerequisite: AWS 105, AWS 105L Corequisite: AWS 201L.

<b>AWS 201L</b>	<b>Flight Meteorology Lab</b> Survey of atmospheric and weather-related phenomena and their impact on flight operations, including the interface of airmen and flight service stations. Two hours of lab per week Prerequisite: AWS 105, AWS 105L Corequisite: AWS 201.	<b>(1)</b>
<b>AWS 203</b>	<b>Introduction to Air Traffic Control</b> Study of the role of centers, approach towers, flight service stations, communication, and navigation procedures. Three hours of lecture per week.	<b>(3)</b>
<b>AWS 205</b>	<b>Airport Management</b> Origin of early legislation shaping development of present National Airport System; procedures for financing airport construction, phases of airport master planning, daily operations, and contractual provisions governing the operations of an airline. Three hours of lecture per week.	<b>(3)</b>
<b>AWS 214</b>	<b>Introduction to Homeland Security</b> This course provides a survey of historical events, practices, and policies of the emergency management system in the aviation industry. Three hours of lecture per week. Prerequisite: AWS 101, AWS 205	<b>(3)</b>
<b>AWS 218</b>	<b>Instrument Ground</b> The course is designed to prepare students to successfully complete the FAA Instrument Knowledge Test. Topics of the course include FARs and AIM, ATC system and procedures, IFR navigation and approaches, enroute and instrument approach charts, weather, safe and efficient aircraft operations, and CRM. Three hours of lecture per week. Prerequisite: AWS 103, AWS 105 Corequisite: AWS 218L	<b>(3)</b>
<b>AWS 218L</b>	<b>Instrument Flight</b> Students will attain the knowledge and skill necessary for Instrument ground and flight rating and exercise the privileges of the rating. Completion of the FAA knowledge exam is necessary for this rating. Prerequisite: AWS 103, AWS 105, Corequisite: AWS 218	<b>(1)</b>
<b>AWS 222</b>	<b>Laws and Ethics in Homeland Security Emergency Management</b> This course focuses on the legal, liability and ethical concepts underlying international and domestic legal rights in the context of HSEM in aviation environments. Three hours of lecture per week. Prerequisite: AWS 214.	<b>(3)</b>
<b>AWS 310</b>	<b>Emergency Planning and Mitigation</b> Provides foundation knowledge and develops skills in emergency planning, hazard mitigation, and incident management in aviation environments. Three hours of lecture per week. Prerequisite: AWS 205	<b>(3)</b>
<b>AWS 312</b>	<b>Commercial Pilot Certification</b> Successful completion of the course will certify the pilot to perform as a pilot in command of single engine aircraft and hired and compensated. Course includes advanced aerodynamics, aircraft performance, precision maneuvers, extended cross-country and night flight, FAA regulations, and an introduction to advanced systems of highly developed futuristic aircraft. FAA approved. Three hours of lecture per week. Prerequisite: AWS 218, AWS 218L	<b>(3)</b>
<b>AWS 313</b>	<b>International Flight Theory</b> This course provides descriptions and familiarization of large transport category aircraft and their on-board systems from electrical power systems to oxygen systems, to communication systems, and beyond. This course also contains general information and guidance for operators planning oceanic flights, including authorizations needed for operations outside the continental United States. This includes Special Areas of Operation (SAO) such as North Atlantic Minimum Navigation Performance Specifications (NAT/MNPS), Reduced Vertical Separation Minimums (RVSM), Area Navigation (RNAV), and Required Navigation Performance (RNP) airspace. Prerequisite: AWS 312	<b>(3)</b>

- AWS 315 Multi- Engine Rating (3)**  
This course is designed to prepare the student for the FAA Multiengine Rating Practical Examination. Successful completion of this course will permit the student to operate as a pilot in command of a multiengine airplane. FAA Approved. Three hours of lecture per week. Prerequisite: AWS 312.
- AWS 321 Air Traffic Control (3)**  
This course provides an overview of the development and application of Air Traffic Control (ATC) separation standards and procedures for the control of instrument flight in controlled airspace. A study of the national air traffic control system is discussed with an emphasis on basic air traffic control procedures; the roles of Center, Approach Control, Tower, and Flight Service Station. Includes communications, navigation procedures, radar operations, and facilities. Three hours lecture per week. Co-requisite: AWS 321L
- AWS 321L Air Traffic Control Lab (1)**  
Practical application of air traffic control skills in a laboratory setting. Two hours of laboratory per week. Co-requisite: AWS 321.
- AWS 345 Principles of Aviation Property (3)**  
Study of the processes of planning, organizing, directing, and controlling aviation property at fixed based operations. Three hours of lecture per week. Prerequisite: AWS 205
- AWS 351 Aviation Law (3)**  
Chronological development of aviation law, federal and state regulatory functions, rights and liabilities of aviators, commercial air carrier operations, and the traveling public. Includes FAA regulations and directives governing airport operations, air carrier safety, and aviation security. Three hours of lecture per week.
- AWS 352 Aviation Business Organization Management (3)**  
A study of the role of business operations and techniques at small and large airports. Three hours of lecture per week. Prerequisite: AWS 205
- AWS 380 Flight Instruction Airplane (3)**  
This course is a study of the fundamentals of airplane flight instruction involving educational principles of the learning and teaching process, communication, teaching methods, critiquing, evaluating, and planning instructional activity. Three hours of lecture per week. Prerequisite: AWS 315.
- AWS 381 Air Carrier Management (3)**  
Historical development of U.S. trunk carrier operations and regulatory interfaces with the federal government, International Civil Aviation Organization (ICAO), and the International Air Transport Association (IATA). Three hours of lecture per week.
- AWS 400 Flight Instructor Instrument (3)**  
Instruction, flight training and practice teaching to obtain the aeronautical skills and knowledge necessary for FAA Certified Flight Instructor, Instruments. Prerequisite: AWS 315
- AWS 401 Advanced Aerodynamics (3)**  
Advanced theories of flight and flight factors, including airfoil shape, drag velocity, lift and thrust, stability and control; advanced principles of performance, including capabilities and limitations, performance and design criteria, load factors, weight and balance charts, comparative analysis of aircraft, and certification of aircraft. Three hours of lecture per week. Prerequisite: 312
- AWS 402 Effective HSEM Communications & Leadership (3)**  
Prepares future aviation professionals with communication and leadership skills to fulfill team-building roles with government and non-government agencies during times of aviation disasters. Three hours of lecture per week. Prerequisite or Corequisite: AWS 310

- AWS 403**                      **Turboprop Familiarization**                      (3)  
This course studies Turboprop and turbojet engines and their operation. Electrical, pressurization, hydraulic, and fuel systems will be examined. Three hours of lecture per week. Prerequisite: AWS 315
- AWS 404**                      **Flight Safety**                      (3)  
Instruction emphasizing personal and institutional safety goals within the framework of the FAA. Three hours of lecture per week. Prerequisite AWS 312
- AWS 406**                      **The National Airspace System**                      (3)  
Overview of the proposed NAS Plan, including problems such as airspace allocation, airspace usage, facilities, and safety. Three hours of lecture per week. Prerequisite: AWS 218
- AWS 407**                      **Aviation Service Operations**                      (3)  
Study of different aviation services at airports such as fueling services, ramp operators, and environmental management. The course will also cover operational management issues including Fixed Based Operations, general aviation, and relationship between private and governmental partners in the industry. Three hours of lecture per week. Prerequisite: AWS 205
- AWS 409**                      **General Aviation Management (Fixed Based Ops)**                      (3)  
A study of fixed based operations and its functions and responsibilities of managing the facility. The course will also examine sources of profit, management, maintenance and operations. Three hours of lecture per week. Prerequisite: AWS 205
- AWS 415**                      **Aeronautical Charts and Publications**                      (3)  
The student will become familiar with VFR Charts, FAA publications, en-route IFR Charts, SI Ds & STARS, approach plates, and emergency rescue procedures. Three hours of lecture per week. Prerequisite: AWS 312
- AWS 425**                      **Flight Physiology**                      (3)  
A study of the causes, symptoms, treatment, and prevention of medical issues associated with flight. Three hours of lecture per week. Prerequisite: AWS 105, AWS 105L, AWS 315
- AWS 444**                      **Aviation Project System Management**                      (3)  
A study of the role of project managers using software programs and systems analysis techniques. Three hours of lecture per week. Prerequisite: AWS 205 Corequisite: 444L
- AWS 444L**                      **Aviation Project System Management Lab**                      (1)  
Laboratory training of the role of project managers using software programs and systems analysis techniques. Prerequisite 205 , Co-requisite: AWS 444
- AWS 495**                      **Field Work Practicum in Aviation Science**                      (3)  
Directed study involving field placement which provide students with practical exposure to present operational and managerial practices in aviation. This course also provides internal and external classroom work to develop skills in research, proposal, and grant writing. Prerequisite: Permission of the Chair



**BACHELOR OF SCIENCE DEGREE  
AVIATION SCIENCE MANAGEMENT TRACK  
CREDITS REQUIRED 120**

First Year	FIRST SEMESTER		SCH	SECOND SEMESTER		SCH
	ENG 131	English I	3	ENG 132	English II	3
	MATH 241	Calculus I	3	Natural Science	Biol 143 or Chem 131	3
	AWS 101	Intro to Aviation	3	Natural Science	Biol 143L or Chem 111	1
	AWS 102	Aviation History	3	AWS 103	Intro to Private PilotGround	3
	CS 116	Intro to Computer Science	3	SC 136	Business & Prof Communications	3
	FS 102	Freshman Seminar	1	Music 239	Fine Arts	3
			<b>16</b>			<b>16</b>
Second Year	THIRD SEMESTER		SCH	FOURTH SEMESTER		SCH
	ENG 235	American Literature	3	ACCT 232	Principles of Acct II	3
	PHYS 101	Principles of Physical Sciences	4	HIST 231	US Soc & Pol. History to 1877	3
	ACCT 231	Principles of Acct I	3	*AWS 207	Aviation Law	3
	PSY 131	General Psychology	3	AWS 214	Intro to HSEM	3
	AWS 120	Transportation Survey	3	AWS 205	Airport Management	3
		<b>16</b>			<b>15</b>	
Third Year	FIFTH SEMESTER		SCH	SIXTH SEMESTER		SCH
	FIN 301	Basic Financial Management	3	ECON 231	Principles of Econ	3
	HIST 232	US Soc & Pol History from 1877	3	MGSC 239	Business Statistics I	3
	AWS 222	Intl Law & Ethics in HSEM	3	AWS 310	Airport Emergency Planning, Mitigation & Incident Management	3
	POLS 231	American Political System I	3	MGMT 300	Principals of Management	3
				POLS 232	American Political System II	3
		<b>12</b>			<b>15</b>	
Fourth Year	SEVENTH SEMESTER		SCH	EIGHTH SEMESTER		SCH
	AWS 352	Aviation Business Organization & Management	3	AWS 495	Field Work Practicum in Aviation Science	3
	MGMT 301	Personnel and Human Resource Development	3	MGMT 407	Legal Environment of Human Resource Management	3
	MGMT 330	Organizational Behavior	3	MGSC 302	Operations Management I	3
	AWS 444	Aviation Project and Systems Management	3	MKTG 306	Principals of Marketing	3
	AWS 325	Aviation Design & Operations	3	AWS 345	Principles of Aviation Property Management	3
		<b>15</b>			<b>15</b>	

## TWO YEAR COURSE ROTATION SCHEDULE

X indicates when a course shall be offered

COURSE NUMBER	COURSE NAME	CREDIT	FALL	SPRING	SUM	PREREQUISITES	CO-REQUISITES
AWS 101	INTRO TO AVIATION	3	X				
AWS 101L	INTRO AVIATION LAB	1					
AWS 102	AVIATION HISTORY	3	X	X			
AWS 103	PRIVATE PILOT GROUND	3	X				
AWS 105	PRIVATE PILOT FLIGHT	3	As Required			AWS 103	AWS 105L
AWS 105L	PRIVATE PILOT FLIGHT LAB	3	As Required			AWS 103	AWS 105
AWS 113	INTRO TO FLIGHT	3	As Required				AWS 113L
AWS 113L	INTRO TO FLIGHT LAB	1	As Required				AWS 113
AWS 120	TRANSPORTATION SURVEY	3	X				
AWS 200	BASICS OF COMMUNICATIONS	3	As Required				
AWS 201	FLIGHT METEOROLOGY	3	As Required			AWS 105, 105L	AWS 201L
AWS 201L	FLIGHT METEOROLOGY LAB	1	As Required			AWS 105, 105L	AWS 201
AWS 203	INTRO TO AIR TRAFFIC CONTROL	3	As Required				
AWS 205	AIRPORT MGMT	3	X				
AWS 214	INTRO HOMELAND SECURITY	3	X			AWS 101 AWS 205	
AWS 218	INSTRUMENT GROUND	3	As Required			AWS 103, AWS 105	AWS 218L
AWS 218L	INSTRUMENT GROUND & FLIGHT LAB	2				AWS 103, AWS 105	AWS 218
AWS 222	LAWS & ETHICS IN HSEM	3	X			AWS 214	
AWS 310	EMERGENCY PLANNING&MITIGATION	3		X		AWS 205	
AWS 312	COMMERCIAL PILOT CERTIFICATION	3	As Required			AWS 218, AWS 218L	
AWS 313	INT FLIGHT THEORY	3	As Required			AWS 312	
AWS 315	MULTI-ENGINE RATING	3	As Required			AWS 312	
AWS 321	AIR TRAFFIC CONTROL	3	As Required				AWS 321L
AWS 321L	AIR TRAFFIC CONTROL LAB	1	As Required				AWS 321
AWS 325	Aviation Design and Operations			X		AWS 205	
AWS 345	PRINCIPLES AVIATION PROPERTY	3		X		AWS 205	
AWS 351	AVIATION LAW	3		X			
AWS 352	AVIATION BUSINESS ORG MGMT	3		X		AWS 205	
AWS 380	FLIGHT INSTRUCTION AIRPLANE	3	As Required			AWS 315	
AWS 381	AIR CARRIER MGMT	3	X				
AWS 400	FLIGHT INSTRUCTOR INSTRUMENT	3	As Required			AWS 315	
AWS 401	ADV AERODYNAMICS	3	As Required			AWS 312	

COURSE NUMBER	COURSE NAME	CREDIT	FALL	SPRING	SUM	PREREQUISITES	CO-REQUISITES
AWS 402	EFFECTIVE HSEM CM & LEADERSHIP	3	As Required			AWS 310	
AWS 403	TURBOPROP FAMILIARIZATION	3	As Required			AWS 315	
AWS 404	FLIGHT SAFETY	3	As Required			AWS 312	
AWS 406	NATL AIRSPACE SYSTEM	3		X		AWS 218	
AWS 407	AVIATION SERVICES OPERS	3	As Required			AWS 205	
AWS 409	GEN AVIATION MGMT	3	X			AWS 205	
AWS 415	AERONAUTICAL CHARTS & PUBLICAT	3	As Required			AWS 312	
AWS 425	FLIGHT PHYSIOLOGY	3	As Required			AWS 105, AWS 105L, AWS 315	
AWS 444	AVIATION PROJ SYSTEM MGMT	3		X		AWS 205	AWS 444L
AWS 444L	AVIATION PROJ SYSTEM MGMT LAB	3	As Required			AWS 205	AWS 444
AWS 495	FLD WORK PRACT IN AWS	6	X	X	X	Chair Approval	

## DEPARTMENT OF BIOLOGY

As the largest instructional unit in the College of Science & Technology, the Department of Biology offers courses in Biology (BIOL), the Bachelor of Science (B.S.) Degree in Biology, the Master of Science (M.S.) Degree in Biology, and a minor in Biology for students pursuing majors in other departments where the declaration of a minor is required. In addition, the Department of Biology serves as the academic unit overseeing Texas Southern University's Pre-Nursing Program, which is a non-degree program designed to prepare students for admission into a Bachelor of Science (B.S.) Degree in Nursing degree program. The teaching facilities, research facilities, and faculty members for the Department are housed on the second and third floors of TSU Science Center with the Department Office located in Room 203.

**Students interested in pursuing the Master of Science in Biology should consult the Graduate School Bulletin of Texas Southern University for further information.**

The mission of the Department of Biology is threefold: (1) to provide the opportunity for all students who matriculate through Texas Southern University to become better informed about biological phenomena and life processes, as well as apply information and knowledge gained toward an improved understanding of man, society, and the universe; (2) to provide undergraduate students with the appropriate background in Biology that will allow them to pursue medical, biomedical, and other allied or related careers; and (3) to ensure that undergraduates who intend to matriculate in graduate programs in the biological sciences, or related areas, are adequately prepared.

In pursuing the B.S. in Biology, students may select from the Comprehensive or the Pre-Health Professional curricula. The Comprehensive curriculum is designed to prepare students to enter the workforce or for additional study at the graduate level, while the Pre-Health Professional curriculum is intended to prepare students for professional schools (Medical, Dental, Veterinary, Optometry, Physical Therapy and etc.) upon graduation. Students should contact professional schools directly to ascertain specific admission requirements. The specific requirements for the B.S. in Biology are described, in detail, below. **All students majoring in Biology must declare and complete a minor in a second academic discipline if they are first-time degree seekers. Grades of "C" or better, where grades of "C-" are unacceptable, must be earned in all courses needed to satisfy the major and the minor.** Students should seek detailed advisement from their designated advisors when selecting a minor because the selection of a minor could impact the total number of credits required for graduation. In no case will a student majoring in Biology qualify for graduation at the undergraduate level without satisfactorily completing a minimum of 120 semester credit hours.

The Biology undergraduate curriculum at Texas Southern University is designed to provide a comprehensive general education in the natural sciences, humanities, and social sciences and a strong foundation in the principles of modern biology. Interested students must first gain admission to the University, must satisfy ASSET or any equivalent test requirements, and remove deficiencies identified at the time of admission through the University Testing Center. Shortly after arriving at Texas Southern University, all students interesting in pursuing a degree in Biology will be assigned a pre-major advisor, who will assist in planning the program of study and helping them to achieve their career goals. **Biology pre-majors may petition the department to declare their major as Biology upon the successful completion of Biology 111, 112, 131 and 132 with a cumulative GPA of 2.75. All Biology majors will be required to maintain a GPA of 2.75 with respect to courses in the following cognate areas: Biology, Chemistry, Mathematics, and Physics.** If a student's overall GPA falls below 2.75 for two consecutive semesters the student will be removed from the list of designated majors and minors in Biology. Once admitted, students are each assigned an official faculty advisor who must approve their individual schedules of courses for each semester or term of enrollment. All majors should request that the Faculty Chair or the Departmental Appointee evaluate their transcripts at the beginning of their senior year to verify eligibility for degree conferral at the end of that year. **All Biology majors are required to pass an exit examination prior to conferral of their degree. It is recommended that all Biology majors enroll to take the exit examination in the spring semester (2nd Monday in April) of the junior year. Students who do not pass the exit exam may take as a remedial course BIOL 439 (Principles of Biology). NOTE: If a student fails the exit exam and takes BIOL 439, these credits will not be applicable to the total biology hours required for the student's specific curriculum.**

Individuals interested in seeking certification for teaching in the public schools of Texas in Biology should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.

For the minor in Biology, 21 semester credit hours are required through enrollment in the following courses: BIOL 131 (3 credits), BIOL 132 (3 credits), BIOL 231 Cell Biology (3 credits), BIOL 232 Developmental (3 credits), and 9 additional 300-level or 400-level

BIOL credits. Although students are required to take BIOL 111 (1 credit) and BIOL 112 (1 credit) as co-requisites with BIOL 131 and BIOL 132, respectively, these 2 credits are not counted toward the completion of the minor in Biology. In conjunction with these 21 credits, at least one year of college chemistry must be completed along with Mathematics 133 and 134 or 136. **Grades of “C” or better, where grades of “C-” are unacceptable, must be earned in all courses needed to satisfy the minor.**

Further information may be obtained by contacting the Department Office at (713)-313-7005.

#### LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Abdel-Rahman, Fawzia</b>  <b>Professor</b>            B.Sc., University of Cairo, Egypt            M.S., Ph.D., University of California at Davis</p>	<p><b>Olufemi, Shodimu-Emmanuel</b>  <b>Assistant Professor</b>            B.S., M.S., Texas Southern University            Ph.D., Howard University</p>
<p><b>Fadulu, Sunday O. Professor</b>            B.S., Oklahoma Baptist University            M.S., Ph. D., University of Oklahoma</p>	<p><b>Player, Audrey</b>  <b>Assistant Professor</b>            B.S., University of North Texas            Ph.D., Wright State University</p>
<p><b>Gardiner, Linda M.</b>  <b>Visiting Assistant Professor</b>            B.S., Ph.D., Texas Southern University</p>	<p><b>Rosenzweig, Jason</b>  <b>Assistant Professor</b>            B.S., Florida Atlantic University            Ph.D., University of Miami (Miller School of Medicine)</p>
<p><b>Hillar, Marian</b>  <b>Professor</b>            M.D., Ph.D., University Medical School at Gdansk, Poland</p>	<p><b>Shishodia, Shishir</b>  <b>Associate Professor</b>            B. S., Ranchi University, Ranchi, India.            M.S., Ph.D., Banaras Hindu University, Varanasi, India</p>
<p><b>Hollomon, Mario</b>  <b>Visiting Assistant Professor</b>            B.S., Prairie View A&amp;M University            M.S., Ph.D., Texas Southern University</p>	<p><b>Sodipe, Ayodotun</b>  <b>Assistant Professor</b>            B.S., Ph.D., Texas Southern University</p>
<p><b>Jackson, Desirée</b>  <b>Associate Professor</b>            B.S., State University of New York College at Brockport            Ph.D., Meharry Medical College</p>	<p><b>Sundaresan, Alamelu</b>  <b>Associate Professor</b>            B.Sc., Women’s Christian College, Madras            M.Sc, University of Pondicherry and The World Health Organization, Geneva            Ph.D., University of Texas Health Science Center, Houston</p>
<p><b>Jejelowo, Olufisayo</b>  <b>Professor</b>            B.Sc. (Honors), University of Lagos, Nigeria            M.Sc., Ph.D., University of Manchester, United Kingdom</p>	<p><b>Williams, Warren</b>  <b>Associate Professor</b>            B.S., M.S., Texas Southern University            Ph.D., University of Illinois</p>
<p><b>Miranda, Hector</b>  <b>Associate Professor</b>            B.S., M.S., University of the Philippines at Los Baos            Ph.D., University of Cincinnati</p>	

## BIOLOGY COURSES

- BIOL 111**                    **Biological Science Laboratory I**                    (1)  
Laboratory course devoted to the study of basic life processes and the structural and functional organization of plants and animals. One hour of lecture and two hours of laboratory per week. Co-requisite: BIOL 131. Listed as BIOL 1106 in the Texas Common Course Numbering System.
- BIOL 112**                    **Biological Science Laboratory II**                    (1)  
Continuation of Biology 111 with emphasis on biological concepts and processes. One hour of lecture and two hours laboratory per week. Prerequisite: BIOL 111. Co-requisite: BIOL 132. Listed as BIOL 1107 in the Texas Common Course Numbering System.
- BIOL 131**                    **Biological Science I**                    (3)  
Integrated approach to the study of basic biological principles which are presented through the hierarchy of living systems. Three hours of lecture per week. Co-requisite: BIOL 111. Listed as BIOL 1306 in the Texas Common Course Numbering System.
- BIOL 132**                    **Biological Science II**                    (3)  
Continuation of BIOL 131. Three hours of lecture per week. Prerequisites: BIOL 111, BIOL 131. Co-requisite: BIOL 112. **Listed as BIOL 1307 in the Texas Common Course Numbering System.**
- BIOL 135**                    **Human Anatomy and Physiology I**                    (4)  
Course designed for health careers and pre-nursing students emphasizing the structure-function relationships of human organ systems. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 135L. Prerequisites: BIOL 112 and BIOL 132. Listed as BIOL 2401 in the Texas Common Course Numbering System.
- BIOL 136**                    **Human Anatomy and Physiology II**                    (4)  
Continuation of BIOL 135. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 136L. Prerequisite: BIOL 135. Listed as BIOL 2402 in the Texas Common Course Numbering System.
- BIOL 143**                    **Survey of Life Science**                    (4)  
In-depth coverage of selected biological principles for non-majors covering the molecular through the population levels of life forms and functions. Methods of inquiry and analysis emphasized. Three hours of lecture and one hour of discussion/demonstrations per week. Co-requisite: BIOL 143L. Listed as BIOL 1408 in the Texas Common Course Numbering System.
- BIOL 211**                    **Cell Biology Laboratory**                    (1)  
Laboratory experiments and exercises to complement BIOL 231 Cell Biology. Three hours of laboratory per week. Co-requisite: BIOL 231.
- BIOL 212**                    **Developmental Biology Laboratory**                    (1)  
Laboratory experiments and exercises to complement BIOL 232 Developmental Biology. Three hours of laboratory per week. Co-requisite: BIOL 232.
- BIOL 231**                    **Cell Biology (Previously BIOL 241)**                    (3)  
Molecular biology of cells encompassing ultra-structure, biosynthesis of macromolecules, chromosome and gene structure, control of gene expression, cell cycles, cytoskeleton movement, and energetic. Three hours of lecture per week. Co-requisite: BIOL 211 (laboratory). Prerequisites: BIOL 111, BIOL 112, BIOL 131, BIOL 132, and one year of college level chemistry.
- BIOL 232**                    **Developmental Biology (Previously BIOL 243)**                    (3)  
Consideration of development in diverse organisms with an emphasis on comparative vertebrate development. Three hours of lecture per week. Co-requisite: BIOL 212 (laboratory). Prerequisites: BIOL 111, BIOL 112, BIOL 131, and BIOL 132.

<b>BIOL 245</b>	<b>Human Anatomy and Physiology</b> Integrated approach to the study of the organ systems of man for non-majors where the relationship between anatomy and function is emphasized. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 245L. Prerequisite: One year of college level biology. (BIOL 143 does not qualify in meeting this prerequisite.)	<b>(4)</b>
<b>BIOL 246</b>	<b>Microbiology for Health Related Professions</b> Morphology and physiology of microorganisms important in community health. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 246L. Prerequisites: BIOL 135 and BIOL 136. <b>Listed as BIOL 2420 in the Texas Common Course Numbering System.</b>	<b>(4)</b>
<b>BIOL 300</b>	<b>Seminar for Health Related Professions</b> Designed to broaden the perspectives of students preparing to pursue health professional careers. Students may enroll for a maximum of two semesters. One hour of lecture per week. Prerequisites: BIOL 112 and BIOL 132.	<b>(1)</b>
<b>BIOL 332</b>	<b>Bioinformatics</b> Investigates the application of molecular biology, computers and the internet to generate and manage DNA and protein sequence data. Lecture and laboratory will involve generation, management and analysis of real and archived (in Genbank) data, including that from the Human Genome Project. With emphasis on genome organization and evolution, archival (web-based) and information retrieval, sequence assembly, alignment, comparative genomics, phylogenetics and evolutionary inferences, analyses of protein structure and micro-array data. Two hours of lecture per week and three hours of laboratory. Co-requisite: BIOL 332L. Prerequisites: BIOL 131 and BIOL 132.	<b>(3)</b>
<b>BIOL 334</b>	<b>Conservation Biology</b> This course is designed to investigate biodiversity patterns across evolutionary time and place, the human impact on wild populations and habitats, the social, cultural and political issues at the local and global level, and search for sustainable solutions to a world of expanding human populations with limited resources. Three hours of lecture per week. Prerequisites: BIOL 131 and BIOL 132.	<b>(3)</b>
<b>BIOL 338</b>	<b>Genetics</b> In-depth discussion of the basic concepts of Mendelian, neo-Mendelian, molecular, and population genetics. Three hours of lecture per week. Prerequisites: Two years of college level biology and one year of college level chemistry.	<b>(3)</b>
<b>BIOL 340</b>	<b>Biochemistry of Biological Compounds</b> Physico-chemical nature of proteins, carbohydrates, lipids, and nucleic acids; kinetic function of enzymes; and structure of biological membranes. Three hours of lecture per week. Prerequisites: One year of college level biology and chemistry.	<b>(3)</b>
<b>BIOL 341</b>	<b>Organismic Biology</b> Comparative and integrated approach to the study of organisms emphasizing diversity, maintenance, coordination, and function of organ systems. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 341L. Prerequisites: BIOL 112 and BIOL 132.	<b>(4)</b>
<b>BIOL 343</b>	<b>Ecology</b> A study of ecosystems from the standpoint of functional dynamics as well as the roles of ecological, evolutionary and adaptive processes in shaping the environment. Three hours of lecture per week. Prerequisites: BIOL 112 and BIOL 132.	<b>(3)</b>
<b>BIOL 344</b>	<b>Vertebrate Anatomy and Histology</b> Gross and microscopic anatomy of the organ systems of vertebrates with an emphasis on histology essential to understanding drug effects on functional anatomy for pharmacy students. Co-requisite: BIOL 344L. Three hours of lecture and three hours of laboratory per week.	<b>(4)</b>

- BIOL 345 Ecology Laboratory (1)**  
This course is designed for both field and laboratory ecological studies. Three hours of laboratory per week. Prerequisites: BIOL 112 and BIOL 132.
- BIOL 347 Microbiology (4)**  
Taxonomy, structure, life cycles, physiology, biochemistry, and role in ecosystems of selected groups of microorganisms. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 347L. Prerequisites: One year of college level biology and organic chemistry.
- BIOL 348 Experiments in Biology (4)**  
Key experiments in cell biology, biochemistry, cell physiology, and genetics. One hour of lecture and five hours of laboratory per week. Prerequisites: Two years of college level biology and one year of chemistry.
- BIOL 349 Entomology (4)**  
To study biology, anatomy, physiology, development, classification, ecology and relation of insects to human welfare. Three hours of laboratory per week. Co-requisite: BIOL 349L. Prerequisites: One year of college level biology.
- BIOL 401 Undergraduate Research (1)**  
Designed to provide supervised experiences in the theoretical and experimental aspects of biological research to undergraduates. Three hours of laboratory per week. Prerequisite: Consent of the instructor.
- BIOL 434 Evolutionary Biology (3)**  
This course will investigate the fundamental principles of evolution by natural selection, population genetics, historical reconstructions, and attempt to apply these principles to ecology, development, physiology, medicine, and sociobiology. Three hours of lecture per week. Prerequisites: BIOL 131 and BIOL 132.
- BIOL 435 History & Philosophy of Science (3)**  
A study of the history and philosophy of science, and, in particular, the history of the life sciences giving broader insight into the evolutionary process of how science was developed and what mechanisms operated. The course will examine characteristics, distinguishing scientific inquiry from other types of investigation; procedures scientists use in investigating nature; conditions to be satisfied for a scientific explanation to be correct; and the cognitive status of scientific laws and principles. Three hours of lecture per week. Prerequisite: Senior standing.
- BIOL 438 Plant Biology (3)**  
Plant structure and physiology; plant biotechnology; medicinal plants; and interactions between plants and their environment. Two hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 438L. Prerequisites: BIOL 112 and BIOL 132.
- BIOL 439 Principles of Biology (3)**  
Comprehensive review of basic biological principles operating at various levels of organization in living systems. Two hours of lecture and two hours of laboratory per week. Co-requisite: BIOL 439L. Prerequisites: BIOL 112, BIOL 132, and enrollment in Teacher Certification program.
- BIOL 441 Histology (4)**  
Microscopic study of the anatomy and relevant functions of vertebrate tissues and organs using light microscopy and selected electron micrographs. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 441L. Prerequisite: BIOL 231 or BIOL 232 or BIOL 341.
- BIOL 443 Molecular Biology (4)**  
Study of intracellular molecular processes. Three hours of lecture per week. Co-requisite: BIOL 443L. Prerequisites: 2 years of college level biology and 2 years of college level chemistry; Junior standing in Biology.



- BIOL 446**                    **Human Physiology Laboratory**                    (1)  
Laboratory experiments and exercises to complement BIOL 447 Human Physiology. Co-requisite: BIOL 447. Prerequisites: BIOL 112, BIOL 132, and one year of college chemistry.
- BIOL 447**                    **Human Physiology**                    (3)  
Comprehensive treatment of the physiology, biochemistry and biophysics of organ systems in humans. Three hours of lecture per week. Co-requisite: BIOL 446. Prerequisites: BIOL 112, BIOL 132, one year of college chemistry, and Junior or Senior standing in Biology.
- BIOL 448**                    **Molecular Physiology and Biophysics**                    (3)  
Physiological, biochemical, and biophysical consideration of various cellular processes with special emphasis on molecular mechanisms in photosynthetic and respiratory reactions. Three hours of lecture per week. Prerequisites: Junior or Senior standing in Biology, one year of General Chemistry, one year of Organic Chemistry and one year of College Physics.
- BIOL 450**                    **Molecular Genetics**                    (3)  
In-depth study of the biochemistry and chemistry of genes including aspects of gene expression and that of biotechnology. Three hours of lecture per week. Prerequisite: Junior or Senior standing in Biology.
- BIOL 451**                    **Parasitology**                    (4)  
The study of parasites, their hosts, and the relationships between them as illustrated by the study of protozoans, helminths, nematodes and arthropods. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 451L. Prerequisites: One year of college level biology; BIOL 341.
- BIOL 452**                    **Intermediary and Cellular Metabolism**                    (3)  
Quantitative bioenergetics; patterns of breakdown and synthesis of cellular metabolite; metabolic and hormonal regulations; integration and pathological disorders; and relevance of metabolism to medicine. Three hours of lecture per week. Prerequisite: BIOL 340.
- BIOL 454**                    **Immunology**                    (3)  
Comprehensive overview of the immune system and immunological mechanisms. Two hours of lecture and three hours of laboratory per week. Co-requisite BIOL 454L. Prerequisite: Junior or Senior standing in Biology.
- BIOL 460**                    **Biostatistics**                    (3)  
Evaluation of the significance of the results of biological experiments, observations, and clinical data through statistical analysis. Three hours of lecture per week. Prerequisites: BIOL 112, BIOL 132, one year of college level mathematics, and Junior or Senior standing in Biology.
- BIOL 461**                    **Environmental Sampling and Analysis**                    (3)  
Sampling of water, air and other substances of ecological significance and their chemical and statistical analysis for suspected pollutants in Harris and other counties in Texas. Prerequisites: Junior or Senior standing in Biology.
- BIOL 499**                    **Biology Seminar**                    (1)  
Consideration of various biological problems and recent research. One hour of lecture per week. Prerequisite: Junior or Senior standing in Biology.

**CURRICULUM SUMMARY FOR BACHELOR OF  
SCIENCE DEGREE IN BIOLOGY  
COMPREHENSIVE TRACK  
TOTAL CREDITS REQUIRED: 120 – 141 (depends on minor selected)**

CORE CURRICULUM* (STANDARD)	MAJOR (BIOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
<b>44 credits</b>	<b>49 credits</b>	<b>27 credits</b>	<b>21 credits</b>
ENG 131 (3)**	BIOL 111 (1)	CHEM 211 (1)	Contact Department of choice after being admitted as a Biology Major.  Chemistry is highly recommended as a minor for Biology majors***
ENG 132 (3)	BIOL 112 (1)	CHEM 212 (1)	
SC 135 or 136 (3)	BIOL 131 (3)	CHEM 231 (3)	
MATH 133 (3)	BIOL 132 (3)	CHEM 232 (3)	
CHEM 111, 131 (4)	BIOL 211 (1)	MATH 136 (3)	
CHEM 112, 132 (4)	BIOL 212 (1)	MATH 241 (4)	
ENG 2xx (3)	BIOL 231 (3)	MATH 231	
MUSI 131 or	BIOL 232 (3)	or BIOL 460 (3)	
ART 131 (3)	BIOL 338 (3)	PHYS 213 (1)	
HIST 231 (3)	BIOL 341 (4)	PHYS 214 (1)	
HIST 232 (3)	BIOL 347 (4)	PHYS 237 (3)	
POLS 231 (3)	BIOL 443 (4)	PHYS 238 (3)	
POLS 232 (3)	<b>Plus</b>	FS 102 (1)	
PSY 131 or	18 Upper Level BIOL credits selected from the following:		
SOC 157 or			
SOC 158 (3)			
CS 116 (3)	BIOL 300 (1), BIOL 332 (3),		
	BIOL 334 (3), BIOL 340 (3),		
	BIOL 343 (3), BIOL 344 (4),		
	BIOL 345 (1), BIOL 348 (4),		
	BIOL 349 (3), BIOL 401 (1),		
	BIOL 431 (3), BIOL 434 (3),		
	BIOL 435 (3), BIOL 438 (3),		
	BIOL 439 (3), BIOL 441 (4),		
	BIOL 446 (1), BIOL 447 (3),		
	BIOL 448 (3), BIOL 450 (3),		
	BIOL 451 (4), BIOL 452 (3),		
	BIOL 454 (3), BIOL 461 (3),		
	or BIOL 499 (1)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* In selecting Chemistry as a minor, Biology majors need only two additional courses: **CHEM 322 (2 credits)** and **CHEM 332 (3 credits)**. For other minors selected, up to 21 credits may be needed if these minors do not have credits required in other categories for the Biology degree.

**College of Science and Technology**  
**Texas Southern University Bachelor of Science Degree in Biology Comprehensive Track**  
**Four Year Degree Plan - Total Credits: 125 (with Chemistry minor)**

First Year	First Semester		Second Semester	
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	MATH 133 College Algebra	3	MATH 136 Precalculus	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	FS 102 Freshman Seminar	1	CS 116 Computer Science I Lec	3
		15 hrs		17 hrs

Second Year	Third Semester		Fourth Semester	
	BIOL 211 Cell Biology Lab	1	BIOL 338 Genetics	3
	BIOL 231 Cell Biology	3	BIOL 341 Organismic Biology	4
	BIOL 212 Developmental Biology Lab	1	CHEM 212 Organic Chemistry II lab	1
	BIOL 232 Developmental Biology	3	CHEM 232 Organic Chemistry II Lec	3
	CHEM 211 Organic Chemistry I Lab	1	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3
	CHEM 231 Organic Chemistry I Lec	3	PSY 131 or SOC 157 or SOC 158 Intro to Psychology or Sociology or Contemporary Social Issues	3
	MATH 241 Calculus & Analytic Geometry I	4		
	16 hrs		17 hrs	

Third Year	Fifth Semester		Sixth Semester	
	BIOL 347 Microbiology	4	BIOL Electives	4
	CHEM 322 Quantitative Analysis Lab	2	BIOL 443 Molecular Biology	4
	CHEM 332 Quantitative Analysis Lec	3	ENG 2xx Upper level English	3
	SC 135 or 136 Business & Professional Communication or Public Address	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	POLS 231 American Political Systems I	3
	15 hrs		17 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	BIOL Electives	7	BIOL Electives	7
	POLS 232 American Political Systems II	3	MATH 231 or BIOL 460 Elementary Statistics or Biostatistics	3
	PHYS 213 – College Physics lab I	1	PHYS 214 – College Physics Lab II	1
	PHYS 237 – College Physics I	3	PHYS 238 – College Physics II	3
	14 hrs		14 hrs	

**CURRICULUM SUMMARY FOR BACHELOR OF  
SCIENCE DEGREE IN BIOLOGY  
PRE-HEALTH PROFESSIONAL TRACK  
TOTAL CREDITS REQUIRED: 120 – 141 (depends on minor) selected)**

CORE CURRICULUM* (STANDARD)	MAJOR (BIOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
<b>44 credits</b>	<b>49 credits</b>	<b>27 credits</b>	<b>21 credits</b>
ENG 131 (3)**	BIOL 111 (1)	CHEM 211 (1)	Contact Department of choice after being admitted as a Biology Major.  Chemistry is highly recommended as a minor for Biology majors***
ENG 132 (3)	BIOL 112 (1)	CHEM 212 (1)	
SC 135 or 136 (3)	BIOL 131 (3)	CHEM 231 (3)	
MATH 133 (3)	BIOL 132 (3)	CHEM 232 (3)	
CHEM 111, 131 (4)	BIOL 211 (1)	MATH 136 (3)	
CHEM 112, 132 (4)	BIOL 212 (1)	MATH 241 (4)	
ENG 2xx (3)	BIOL 231 (3)	MATH 231 or BIOL 460 (3)	
MUSI 131 or	BIOL 232 (3)	PHYS 213 (1)	
ART 131 (3)	BIOL 338 (3)	PHYS 214 (1)	
HIST 231 (3)	BIOL 340 (3)	PHYS 237 (3)	
HIST 232 (3)	BIOL 341 (4)	PHYS 238 (3)	
POLS 231 (3)	BIOL 347 (4)	FS 102 (1)	
POLS 232 (3)	BIOL 441 (4)		
PSY 131 or	BIOL 443 (4)		
SOC 157 or	BIOL 447 (3)		
SOC 158 (3)	BIOL 452 (3)		
CS 116 (3)	BIOL 454 (3)		
	BIOL Elective (2)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* In selecting Chemistry as a minor, Biology majors need only two additional courses: **CHEM 322 (2 credits)** and **CHEM 332 (3 credits)**. For other minors selected, up to 21 credits may be needed if these minors do not have credits required in other categories for the Biology degree.

**College of Science and Technology**  
**Texas Southern University Bachelor of Science Degree in Biology**  
**Pre-Health Professional Track**  
**Four Year Degree Plan - Total Credits: 125 (with Chemistry minor)**

First Year	First Semester		Second Semester	
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	MATH 133 College Algebra	3	MATH 136 Precalculus	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	FS 102 Freshman Seminar	1	CS 116 Computer Science I Lec	3
	15 hrs		17 hrs	

Second Year	Third Semester		Fourth Semester	
	BIOL 211 Cell Biology Lab	1	BIOL 338 Genetics	3
	BIOL 231 Cell Biology	3	BIOL 341 Organismic Biology	4
	BIOL 212 Developmental Biology Lab	1	CHEM 212 Organic Chemistry II lab	1
	BIOL 232 Developmental Biology	3	CHEM 232 Organic Chemistry II Lec	3
	CHEM 211 Organic Chemistry I Lab	1	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3
	CHEM 231 Organic Chemistry I Lec	3	PSY 131 or SOC 157 or SOC 158 Intro to Psychology or Sociology or Contemporary Social Issues	3
	MATH 241 Calculus & Analytic Geometry I	4		
	16 hrs		17 hrs	

Third Year	Fifth Semester		Sixth Semester	
	BIOL 340 Biochemistry of Biological Comp.	3	BIOL 441 Histology	4
	BIOL 347 Microbiology	4	BIOL 443 Molecular Biology	4
	CHEM 322 Quantitative Analysis Lab	2	ENG 2xx Upper level English	3
	CHEM 332 Quantitative Analysis Lec	3	HIST 232 Social & Political History of the United States since 1877	3
	SC 135 or 136 Business & Professional Communication or Public Address	3	POLS 231 American Political Systems I	3
	HIST 231 Social & Political History of the United States to 1877	3		
	18 hrs		17 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	BIOL 454 Immunology	3	BIOL 452 Intermediary and Cellular Metabolism	3
	MATH 231 or BIOL 460 Elementary Statistics or Biostatistics	3	BIOL 447 Human Physiology	3
	POLS 232 American Political Systems II	3	PHYS 214 – College Physics Lab II	1
	PHYS 213 – College Physics lab I	1	PHYS 238 – College Physics II	3
	PHYS 237 – College Physics I	3	BIOL Elective	2
	13 hrs		12 hrs	

**MAJOR/ASSOCIATED COURSES FOR THE  
BACHELOR OF SCIENCE DEGREE IN BIOLOGY  
ALL TRACKS  
BY LEVEL AND SEQUENCE**

**Freshman First Semester**

BIOL 111 (Biological Science Laboratory I), 2 cr  
BIOL 131 (Biological Science I, Lecture), 3 cr  
CHEM 111 (General Chemistry Laboratory I), 1 cr  
CHEM 131 (General Chemistry I, Lecture), 3 cr  
MATH 133 (College Algebra), 3 cr

**Second Semester**

BIOL 112 (Biological Science Laboratory II), 2 cr  
BIOL 132 (Biological Science II, Lecture), 3 cr  
CHEM 112 (General Chemistry Laboratory II), 1 cr  
CHEM 132 (General Chemistry II, Lecture), 3 cr  
MATH 136 (Plane Trigonometry), 3 cr

**Sophomore First Semester**

BIOL 211 (Cell Biology Laboratory), 3 cr  
BIOL 212 (Developmental Biology Laboratory), 3 cr  
BIOL 231 (Cell Biology), 3 cr  
BIOL 232 (Developmental Biology), 3 cr  
CHEM 211 (Organic Chemistry Laboratory I), 1 cr  
CHEM 231 (Organic Chemistry I, Lecture), 3 cr  
MATH 241 (Calculus and Analytic Geometry I), 3 cr

**Second Semester**

BIOL 338 (Genetics), 3 cr  
BIOL 341 (Organismic Biology), 4 cr  
CHEM 212 (Organic Chemistry Laboratory II), 1 cr  
CHEM 232 (Organic Chemistry II, Lecture), 3 cr

**Junior First Semester**

BIOL 347 (Microbiology), 4 cr  
CHEM 322 (Quantitative Analysis Laboratory), 2 cr  
CHEM 332 (Quantitative Analysis), 3 cr

**Second Semester**

BIOL 443 (Molecular Biology), 4 cr  
Biology electives, 4 cr

**Senior First Semester**

PHYS 215 (General Physics Laboratory I), 1 cr  
PHYS 237 (General Physics for Life Science Students I), 3 cr  
Biology electives, 7 cr

**Second Semester**

PHYS 216 (General Physics Laboratory II), 1 cr  
PHYS 238 (General Physics for Life Science Students II), 3 cr  
MATH 231 (Elementary Statistics) or BIOL 460 (Biostatistics), 3 cr  
Biology electives, 6 cr

CURRICULUM SUMMARY FOR 2-YEAR PRE-NURSING CURRICULUM TOTAL CREDITS REQUIRED: 71	
CORE CURRICULUM* (STANDARD)	PRE-NURSING
44 credits	27 credits
ENG 131 (3)**	BIOL 131 (3)
ENG 132 (3)	BIOL 132 (3)
SC 135 or 136 (3)	BIOL 136 (4)
MATH 133 (3)	BIOL 246 (4)
CHEM 111, 131 (4)	FN 233 (3)
BIOL 135 (4)	PSY 131 (3)
PHIL 231 (3)	PSY 234 (3)
Visual & Performing Arts (3)	SOCW 345 (3)
HIST 231 (3) <sup>3</sup>	FS 102 (1)
HIST 232 (3) <sup>4</sup>	
POLS 231 (3) <sup>3</sup>	
POLS 232 (3) <sup>4</sup>	
SOC 157 (3)	
CS 116 (3)	

NOTE: It is the responsibility of the student to apply to the degree program of their choice. Completion of TSU's Pre-Nursing program does not guarantee acceptance to any institutions offering a Nursing degree. Some institutions may have additional requirements. The student is responsible for contacting the professional schools of their choice to determine the specific admission requirements.

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Select one of the following: THC 130, THC 231, MUSI 131, MUSI 239, ART 131, or ART 132.

The above courses satisfy the prerequisites for the Nursing Programs at Prairie View A&M University, University of Texas Medical Branch (UTMB) at Galveston and University of Texas at Houston.

Please note requirements for other schools' programs below:

Texas Woman's University (TWU): Literature can be substituted for PHIL 231. SOC 141 and HIST 349 are required.

Houston Baptist University (HBU): Six hours of foreign language is required to satisfy the Humanities requirements (Spanish is recommended). Two hours of Physical Education is required. FN 233 is not required.

**MAJOR/ASSOCIATED COURSES FOR THE  
2-YEAR PRE-NURSING CURRICULUM  
BY LEVEL AND SEQUENCE**

**Freshman First Semester**

ENG 131 (Freshman English I), 3 cr  
BIOL 131 (Biological Science I, Lecture), 3 cr  
MATH 133, 3 cr  
PSY 131 (General Psychology), 3 cr  
SOC 157 (Introduction to Sociology), 3 cr

**Second Semester**

ENG 132 (Freshman English II), 3 cr  
BIOL 132 (Biological Science II, Lecture), 3 cr  
SC 135 (Business and Professional Communication), 3 cr, **or**  
SC 136 (Public Address), 3 cr  
CHEM 111 (General Chemistry Laboratory I), 1 cr  
CHEM 131 (General Chemistry I, Lecture), 3 cr  
Visual & Performing Arts, 3 cr

**First Summer Session**

HIST 231 (Social and Political History of the United States to 1877), 3 cr  
POLS 231 (American Political Systems I), 3 cr

**Second Summer Session**

HIST 232 (Social and Political History of the United States since 1877), 3 cr  
POLS 232 (American Political Systems II), 3 cr

**Sophomore First Semester**

BIOL 135 (Human Anatomy and Physiology I), 4 cr  
FN 233 (Elementary Nutrition), 3 cr  
PHIL 231 (Introduction to Philosophy), 3 cr  
SOCW 345 (Human Behavior in the Social Environment I), 3 cr

**Second Semester**

BIOL 136 (Human Anatomy and Physiology II), 4 cr  
BIOL 246 (Microbiology for Health Related Professions), 4 cr  
PSY 234 (Elementary Statistics), 3 cr  
CS 116 (Introduction to Computer Science I), 3 cr



## TWO YEAR COURSE ROTATION SCHEDULE

X indicates when a course shall be offered

NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	CO- REQUISITES
BIOL 111	Biological Science Laboratory I	1	x	x	x	x	x	x		BIOL 131
BIOL 112	Biological Science Laboratory II	1	x	x	x	x	x	x	BIOL 111	BIOL 132
BIOL 131	Biological Science I	1	x	x	x	x	x	x		BIOL 111L
BIOL 132	Biological Science II	1	x	x	x	x	x	x	BIOL 111, BIOL 131	BIOL 112L
BIOL 135	Human Anatomy and Physiology I	4	x			x			BIOL 112, BIOL 132	BIOL 135 L
BIOL 136	Human Anatomy and Physiology II	4		x					BIOL 135	BIOL 136L
BIOL 143	Survey of Life Science	4	x	x	x	x	x	x		BIOL143L
BIOL 211	Cell Biology Laboratory	1	x	x		x	x			BIOL 231
BIOL 212	Developmental Biology Laboratory	1	x	x		x	x			BIOL 232
BIOL 231	Cell Biology	3	x	x		x	x		BIOL 111, BIOL 112, BIOL 131, BIOL 132 and 1 year of college level chemistry	BIOL 211
BIOL 232	Developmental Biology	3	x	x		x	x		BIOL 111, BIOL 112, BIOL 131, and BIOL 132	BIOL 212
BIOL 245	Human Anatomy and Physiology	4	x	x		x	x		One year of college level biology (BIOL 143 does not qualify).	BIOL 245L
BIOL 246	Microbiology for Health Related Professions	4		x			x		BIOL 135 and BIOL 136	BIOL 246L
BIOL 300	Seminar for Health Related Professions	1	x	x		x	x		BIOL 111, BIOL 112, BIOL 131, BIOL 132	
BIOL 332	Bioinformatics	3	x			x				BIOL 332L
BIOL 334	Conservation Biology	3		x			x		BIOL 111, BIOL 112, BIOL 131, BIOL 132	
BIOL 338	Genetics	3	x		x	x		x	Two years of College level biology and one year of college level chemistry	
BIOL 340	Biochemistry of Biological Compound	3	x			x			One year of college level biology and one year of college level chemistry	
BIOL 341	Organismic Biology	4	x	x		x	x		BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 341L
BIOL 343	Ecology	3		x			x		BIOL 111, BIOL 112, BIOL 131, BIOL 132	
BIOL 344	Vertebrate Anatomy and Histology	4		x			x		BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 344L
BIOL 345	Ecology Laboratory	4		x			x		BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 343

NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	CO- REQUISITES
BIOL 347	Microbiology	4	x	x		x	x		One year of college level biology and organic chemistry I & II	BIOL 347L
BIOL 348	Experiments in Biology II	4		x			x			
BIOL 349	Entomology	4		x			x		BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 349L
BIOL 401	Undergraduate Research	1	x	x		x	x		Consent of the Faculty Chair	
BIOL 434	Evolutionary Biology	3			x			x	BIOL 111, BIOL 112, BIOL 131, BIOL 132	
BIOL 435	History & Philosophy of Science	3		x			x		Senior Standing	
BIOL 438	Plant Biology	3		x			x		BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 438L
BIOL 439	Principles of Biology		x						BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 439 L
BIOL 441	Histology	4		x			x		BIOL 241 or BIOL 243 or BIOL 341	BIOL 441L
BIOL 443	Molecular Biology	4	x			x			Two years of college level biology and two years of college level chemistry	BIOL 443 L
BIOL 446	Human Physiology Laboratory	4		x			x		BIOL 112 and BIOL 132	BIOL 447
BIOL 447	Human Physiology	4		x			x		One year of college level biology and organic chemistry	BIOL 446
BIOL 448	Molecular Physiology & Biophysics	4	x			x			Senior standing in Biology and completion of core curriculum requirements.	
BIOL 450	Molecular Genetics	3		x			x		Junior or Senior standing in Biology	
BIOL 451	Parasitology	4	x			x			One year of college level biology; BIOL 341	BIOL 451L
BIOL 452	Intermediary and Cellular Metabolism	3		x			x		BIOL 340	
BIOL 454	Immunology	4	x	x		x	x		Senior standing in Biology	BIOL 454L
BIOL 460	Biostatistics	3		x			x		BIOL 112, BIOL 132 and one year of college level mathematics	
BIOL 461	Environmental Sampling	3	x			x			Junior or Senior standing in Biology	
BIOL 499	Biology Seminar	1	x	x		x	x		Junior or Senior standing in Biology.	

## DEPARTMENT OF CHEMISTRY

Through the Department of Chemistry, courses (CHEM) are offered at the undergraduate level for students pursuing the Bachelor of Science Degree (B.S.) in Chemistry, for students majoring in other disciplines wishing to pursue a minor in Chemistry, and for students in other academic areas requiring some preparation in Chemistry. Although only one undergraduate degree (the Bachelor of Science in Chemistry) is offered, two tracks leading to this degree are possible for majors: (1) an American Chemical Society (or ACS) approved track and (2) a pre-medical and a pre-dental track. Both tracks are composite programs of study, and neither track requires the declaration of an official minor in another academic discipline. The ACS approved track is designed to prepare students for professional careers as chemists and to ensure their preparation for graduate study. Members of the Department are housed on the fourth floor of the New Science Building with the Department Office located in Room 403.

At the graduate level, one degree is offered: the Master of Science in Chemistry. The admission criteria, requirements, and graduate courses associated with this degree are described in the Graduate School Bulletin of Texas Southern University.

Overall, the Department of Chemistry seeks to fulfill two primary missions: (1) to prepare students for professional careers in Chemistry and, eventually, graduate study and (2) to give students, who are majoring in related fields, an understanding of fundamental principles and experimental techniques that will permit them to be successful in their chosen majors. Specific requirements for the B.S. in Chemistry, as well as the minor in Chemistry, are described below.

Students wishing to pursue either the B.S. in Chemistry or an undergraduate minor in Chemistry must first gain admission to the University, must satisfy ASSET requirements or equivalent and eradicate identified deficiencies through the Office of Student Success, and must contact the Department Office regarding the declaration of a major or minor as ASSET requirements or equivalent are fulfilled. Although the Department has no specific criteria for accepting students as majors, it does have criteria for continuance once the major in Chemistry is declared. In order to remain as a candidate in good standing for the Bachelor of Science in Chemistry, a student must have an overall GPA of at least 2.50 with respect to courses taken in the following academic disciplines: Chemistry, Mathematics, and Physics. Students whose overall averages in these academic disciplines fall below 2.50 for two consecutive semesters and students who fail individual courses in these targeted areas more than once will be required to seek another major. **All required Chemistry (CHEM) courses must be completed with grades of “C” or better, where grades of “C-” are unacceptable, to qualify for graduation. After having completed all required chemistry courses, with the exception of Physical Chemistry II, lecture and laboratory, Inorganic Chemistry II and Instrumental Analysis, students will be required to take the Major Field test in Chemistry. Based on the student’s performance, they are further advised.**

For a minor in Chemistry, twenty-one (21) semester credit hours are required through enrollment in the following courses: CHEM 111, CHEM 112, CHEM 131, CHEM 132, CHEM 211, CHEM 212, CHEM 231, CHEM 232, CHEM 322, and CHEM 332. **Students are required to earn grades of “C” or better, where grades of “C-” are unacceptable, in all of these courses.**

Each major in the Department is assigned a faculty advisor, and this advisor must approve the schedule of courses for assigned students each semester. Majors are expected to keep the Department Office informed of their current local addresses and telephone numbers up to the time of graduation. By the start of the first semester of their senior year, majors should have their transcripts evaluated by the Faculty Chair to ascertain graduation status and to assure that they are eligible for degree conferral at the end of the senior year.

In summary, interested students must first gain admission to the University, must fulfill ASSET requirements or equivalent, and must contact the Department Office with regard to the declaration of a major and/or minor and graduation requirements. An exit examination is required of graduating seniors. For further information, the Department Office should be contacted at (713)-313-7003.

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Clement, Jade Q.</b>  <b>Associate Professor</b>                      M.D., Shandong Medical University                      M.S., Chinese Academy of Preventive Medicine                      Ph.D., University of Texas at Houston</p>	<p><b>Sapp, John B.</b>  <b>Professor</b>                      B.S., M.S., Texas Southern University                      Ph.D., University of Houston</p>
<p><b>Deng, Yuanjian</b>  <b>Professor</b>                      B.S., Wuhan University                      M.S., Chinese Academy of Sciences                      Ph.D., University of Houston</p>	<p><b>Valle, Bertha C.</b>  <b>Visiting Assistant Professor</b>                      B.S., Texas Tech University                      Ph.D., Louisiana State University</p>
<p><b>Fennell, Pearlie</b>  <b>Professor</b>                      B.S., Huston-Tillotson College                      M.S., Texas Southern University                      Ph.D., University of Texas at Houston</p>	<p><b>Wei, Xin</b>  <b>Associate Professor</b>                      B.S., Nanjing University                      Ph.D. Nanjing University</p>
<p><b>Ford, Robert L.</b>  <b>Professor</b>                      B.S., Southern University                      Ph.D., Purdue University</p>	<p><b>Wilkerson, Daryl F.</b>  <b>Instructor/Laboratory Coordinator</b>                      B.S., Texas Southern University                      M.S. Texas Southern University</p>
<p><b>Saleh, Mahmoud</b>  <b>Professor</b>                      B.S., M.S., University of Cairo                      Ph.D., University of California at Davis</p>	<p><b>Wilson, Bobby L.</b>  <b>Professor</b>                      B.S., Alabama State University                      M.S., Southern University                      Ph.D., Michigan State University</p>

## CHEMISTRY COURSES

<b>CHEM 111</b>	<p><b>General Chemistry Laboratory I</b> (1)                      Introduction to the methods and techniques of chemical experimentation. Three hours of laboratory per week. Prerequisite: Credit for or concurrent enrollment in CHEM 131. <b>Listed as CHEM 1111 in the Texas Common Course Numbering System.</b></p>
<b>CHEM 112</b>	<p><b>General Chemistry Laboratory II</b> (1)                      Continuation of CHEM 111. Three hours of laboratory per week. Prerequisites: CHEM 111 and credit for or concurrent enrollment in CHEM 132. <b>Listed as CHEM 1112 in the Texas Common Course Numbering System.</b></p>
<b>CHEM 131</b>	<p><b>General Chemistry I</b> (3)                      Introduction to modern theories of atomic structure, periodic trends, chemical bonding, molecular geometry, chemical reactions, including oxidation-reduction and stoichiometric calculations. Three hours of lecture per week. Corequisite: MATH 133 or MATH 136. <b>Listed as CHEM 1311 in the Texas Common Course Numbering System.</b></p>
<b>CHEM 132</b>	<p><b>General Chemistry II</b> (3)                      Study of the states of matter, solution chemistry, concepts associated with rates of reaction, homogeneous and heterogeneous equilibria, acid-base chemistry, and fundamental thermodynamics. Three hours of lecture per week. Prerequisites: CHEM 131 and MATH 133 or MATH 136. <b>Listed as CHEM 1312 in the Texas Common Course Numbering System.</b></p>

<b>CHEM 211</b>	<b>Organic Chemistry Laboratory I</b> Introduction to the techniques involved in the separation, purification, isolation, and characterization of typical organic compounds. An introduction to organic synthesis. Three hours of laboratory per week. Prerequisites: CHEM 111, CHEM 112, and credit for or concurrent enrollment in CHEM 231. <b>Listed as CHEM 2123 in the Texas Common Course Numbering System.</b>	<b>(1)</b>
<b>CHEM 212</b>	<b>Organic Chemistry Laboratory II</b> Multistep synthesis and introduction to the interpretation of infrared and nuclear magnetic resonance spectra. Three hours of laboratory per week. Prerequisites: CHEM 211 and credit for or concurrent enrollment in CHEM 232. <b>Listed as CHEM 2125 in the Texas Common Course Numbering System.</b>	<b>(1)</b>
<b>CHEM 231</b>	<b>Organic Chemistry I</b> Course for science majors dealing with the fundamentals of structure (including stereochemistry), nomenclature, physical properties, and chemical reactions of aliphatic and aromatic hydrocarbons and their derivatives. Three hours of lecture per week. Prerequisite: CHEM 132. <b>Listed as CHEM 2323 in the Texas Common Course Numbering System.</b>	<b>(3)</b>
<b>CHEM 232</b>	<b>Organic Chemistry II</b> Continuation of CHEM 231. Study of the structure (including stereochemistry), nomenclature, physical properties, and chemical reactions for alcohols, aldehydes, ketones, carboxylic acids and their derivatives, phenols and amines. Three hours of lecture per week. Prerequisite: CHEM 231. <b>Listed as CHEM 2325 in the Texas Common Course Numbering System.</b>	<b>(3)</b>
<b>CHEM 322</b>	<b>Quantitative Analysis Laboratory</b> Practical application of theory dealing with volumetric and gravimetric analysis. Four hours of laboratory per week. Prerequisites: CHEM 111, CHEM 112, and credit for or concurrent enrollment in CHEM 332.	<b>(2)</b>
<b>CHEM 332</b>	<b>Quantitative Analysis</b> Study of reactions in solution, homogeneous and heterogeneous equilibrium concepts, and acid-base theory and the application of these concepts to volumetric and gravimetric analysis. Three hours of lecture per week. Prerequisite: CHEM 132.	<b>(3)</b>
<b>CHEM 343</b>	<b>Biochemistry</b> Course for human services/consumer sciences majors. Study of the chemistry of carbohydrates, proteins, lipids, digestion, and metabolism. Three hours of lecture and three hours of laboratory per week. Prerequisite: CHEM 144 or CHEM 231.	<b>(4)</b>
<b>CHEM 411</b>	<b>Physical Chemistry Laboratory I</b> Course involving application of the theory of physical chemistry to experimental procedures. An introduction of the use of computers to solve chemistry problems and to write laboratory reports. Three hours of laboratory per week. Prerequisites: CS 116, CHEM 322, and credit for or concurrent enrollment in CS 117, CHEM 431, and MATH 241.	<b>(1)</b>
<b>CHEM 412</b>	<b>Physical Chemistry Laboratory II</b> Continuation of CHEM 411. Three hours of laboratory per week. Prerequisites: CS 117, CHEM 411, and credit for or concurrent enrollment in CHEM 432.	<b>(1)</b>
<b>CHEM 431</b>	<b>Physical Chemistry I</b> Study of important theory associated with states of matter, changes of state, chemical equilibria, thermochemistry, and thermodynamics. An introduction to vibration and rotational spectra. Three hours of lecture per week. Prerequisites: CHEM 232, CHEM 332, PHYS 238, and previous credit for or concurrent enrollment in MATH 241.	<b>(3)</b>



**Bachelor of Science Degree in Chemistry**  
**American Chemical Society (ACS) Approved**  
**Four Year Degree Plan - Total Credits: 122**

First Year	First Semester		Second Semester	
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	MATH 241 Calculus & Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry. II	4
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	FS 102 Freshman Seminar	1	PSY 131 or SOC 157 Intro to Psychology or Sociology	3
	16 hrs		18 hrs	

Second Year	Third Semester		Fourth Semester	
	CHEM 211 Organic Chemistry I Lab	1	CHEM 212 Organic Chemistry II lab	1
	CHEM 231 Organic Chemistry I Lec	3	CHEM 232 Organic Chemistry II Lec	3
	MATH 243 Calculus & Analytic Geometry III	4	MATH 251 Differential Equations	3
	ENG 2xx Upper level English	3	CS 117 Computer Science II Lec	3
	CS 116 Computer Science I Lec	3	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3
	SC 135 or 136 Business & Professional Communication or Public Address	3	PHYS 152 Computational Modeling of Physical Systems	3
			PHYS 116 Computational Modeling of Physical Systems Lab	1
	17 hrs		17 hrs	

Third Year	Fifth Semester		Sixth Semester	
	CHEM 322 Quantitative Analysis Lab	2	CHEM 445 Biochemistry	4
	CHEM 332 Quantitative Analysis Lec	3	POLS 232 American Political Systems II	3
	POLS 231 American Political Systems I	3	PHYS 252 College Physics II Lec	3
	PHYS 251 College Physics I Lec	3	PHYS 218 College Physics II Lab	1
	PHYS 217 College Physics I Lab	1	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3		
		15 hrs		14 hrs

Fourth Year	Seventh Semester		Eighth Semester	
	CHEM 411 Physical Chemistry I Lab	1	CHEM 412 Physical Chemistry II Lab	1
	CHEM 431 Physical Chemistry I Lec	3	CHEM 432 Physical Chemistry II Lec	3
	CHEM 450 Inorganic Chemistry I	3	CHEM 451 Inorganic Chemistry II	3
	CHEM 454 Research	3	CHEM 453 Instrumental Analysis	3
	CHEM 499 Seminar	1	CHEM 4xx	3
	Elective	1		
		12 hrs		13 hrs

**Bachelor of Science Degree in Chemistry  
Pre-Medical and Pre-Dental Track  
Four Year Degree Plan – Total Credits: 120**

First Year	First Semester		Second Semester	
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	MATH 133 College Algebra	3	MATH 134 Plane Trigonometry	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	FS 102 Freshman Seminar	1	PSY 131 or SOC 157 Gen. Psy or Intro Soc	3
		15 hrs		17 hrs

Second Year	Third Semester		Fourth Semester	
	CHEM 211 Organic Chemistry I Lab	1	CHEM 212 Organic Chemistry II Lab	1
	CHEM 231 Organic Chemistry I Lec	3	CHEM 232 Organic Chemistry II Lec	3
	MATH 241 Calculus & Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry II	4
	SC 135 or 136 Business & Professional Communication or Public Address	3	MUSI 131 or Art 131 Introduction to Music or Drawing & Composition I	3
	CS 116 Introduction to Computer Science I	3	CS 117 Introduction to Computer Science II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
		17 hrs		17 hrs

Third Year	Fifth Semester		Sixth Semester	
	CHEM 322 Quantitative Analysis Lab	2	CHEM 445 Biochemistry	4
	CHEM 332 Quantitative Analysis Lec	3	POLS 232 American Political Systems II	3
	POLS 231 American Political Systems I	3	PHYS 238 Physics for Life Science II Lec	3
	PHYS 215 Physics for Life Science I Lab	1	PHYS 216 Physics for Life Science II Lab	1
	PHYS 237 Physics for Life Science I Lec	3	CHEM 499 Seminar	1
	ENG 2xx (Any 200 level course)			
	15 hrs		12 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	CHEM 411 Physical Chemistry I Lab	1	CHEM 412 Physical Chemistry II Lab	1
	CHEM 431 Physical Chemistry I Lec	3	CHEM 432 Physical Chemistry II Lec	3
	CHEM 450 Inorganic Chemistry I	3	CHEM 451 Inorganic Chemistry II	3
	BIOL 231 Cell Biology	3	CHEM 453 Instrumental Analysis	3
	BIOL 460 Biostatistics	3	BIOL 245 Human Anatomy & Physiology	4
	13 hrs		14 hrs	



## TWO YEAR COURSE ROTATION SCHEDULE

X indicates a course shall be offered

COURSE	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	COREQUISITE	
Chem 111	Gen. Chem. Lab I	1	X	X	X	X	X	X			
Chem 112	Gen. Chem. Lab II	1	X	X	X	X	X	X	Chem 111		
Chem 131	Gen. Chem. I	3	X	X	X	X	X	X		Math 133 or Math 136	
Chem 132	Gen. Chem. II	3	X	X	X	X	X	X	Chem 131	Math 133 or Math 136	
Chem 211	Organic Chem. Lab I	1	X	X	X	X	X	X	Chem 111, 112	Chem 231	
Chem 212	Organic Chem. Lab II	1	X	X	X	X	X	X	Chem 211	Chem 232	
Chem 231	Organic Chem I	3	X	X	X	X	X	X	Chem 132		
Chem 232	Organic Chem. II	3	X	X	X	X	X	X	Chem 231		
Chem 322	Quan. Analysis Lab	2	X	X		X	X		Chem 111, 112	Chem 332	
Chem 332	Quan. Analysis	3	X	X		X	X		Chem 132		
Chem 343	Biochemistry	4	X			X			Chem 231		
Chem 411	Physical Chem. Lab I	1	X			X			CS 116 Chem 322	CS 117, Chem 431, Math 241	
Chem 412	Physical Chem. Lab II	1		X					CS 117 CHEM 411	Chem 432	
Chem 431	Physical Chem. I	3	X			X			CHEM 232,332, *Phys 251	Math 241	
Chem 432	Physical Chem. II	3		X			X		Chem 431	Math 242	
Chem 445	Biochemistry	4		X			X		Chem 232		
Chem 450	Inorganic Chem I	3	X			X			Math 242 (Consent)	Chem 431	
Chem 451	Inorganic Chem II	3		X		X			Chem 450 (Consent of Chair)		
Chem 453	Instrumental Methods	3		X		X			Chem 322, 332	Chem 411, 431	
Chem 454	Research	3	X	X	X	X	X	X	Chem 132,232, Chem 332, 432		
Chem 476	Organic Mechanisms	3	X						Chem 232		
Chem 477	Environmental Chemistry	3		X					Chem 232		
Chem 478	Polymer Chemistry	3				X			Chem 232		
Chem 479	Biological Inorganic Chemistry	3					X		Chem 445, 232		
Chem 499	Seminar	1	X	X		X	X		Chem 232		
			*Physics 237, 238 required for pre-med, pre-dental track								
			* Physics 251, 252 required for ACS track								

## DEPARTMENT OF COMPUTER SCIENCE

The Department of Computer Science prepares students for careers in the computing industries and advanced study. The curriculum ensures that students are exposed to the most current knowledge, theories, and principles in software development, embedded systems, hardware architectures, and network theory and applications. The curriculum provides for an understanding of the applications of theories and concepts by evolving the students in research and applications development projects. The curriculum is designed to enhance the problem solving and creative thinking capabilities of students so that they have a set of skills that will increase their employment opportunities and provides the foundation for graduate study and research. The educational objectives of the computer science program are as follows:

1. To prepare students to be capable of identifying and analyzing requirements for computing systems
2. To produce graduates who are capable of designing and implementing solutions for rapidly changing computing problems and information system environments
3. To prepare graduates with good communication skills and who are able to effectively work in teams
4. To produce graduates who are capable of gauging the impact of computing on society, and possess knowledge of the ethical, social and professional implications and responsibilities of their work
5. To prepare students to engage in life-long learning, to adapt to innovation and change, and to successfully pursue professional work and graduate studies

The Department of Computer Science offers programs that lead to the Bachelor of Science in Computer Science degree and the Master of Science in Computer Science degree. Students majoring in other disciplines are encouraged to pursue a minor in computer science, since virtually all employers are critically dependent upon computers. Significant opportunities for employment and graduate study are also available for students in other information technology enabled fields and organizations for students with a minor in computer science.

These programs are designed to prepare graduates for productive work in highly complex computing environments in business, industry, and government. In recent years, many graduates of the program have obtained positions in business applications, software development, computational science and applied mathematics, and have gone to graduate school. Students majoring in computer science should set their goals to become expert software developers and to have developed the following abilities:

1. To apply knowledge of computing, mathematics, science, and business appropriate to the discipline, including the ability to analyze and evaluate performance tradeoffs of algorithms, data structures, and hardware solutions
2. To analyze a problem, and identify and define the computing requirements appropriate to its solution
3. To design, implement and evaluate computing systems, processes, components, or programs to meet desired needs
4. To function effectively on teams to accomplish a common goal
5. To understand the professional, ethical, legal, security, social issues and responsibilities of the profession
6. To communicate effectively with a range of audiences
7. To analyze the local and global impact of computing on individuals, organizations and society
8. To recognize the need for, and an ability to engage in, continuing professional development
9. To use current techniques, skills, and tools necessary for computing practices;
10. To apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the risks and tradeoffs involved in design choices
11. To apply design and development principles in the construction of software systems of varying complexity.

Realizing that students pursuing a bachelor's degree in computer science may have different career goals, the Department of Computer Science offers two tracks to the Bachelors degree in Computer Science.

Track 1 The Bachelor of Science in Computer Science track I is designed for students who plan to focus on software development have a broad fundamental education to allow them to address many areas of computing applications when they graduate. They may work in cooperation with professionals trained in areas other than computer science and may need to have knowledge in several subject areas. Students who major in Computer Science and prefer to follow this track will be have elective courses that can be in computer science or any other academic discipline. The curriculum of this track is designed to provide the students with in-depth computer science knowledge but broadens it with additional knowledge from another field of their choice. This improves their competitiveness in the job market especially for jobs requiring interactions and communications with others of different educational backgrounds.

Track 2 The Bachelor of Science in Computer Science with computer networks concentration track is designed for students who plan to work in the rapidly growing field of computer networks. The curriculum of this track is designed to provide the students with the same breadth of computer science knowledge as the other track but with more depth in the area of computer networks. Once they graduate, students pursuing this track will be ready to apply for leading industry certificates such as the Cisco Certified Network Associate (CCNA) certificate which improves their competitiveness in today's challenging job market where networking is an essential ingredient of almost every business.

The requirements for the Bachelor of Science in Computer Science are summarized at the end of this section along with the sequence in which major courses must be taken for each track. **Students must earn grades of “C” or better in all courses specific to their major in computer science.**

Each student must be admitted by the Department as a major, before attempting to meet all of the requirements for the degree. The admissions procedures are under continual review by the Departmental Curriculum and Admissions Committee. Interested students are asked to contact the Department Office during their freshman year in order to gain admission as majors. Students are responsible for completing ASSET requirements and prerequisites administered through the Student Academic Enhancement Services prior to admission to the department. The Department offices and facilities are housed on the first floor of Nabrit Science Center with the Department Office located in Room 100 and the Department website is <http://itscience.tsu.edu>.

Students transferring to the University are cautioned that computer science credits transferred from other colleges and universities must be evaluated by the Department before being used to fulfill requirements for the major in computer science. These credits may or may not be acceptable. If these credits are judged to be unacceptable by the Department, students may be able to use them to fulfill some elective requirements.

Students pursuing the B.S. in computer science for the first track should seek detailed advisement from their designated advisors when selecting the elective courses required for this track.

For a computer science minor, twenty-one (21) semester credit hours are required through following one of the following two tracks:

- **Track I:** enrollment in the following courses: CS 120, CS 124, CS 140, CS 241, CS 243, CS 246 and one additional junior/senior level CS course of choice.
- **Track II:** enrollment in the following courses: CS 120, CS 124, CS 243, CS 250, CS 251, CS 350, and CS 351.

Prior to pursuing the CS minor, students must seek advisement and approval from the Department Office. Students must earn grades of “C” or better in all courses specific to the minor in computer science.

In order for students to pursue either majors or minors in the Department, they must petition for admission to the Department by completing the appropriate form which is available through the Department Office. The petition must be returned to the Department Office and must be reviewed by the Departmental Curriculum and Admissions Committee. Students must have completed the courses listed below or their equivalents:

English 131 Freshman English I  
Math 136 Pre-Calculus Mathematics  
CS 120 Introduction to Computers and Problem Solving  
CS 124 Fundamentals of Machine Computation

**Each student applying for major or minor status must have an overall grade point average (GPA) of 2.50 or better and must have earned grades of “C” or better (grades of “C-“are unacceptable) in the above courses.** The petition must be returned to the Department Office by the appropriate deadlines given below to be considered by the Departmental Curriculum and Admissions Committee:

**October 15 during Fall**

**March 15 during Spring June 15 during Summer**

The number of students admitted to major and minor status on an ongoing basis is dependent upon the availability of resources on a year-to-year basis, on performance in the four courses targeted above, and on overall GPA's earned. Preference will be given to students earning the highest overall GPA's above the required minimum of 2.50. Each student will be notified of the decision of the Departmental Curriculum Admissions Committee with regard to his/her status approximately one month after the above deadlines.

Once students have been admitted to the Department as major or minor status, they are each expected to maintain an overall GPA of 2.25 or better, or they could be dismissed from the Department if more than thirty (30) semester credit hours are still required for graduation. If individual GPA's fall below 2.25 and students are within thirty (30) semester credit hours of graduation, they must contact the department advisor for a plan of action.

Upon admission to the Department, students are each assigned an official advisor. They are expected to keep the Department Office informed of changes in address and/or telephone numbers up to the time of graduation.

In summary, an interested student must first gain admission to the University; must meet his/her ASSET responsibility; and finally, must apply for admission to the Department once prerequisites and ASSET requirements have been met. Acceptance to major standing is not automatic, but subject to the decision of a Departmental Curriculum and Admissions Committee. Each student is provided with extensive advisement once admitted to the Department before further progression toward the completion of degree requirements is undertaken. Questions may be directed to the Department Office at (713)-313-7991 or to cs@tsu.edu.

#### LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Criner, Oscar</b> <b>Professor</b> B.S., Howard University Ph.D., University of California at Berkeley</p>	<p><b>Li, Wei Wayne</b> <b>Professor</b> B.S., Shaanxi Normal University M.S., Hebei University of Technology Ph.D., Chinese Academy of Sciences</p>
<p><b>Ghemri, Lila</b> <b>Associate Professor</b> B.S., University of Algiers Ph.D., University of Bristol</p>	<p><b>Lin, Cheng-Feng</b> <b>Assistant Professor</b> B.S., North East Missouri University M.S., University of Texas at Arlington</p>
<p><b>Handy Maribel</b> <b>Instructor</b> B.A., Clark Atlanta University M.S., Clark Atlanta University</p>	<p><b>Ma. Li</b> <b>Visiting Instructor</b> B.S., Peking University M.S., University of California at Los Angeles</p>
<p><b>Javadian, Mohsen</b> <b>Associate Professor</b> B.S., Texas Southern University M.S., University of Houston-Clear Lake</p>	<p><b>Singh, Tarsem</b> <b>Professor</b> B.S., San Jose State University M.S., San Jose State University Ph.D., Texas A&amp;M University</p>
<p><b>Kamel, Khaled</b> <b>Professor</b> B.S., Cairo University B.S., Ain-Shams University M.S., University of Waterloo M.S. University of Cincinnati Ph.D., University of Cincinnati</p>	<p><b>Sleem, Aladdin</b> <b>Assistant Professor</b> B.S., Cairo University M.B.A., Maastricht School of Management M.S., University of Louisville Ph.D., University of Louisville</p>
<p><b>Khan, M. Farrukh</b> <b>Assistant Professor</b> B.S., California Institute of Technology M.S., University of Southern Mississippi Ph.D., Purdue University</p>	

## COMPUTER SCIENCE UNDERGRADUATE COURSES

- CS 116**                      **Introduction to Computer Science I<sup>†</sup>**                      (2)  
Study of fundamental concepts of computing such as: how computers work, what they can do, and how they can be used effectively. Topics covered: spreadsheets, word processing, databases, presentation software, multimedia/graphics software, program design and implementation, and fundamental computing theories. Two hours of lecture per week. Co-requisite: CS 116L.
- CS 116L**                      **Introduction to Computer Science Laboratory I<sup>†</sup>**                      (1)  
Laboratory course designed to complement CS 116 and focuses on the fundamental concepts of computing such as how computers work, what they can do, and how they can be used effectively. Two hours of laboratory per week. Co-requisite: CS 116.
- CS 117**                      **Introduction to Computer Science II<sup>†</sup>**                      (2)  
Introduction to World Wide Web applications and their design, including Web scripting languages and HTML with hands-on directed laboratory activities. Two hours of lecture per week. Co-requisite: CS 117L.
- CS 117L**                      **Introduction to Computer Science Laboratory II<sup>†</sup>**                      (1)  
Laboratory course designed to complement CS 117 and provides hands on activities that focus on World Wide Web applications and their design, including Web scripting languages and HTML. Two hours of laboratory per week. Co-requisite: CS 117.
- CS 120**                      **Introduction to Computers and Problem Solving**                      (3)  
An integrated introduction to problem solving using computers. Teaches students how real-world problems can be solved using computer programming languages. Concepts and techniques covered include data representation and number systems, basic components of computer systems, problem solving strategies, introduction to algorithms and pseudo code, introduction to programming languages and introduction to operating systems. This course is required for computer science majors and minors. Three hours of lecture per week.
- CS 124**                      **Fundamentals of Machine Computation**                      (3)  
Study of the theory and applications of discrete mathematical structures as a foundation for topics in computer science. Required for computer science majors and minors. Three hours of lecture per week. Prerequisite: MATH 136.
- CS 140**                      **Computer Programming in Java**                      (3)  
Introduction to the JAVA programming language that covers the use of object oriented programming methodologies such as class inheritance, polymorphism, multithreading, generics, GUI components, and exceptions. Required for computer science majors and minors. Three hours of lecture per week. Prerequisite: CS 120.
- CS 216**                      **Advanced Applications I<sup>‡</sup>**                      (2)  
This course is an introduction to computer programming applications for the PC using VISUAL BASIC. The design, implementation, and testing of programs and graphical user interfaces is presented. Process of using VISUAL BASIC to access object oriented model of other applications also considered. Two hours of lecture week. Co-requisite: CS 216L. Prerequisite: CS 117.
- CS 216L**                      **Advanced Applications Laboratory I<sup>‡</sup>**                      (1)  
Laboratory course designed to complement CS 216. Provides hands on experience that focuses on the study of computer programming using VISUAL BASIC. Two hours of laboratory per week. Co-requisite: CS 216.

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1                      Does not satisfy CS major's degree requirements.

2                      Does not satisfy CS major's degree requirements.

- CS 217**                      **Advanced Applications II<sup>‡</sup>**                      (2)  
This course is a continuation of CS 216 providing advanced study of software application development in the WINDOWS environment. Development of customized software products with applications to subject matter area studied by students. Two hours of lecture per week. Co-requisite: CS 217L. Prerequisite: CS 216.
- CS 217L**                      **Advanced Applications Laboratory II<sup>‡</sup>**                      (1)  
Laboratory course designed to complement CS 217. Provides hands on experience that focuses on software application development in the WINDOWS environment. Two hours of laboratory per week. Co-requisite: CS 217.
- CS 241**                      **Object Oriented Programming Using C++**                      (3)  
In depth study of the object oriented programming methodologies using the C++ programming language. Students will work through a number of programming exercises to explore the concepts of structures, pointers, advanced file operations, classes, inheritance, and polymorphism. Upon completion of this course, students will have been able to tackle reasonably sized projects using C++. Required for computer science majors and Track I minors. Three hours of lecture per week. Prerequisite: CS140.
- CS 243**                      **Computer Organization**                      (3)  
Basic concepts of digital computers: Boolean algebra, combinatorial and sequential logic design, arithmetic/logic units, control units, memory units, and input/output units, flip flops, and counters. Required for computer science majors and minors. Three hours of lecture per week. Prerequisites: CS 124.
- CS 246**                      **Data and File Structures**                      (3)  
Advanced programming techniques and data structures including tables, linked lists, queues and stacks are studied. Abstract data types, recursion, searching and sorting, hashing, binary trees, external storage devices, file organization, file processing techniques are presented. Required for computer science majors and Track I minors. Three hours of lecture per week. Prerequisites: CS243, CS 241.
- CS 248**                      **Introduction to Theory of Computation**                      (3)  
Introduction to graph theory, automata and languages, computability and complexity of algorithms is given. This course covers partial order relations, scheduling PERT, CPM, introduction to graph theory and Euler, Hamiltonian and Djikistra algorithms, finite state automata, regular expressions, grammars, and algorithm definition. Required for computer science majors. Three hours of lecture per week. Prerequisites: MATH 241, CS 243. Co requisite: CS 246.
- CS 250**                      **Computer Networks Fundamentals**                      (3)  
Introduction to the fundamental networking concepts and technologies focusing on both the conceptual and practical skills needed to understand basic networking. Students will gain an understanding of the “layered” approach to networks and examine the OSI and TCP/IP layers in detail to understand their functions and services. It provides an overview to various network devices, network addressing schemes and, finally, the types of media used to carry data across the network. Required for computer science majors and Track II minors Three hours of lecture per week. Prerequisites: CS 120.
- CS 251**                      **Internetworking and Routing Basics**                      (3)  
A comprehensive study of internetworking as well as routing concepts and protocols is presented to develop an understanding of how networks are linked together. An introduction to routers, their role in the network, their main hardware and software components, and the packet forwarding process is included. This course covers the foundations of static and dynamic routing protocols. It provides a detailed study of various Distance Vector as well as Link State protocols and examines their characteristics, operations, limitations, configuration, and troubleshooting techniques. Required for computer science Track II majors and Track II minors. Three hours of lecture per week. Prerequisites: CS 250.

- CS 342**                      **Programming Languages and Design**                      (3)  
 Introduction to the structure and design of the programming language paradigm, formal specification of syntax, semantics, functional languages, logic languages, parallel languages, data types and interfacing procedures. Social implications of technology and safety issues are also covered. Required for computer science majors. Three hours of lecture per week. Prerequisites: CS 241, CS 248.
- CS 343**                      **Microprocessor Design**                      (3)  
 This course is a rigorous study of the architecture, applications, programming, and interfacing of current microprocessors, co-processors, and controllers. Hardware and software structures found in modern digital computer systems are presented. A detailed case study using a commercial microprocessor or microcontroller will be covered. Required for computer science majors. Three hours of lecture per week. Prerequisite: CS 243.
- CS 344**                      **Compiler Design and Construction**                      (3)  
 Concepts, design, implementation and construction techniques for programming language translators, simple one-pass compiler; lexical analysis; semantics analysis, top-down, bottom-up and operator precedence parsing, left-left and left-right parser techniques. Three hours of lecture per week. Prerequisite: CS 342.
- CS 346**                      **Database Management Systems**                      (3)  
 Theory and current practices in database management systems, data organizational models, including hierarchical and networked, with relational and semantic models stressed. Required for computer science majors. Three hours of lecture per week. Prerequisites: CS 246, CS 248.
- CS 350**                      **Local Area Network Fundamentals**                      (3)  
 This course covers an introduction to LAN switching and wireless LANs and. in depth examination of the underlying concepts and processes of the common Layer 2 switching protocols and technologies. It provides the necessary knowledge required to implement, verify, and troubleshoot Local Area Networks. It also covers wireless LAN standards and concepts required to design, implement and troubleshoot wireless LANs. Required for computer science Track II majors and Track II minors. Three hours of lecture per week. Prerequisites: CS 250.
- CS 351**                      **Wide Area Network Technologies**                      (3)  
 This course is an introduction to the various wide area networks (WANs) access technologies used to connect small-to medium-sized business networks. This course introduces WAN converged applications and quality of service (QoS). It focuses on WAN technologies including PPP, Frame Relay, broadband links, and WAN security concepts. It covers the principles of traffic control and access control lists and describes how to implement IP addressing services for an Enterprise network, including how to configure NAT and DHCP. Finally, students learn how to detect, troubleshoot and correct common Enterprise network implementation issues. Required for computer science Track II majors and Track II minors. Three hours of lecture per week. Prerequisites: CS 251.
- CS 354**                      **Web Application Development**                      (3)  
 Study of concepts, technologies, and tools required for developing multi-tiered enterprise-level Web applications. The course covers the fundamental architectural elements of programming web sites that produce content dynamically. Topics include database connectivity options; distributed object technologies; n-tier client/server applications architecture; and security issues. Required for computer science Track II majors. Three hours of lecture per week. Prerequisites: CS 250 and CS 346.
- CS 356**                      **Numerical Analysis**                      (3)  
 This course is the study of the difference calculus, polynomial interpolation, extrapolation, data smoothing, numerical differentiation and integration, numerical solution of nonlinear differential equations, and systems of linear and nonlinear equations. Three hours of lecture per week. Prerequisites: MATH 242, MATH 330, and CS 140.

- CS 415 Computer Ethics and Society (2)**  
This course is a study of the ethical and social issues related to computers and computer networks. It provides an introduction to the legal, social, and ethical issues surrounding information technology and to the societal risks addressed in software testing and reliability standards. Safety and relevant legal cases will be covered. Required for computer science majors. Two hours of lecture per week. Prerequisite: Junior level standing.
- CS 434 Wireless Programming (3)**  
This course involves a thorough introduction to wireless device programming with a focus on Wireless application development and Wireless Internet programming. After an overview of the elements and dynamics of the Wireless Internet landscape, the course focuses on the skills required for content development and management of wireless media applications. Emphasis is on developing applications that can be accessed remotely using the Wireless Application Protocol (WAP) and the Wireless Markup Language (WML) as well as standalone applications that run on platforms such as Android. Three hours of lecture per week. Prerequisites: CS 354 or instructor consent.
- CS 444 Introduction to Operating Systems (3)**  
Introduction to the function, internal data structures, and operations of operating systems and their associated file systems. Required for computer science majors. Three hours of lecture per week. Prerequisites: CS 343.
- CS 445 Multimedia Applications (3)**  
This course focuses on the fast emerging field of multimedia authoring and application development. It covers multimedia representation, storage, and communication. It provides the students with the basics of integrating audio, video, and textual sources into multimedia objects. Software and hardware issues related to multimedia are studied in this class. Required for computer science Track II majors. Three hours of lecture per week. Prerequisites: CS 354.
- CS 450 Network Management and Security (3)**  
This course provides an introduction to the basic concepts of the network-management architectures and protocols. It covers, in detail, the implementation, operation, security, management and support of complex LAN and WAN networks to develop an understanding of the tools, procedures and standards needed for network administration. Students will learn common network management concepts and protocols such as Structure of Management Information (SMI), Management Information Base (MIB), Simple Network Management Protocol (SNMP), Remote Monitoring (Rmon), and Common Management Information Protocol (CMIP). Required for computer science Track II majors. Three hours of lecture per week. Prerequisites: CS 351.
- CS 451 Introduction to Wireless and Mobile Networks (3)**  
This course provides an introduction to wireless and mobile networks and covers the following topics: mobile radio propagation; traffic engineering; cellular concepts; multiple radio access; multiple division techniques; channel allocation; mobile communication systems; existing wireless systems; network protocols; Ad Hoc and sensor networks; and wireless LANs and PANS. Required for computer science Track II majors. Three hours of lecture per week. Prerequisites: CS 350.
- CS 456 Software Engineering (3)**  
Study of the principles and practices of software engineering. Topics include software quality concepts, process models, and analysis of software requirements, design methodologies, software testing, and software maintenance. Required for computer science majors. Three hours of lecture per week. Prerequisite: CS 346.





**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN  
COMPUTER SCIENCE  
General CS Track (Track I)  
TOTAL CREDITS REQUIRED: 122**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (COMPUTER SCIENCE)</b>	<b>OTHER REQUIREMENTS</b>
44 credits	50 credits	28 credits
ENG 131 (3)**	CS 124 (3)	MATH 241 (4)
ENG 132 (3)	CS 140 (3)	MATH 242 (4)
SC 135 or 136 (3)	CS 241 (3)	MATH 250 (3)
MATH 136 (3)	CS 243 (3)	MATH 473 (3)
CHEM 111, 131 or BIOL 143 (4)	CS 246 (3)	PHYS 214 (1)
PHYS 213 (1)	CS 248 (3)	PHYS 238 (3)
PHYS 237 (3)	CS 250 (3)	FS 102 (1)
ENG 2xx (3)	CS 342 (3)	Elective Courses (9)
MUSIC 131 or ART 131 (3)	CS 343 (3)	
HIST 231 (3)	CS 346 (3)	
HIST 232 (3)	CS 415 (2)	
POLSC 231 (3)	CS 444 (3)	
POLSC 232 (3)	CS 456 (3)	
ECON 231 (3)	CS 499 (3)	
CS 120 (3)	CS 3xx or 4xx (3)	
	CS 4xx or 5xx (3)	
	CS 4xx or 5xx (3)	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**Bachelor of Science Degree in Computer Science  
General CS Track (Track I)  
Degree Plan - Total Credits: 122**

<b>First Year</b>	<b>First Semester</b>		<b>Second Semester</b>	
	CS 120 Introduction to Computers and Problem Solving	3	CS 124 Fund of Machine Comp	3
	MATH 136 Precalculus	3	CS 140 Computer Programming in Java	3
	CHEM 131 , 111 or BIOL 143 General Chemistry & Lab I, Survey of Life Science	4	MATH 241 Calculus & Analytic Geometry I	4
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	FS 102 Freshman Seminar	1		
		17 hrs		16 hrs
<b>Second Year</b>	<b>Third Semester</b>		<b>Fourth Semester</b>	
	CS 241 Object Oriented Using C++	3	CS 246 Data & File Structures	3
	CS 243 Computer Organization	3	CS 248 Theory of Computation	3
	MATH 242 Calculus & Analytic Geometry. II	4	CS 250 Computer Networks Fundamentals	3
	PHYS 213 College Physics Lab I	1	MATH 250 Linear Algebra	3
	PHYS 237 College Physics I	3	PHYS 214 College Physics Lab II	1
	ENG 2XX Any 200 Level ENG may be selected	3	PHYS 238 College Physics II	3
		17 hrs		16 hrs
<b>Third Year</b>	<b>Fifth Semester</b>		<b>Sixth Semester</b>	
	CS 342 Programming Languages and Design	3	CS 346 Database Management Systems	3
	CS 343 Microprocessors Design	3	CS 300/400 CS Elective	3
	POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	Elective Course	3	ECON 231 Principles of Economics I	3
		15 hrs		15 hrs
<b>Fourth Year</b>	<b>Seventh Semester</b>		<b>Eighth Semester</b>	
	CS 444 Operating Systems	3	CS 456 Software Engineering	3
	CS415 Computer Ethics and Society	2	CS 499 Capstone Project	3
	CS 400/500 CS Elective	3	CS 400/500 CS Elective	3
	MATH 473 Probability and Statistics	3	Elective Course	3
	Elective Course	3		
		14 hrs		12 hrs

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN  
COMPUTER SCIENCE  
With Computer Networks Concentration (Track II)  
TOTAL CREDITS REQUIRED: 122**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (COMPUTER SCIENCE)</b>	<b>OTHER REQUIREMENTS</b>
44 credits	59 credits	19 credits
ENG 131 (3)**	CS 124 (3)	MATH 241 (4)
ENG 132 (3)	CS 140 (3)	MATH 242 (4)
SC 135 or 136 (3)	CS 241 (3)	MATH 250 (3)
MATH 136 (3)	CS 243 (3)	MATH 473 (3)
CHEM 111, 131 or BIOL 143 (4)	CS 246 (3)	PHYS 214 (1)
PHYS 213 (1)	CS 248 (3)	PHYS 238 (3)
PHYS 237 (3)	CS 250 (3)	FS 102 (1)
ENG 2xx (3)	CS 251 (3)	
MUSIC 131 or ART 131 (3)	CS 342 (3)	
HIST 231 (3)	CS 343 (3)	
HIST 232 (3)	CS 346 (3)	
POLSC 231 (3)	CS 350 (3)	
POLSC 232 (3)	CS 351 (3)	
ECON 231 (3)	CS 415 (2)	
CS 120 (3)	CS 444 (3)	
	CS 450 (3)	
	CS 451 (3)	
	CS 456 (3)	
	CS 499 (3)	
	CS 3xx or 4xx (3)	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**Bachelor of Science Degree in Computer Science  
With Computer Networks Concentration (Track II)  
Degree Plan - Total Credits: 122**

<b>First Year</b>	<b>First Semester</b>		<b>Second Semester</b>	
	CS 120 Introduction to Computers and Problem Solving	3	CS 124 Fund of Machine Comp	3
	MATH 136 Precalculus	3	CS 140 Computer Programming in Java	3
	CHEM 131 , 111 or BIOL 143 General Chemistry & Lab I, Survey of Life Science	4	MATH 241 Calculus & Analytic Geometry I	4
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	FS 102 Freshman Seminar	1		
		17 hrs		16 hrs
<b>Second Year</b>	<b>Third Semester</b>		<b>Fourth Semester</b>	
	CS 241 Object Oriented Using C++	3	CS 246 Data & File Structures	3
	CS 243 Computer Organization	3	CS 248 Theory of Computation	3
	CS 250 Computer Networks Fundamentals	3	CS 251 Internetworking and Routing Basics	3
	MATH 242 Calculus & Analytic Geometry. II	4	MATH 250 Linear Algebra	3
	PHYS 213 College Physics Lab I	1	PHYS 214 College Physics Lab II	1
	PHYS 237 College Physics I	3	PHYS 238 College Physics II	3
		17 hrs		16 hrs
<b>Third Year</b>	<b>Fifth Semester</b>		<b>Sixth Semester</b>	
	CS 342 Programming Languages and Design	3	CS 343 Microprocessors Design	3
	CS 346 Database Management Systems	3	CS 351 Wide Area Networks Technologies	3
	CS 350 Local Area Networks Fundamentals	3	POLS 232 American Political Systems II	3
	POLS 231 American Political Systems I	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	ENG 2__ Any 200 Level ENG may be selected	3
		15 hrs		15 hrs
<b>Fourth Year</b>	<b>Seventh Semester</b>		<b>Eighth Semester</b>	
	CS415 Computer Ethics and Society	2	CS 444 Operating Systems	3
	CS 450 Network Management and Security	3	CS 451 Introduction to Wireless and Mobile Networks	3
	CS 300 / 400 CS Elective	3	CS 456 Software Engineering	3
	MATH 473 Probability and Statistics	3	CS 499 Capstone Project	3
	ECON 231 Principles of Economics I	3		
		14 hrs		12 hrs

**Department of Computer Science  
Rotation Table**

COURSE #	COURSE NAME	CREDIT HOURS	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PRE REQUISITES	CO- REQUISITES
CS 116	Intro to Computer Science I	2	X	X	X	X	X	X		
CS 116L	Intro to Computer Science Lab I	1	X	X	X	X	X	X		
CS 117	Intro to Computer Science II	2	X	X	X	X	X	X		
CS 117L	Intro to Computer Science lab II	1	X	X	X	X	X	X		
CS 120	Intro to Comp & Problem Solving	3	X	X	X	X	X	X	MATH 136	
CS 124	Fund Mach Computation	3	X	X		X	X			
CS 140	Computer Programming in Java	3	X	X	X	X	X	X	CS 120	
CS 216	Advanced Applications I	2	X		X	X		X	CS 117	
CS 216L	Advanced Applications lab I	1	X		X	X		X		
CS 217	Advanced Applications II	2		X	X		X	X		
CS 217L	Advanced Applications II	1		X	X		X	X		
CS 241	Object Oriented Prog in Using C++	3	X	X		X	X		CS 140	
CS 243	Computer Organization	3	X	X		X	X		CS 124	
CS 246	Data & File Structures	3	X			X			CS 124 , CS 140	
CS 248	Theory of Computation	3		X			X			CS 246
CS 250	Computer Networks Fundamentals	3	X	X		X	X		CS 120	
CS 251	Internetworking and Routing Basics	3		X			X		CS 250	
CS 342	Programming Lang & Design	3	X			X			CS 241, CS 248	
C 343	Programming Lang and Design	3		X			X		CS 243	
CS 344	Compiler Design and Costruction	3	X			X			CS 342	
CS 346	Database Management Systems	3		X			X		CS 246, CS 248	
CS 350	LAN Fundamentals	3	X			X			CS 251	
CS 351	Wide Area Networks Technologies	3		X			X		CS 350	
CS 354	Web Application Development	3		X			X		CS 250, CS 346	
CS 356	Numerical Analysis	3				X			MATH 242, MATH 330, AND CS 140	
CS 415	Computer Ethics and Society	3		X			X		JUNIOR LEVEL STANDING	

COURSE #	COURSE NAME	CREDIT HOURS	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PRE REQUISITES	CO- REQUISITES
CS 444	Operating Systems	3	X			X			CS 343 , CS 346	
CS 445	Multimedia Applications	3		X			X		CS 354	
CS 450	Network Management and Security	3	X			X			CS 351	
CS 451	Introduction to Wireless Network	3		X			X		CS 350	
CS 456	Software Engineering and Testing	3		X			X			
CS 457	Artificial Intelligence	3		X					CS 342	
CS 460	Computer Graphics	3				X			CS 248, CS 356	
CS 497	Advanced Topic in CS	3	X			X			SENIOR LEVEL STANDING	
CS 499	Capstone Project	3		X			X		SENIOR LEVEL STANDING	
CS 511	Alg Analysis & Data Structures	3	X			X				
CS 531	Computer Architectures	3	X			X				
CS 541	Operating Systems	3		X			X			
CS 551	Theory of Computation	3		X			X			
CS 545	Computer Networks	3		X			X			
CS 547	Computer Security	3		X			X			
CS 571	Artificial Intelliengce	3					X			
CS 583	Data Mining	3	X			X				
CS 591	Web Services	3	X			X				
CS 661	Advanced Software Engineering	3	X			X				
CS 681	Advanced Database Management Systems	3				X				
CS 696	Special Topics in Computer Science	3	X							
CS 697	Independent Master Project	3	X							
CS 698	Master's Thesis Research I	3	X	X	X	X	X	X		
CS 699	Master's Thesis Research II	3	X	X	X	X	X	X		

## DEPARTMENT OF ENGINEERING TECHNOLOGY

Through this instructional unit, courses are offered in the following academic disciplines: Civil Engineering Technology (CIVT), Electronics Engineering Technology (ELET), and Computer Engineering Technology (CMET). The Bachelor of Science degree (B.S.) in the aforementioned areas is offered at the undergraduate level; however, no graduate degree is offered through this unit. Cooperative Education (COE) courses are also offered through this unit. In addition, an undergraduate minor in Engineering Technology is offered for students majoring in other academic disciplines or programs where the declaration of a minor is required. The Electronics Engineering Technology Program in the College of Science and Technology is accredited by The Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC of ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012 – Telephone: (410) 347-7700. Members of the Department are housed in the Technology trailer modules, with the Department Offices located in trailer 6.

Students seeking the B. S. degree may choose from three (3) different programs that provide for concentrated study in one of the following Engineering Technologies: Civil Engineering Technology, Electronics Engineering Technology or Computer Engineering Technology. **Although students may choose one of the three programs, they are not required to declare a minor in another academic area.** For each program identified, a common core of courses is drawn from many instructional units in the University, including those in the College of Science and Technology.

The mission of the Department is to provide an overall high quality, application-oriented curriculum in engineering technology. This curriculum is designed to prepare students for careers as engineering technologists who have the ability to understand new developments, adapt to change, embrace professional development opportunities, and assume professional roles in their respective fields.

Students wishing to pursue the B.S. degree or declare a major in the Department must first gain admission to the University. Then, they must satisfy ASSET requirements or equivalent and eradicate identified deficiencies through the Office of Student Success, and must contact the Department for admission after ASSET requirements or equivalent has been completed and deficiencies remedied. Students wishing to declare a minor in Engineering Technology should contact the Department office once they have been admitted as majors in other academic units of the University and have met all ASSET requirements. Prior to graduation, majors must pass an exit examination during their senior year.

**For those students wishing to declare a minor in Engineering Technology, twenty-one (21) semester credit hours must be completed with grades of “C” or better (grades below “C”, including “C-”, are unacceptable).** The twenty-one (21) credit hours must be in one of the Engineering Technology programs (CIVT, ELET, or CMET). All minors are also required to complete the following three (3) mathematics courses or their equivalents in conjunction with the designated twenty-one (21) semester credit hours above: MATH 133 (3 credits), MATH 134 (3 credits), and MATH 241 (4 credits). The Chair in the Department, prior to enrollment, must approve all courses and an overall program of study for each minor.

Detailed plans of study of the three (3) programs leading to the B.S. in Engineering Technology, including the sequencing of courses that must be taken, follow the list of faculty below. **As is the case for minors in Engineering Technology, grades below “C”, including “C-”, are unacceptable in courses specific to the major.** Additional information may be obtained directly from the Department Office or by calling (713) 313-7119.



## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Afiesimama, Boma T., P.E.</b>  <b>Associate Professor</b>            B.S., University of Michigan            M. Eng., Texas A&amp;M University            D. Eng., Texas A&amp;M University</p>	<p><b>Olowokere, David</b>  <b>Professor &amp; Chair</b>            B.S., Ahmadu Bello University, Nigeria            M.S., Queen's University, Kingston, Canada            Ph.D., State University of New York,</p>
<p><b>Agbanobi, Raymond O., P.E.</b>  <b>Professor</b>            Diploma, Blackburn College of Technology            M.S.C.E., University of Missouri            Ph.D., North Carolina State University</p>	<p><b>Saneifard, Rasoul, P.E.</b>  <b>Professor</b>            B.S.E.E., Prairie View A&amp;M University            M.S.E., Prairie View A&amp;M University            Ph.D., New Mexico State University</p>
<p><b>Chen, Xuemin</b>  <b>Assistant Professor</b>            B.Eng., Nanjin University of Science and Technology            M.Eng., Nanjing University of Science &amp; Technology            Ph.D., Nanjing University of Science &amp; Technology</p>	<p><b>Tahvilian, Hosein</b>  <b>Instructor</b>            B.S., Southern University            M.S., Texas A&amp;M University</p>
<p><b>Darayan, Shahryar</b>  <b>Professor</b>            B.S., Tabriz University            M.S.E.E., University of Houston            Ph.D., University of Houston</p>	<p><b>Thomas, Graham</b>  <b>Assistant Professor</b>            B.S., New Mexico State University            M.S., New Mexico State University            Ph.D., New Mexico State University</p>
<p><b>Oladeji, Akanbi</b>  <b>Visiting Professor</b>            B.S., Georgia Institute of Technology            Ph.D., Georgia Institute of Technology</p>	<p><b>Zhang, Yuhong</b>  <b>Assistant Professor</b>            B.Sc., Shandong University, China            M.Sc., University of Manitoba, Canada            Ph.D., University of Toledo</p>

## ENGINEERING TECHNOLOGY COURSES

- ENGT 111                      Introduction to Project Management                      (1)**  
 The course emphasizes the different aspects of a given engineering project, such as planning, time and cost management, scope management, human resource management, communications management and conflict management. One hour of lecture per week.
- ENGT 331                      Engineering Economy                      (3)**  
 Overview of the methodologies for evaluating engineering and technology projects in terms of the selection and justification of design alternatives, operating policies, and capital expenditures. Two hours of lecture and two hours of laboratory per week.
- ENGT 332                      Industrial Productivity and Work Measurements                      (3)**  
 Study of industrial productivity and its assessment, measurements, analysis, and improvements with emphasis on human productivity, work design, method analysis, and ergonomics. Two hours of lecture and two hours of laboratory per week.
- ENGT 333                      Ethics in Professional Engineering Practice                      (1)**  
 This course develops students' knowledge of: the nature of engineering ethics (legal, professional, historical, and personal definitions of "engineering ethics"); the value of engineering ethics (varied contemporary and historical legal, professional, and personal reasons why an engineer should be ethical); and the resolution of ethical dilemmas (using common ethical dilemmas, identify possible actions to be taken in response, and probable consequences of those actions). One hour of lecture per week.

- ENGT 431**                      **Quality Control and Assurance**                      **(3)**  
Introduction to statistical quality control methods as applied to design tolerance, process control and process capability. Two hours of lecture and two hours of laboratory per week.
- ENGT 432**                      **Industrial Quality Control**                      **(3)**  
Study of quality management and product reliability to reduce defects and/or failures in production processes. Application of SPC control charts and reliability testing to optimize quality control processes. Two hours of lecture and two hours of laboratory per week. Prerequisite: ENGT 431.
- ENGT 433**                      **Alternative Energy Technology**                      **(3)**  
The course discusses the use of solar (thermal and photovoltaic), hydro-electric, wind, geothermal, ocean thermal, wave, tidal and geothermal energy, as well as energy from biomass. The use of fuel-cell and heat pump systems is dealt with. Issues relevant to energy efficiency and energy storage are discussed. The potential of using renewable energy technologies as a complement to, and, to the extent possible, replacement for conventional technologies, and the possibility of combining renewable and nonrenewable energy technologies in hybrid systems are analyzed. Two hours of lecture and two hours of laboratory per week.

#### CIVIL ENGINEERING TECHNOLOGY COURSES

- CIVT 141**                      **Civil Engineering Materials**                      **(3)**  
Introduction to materials and equipment for civil engineering construction. Properties and uses discussed of steel, alloys, asphalt, timbers, cement, aggregates, acoustics, etc. Two hours of lecture and two hours of laboratory per week.
- CIVT 223**                      **Water Resources Engineering**                      **(3)**  
Introduction to the science of hydrology and application. Hydro-meteorology ground-water, hydrographic, storm water control, free surface flow and water quality. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 134
- CIVT 224**                      **Soil Mechanics**                      **(3)**  
Geotechnical analysis of soils: application of science and engineering principles; methods of exploration, testing, and classification using ASTM and AASHTO laboratory methods. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 134 and CIVT 141.
- CIVT 231**                      **Surveying I**                      **(3)**  
Theory and practice of plane surveying; instruments, measurements of distances, angles, elevations; introduction to traverse, contour, and electronic distance measurements. Two hours of lecture and two hours of laboratory per week. **Listed as ENGR 1305 in the Texas Common Course Numbering System.**
- CIVT 232**                      **Engineering Statics**                      **(3)**  
Introduction to applications of equilibrium of rigid bodies, including moments, couples, and moments of inertia. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 134 and PHYS 235 or 237.
- CIVT 233**                      **Dynamics**                      **(3)**  
Principles of kinetics, kinematics, Newton's laws of motion, vectors, simple harmonic motion, and energy. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 232.
- CIVT 234**                      **Surveying II**                      **(3)**  
Continuation of CIVT 231 with emphasis on field work, design, the transit, theodolite, electronic instruments, stake out, contour, topography, and profile leveling. One hour of lecture and four hours of laboratory per week. Prerequisites: MATH 134 and CIVT 231.

<b>CIVT 301</b>	<b>Environmental Engineering</b> Introduction to sanitary microbiology and sanitary chemistry, communicable diseases, solid waste; environmental sanitation; environmental regulations; water and airborne diseases, transmission and control. Two hours of lecture and two hours of laboratory per week. Prerequisite: CHEM 111, CHEM 131 and MATH 133	<b>(3)</b>
<b>CIVT 332</b>	<b>Applied Fluid Mechanics</b> Fluid mechanics with engineering applications, properties of fluids, pressure, kinematics, energy, and flow through pipes. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 134 and CIVT 232.	<b>(3)</b>
<b>CIVT 333</b>	<b>Hydraulics Engineering</b> Introduction to quantitative hydrology, open channel flow, flow in conduits, hydraulic structures, flow measurements, and pumps. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 332.	<b>(3)</b>
<b>CIVT 334</b>	<b>Transportation Engineering</b> Study of transportation engineering concepts, planning, traffic flow, capacity analysis, environmental and utility accommodations, and transportation economics analysis. Three hours of lecture per week. Prerequisites: DRFT 132.	<b>(3)</b>
<b>CIVT 335</b>	<b>Geometric Design of Highways</b> Theory and application of the parameters impact the geometric design of highways and other roadways. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 334.	<b>(3)</b>
<b>CIVT 336</b>	<b>Structural Analysis</b> Study of determinate structures with emphasis on both the analytical and graphical approaches to trusses and building frames. Three hours of lecture per week. Prerequisites: MATH 241 and CIVT 338.	<b>(3)</b>
<b>CIVT 337</b>	<b>Reinforced Concrete Design</b> Concrete materials and properties, mixing and placement, concrete tests, design of concrete structures, elastic theory, stresses, beams, foundations, columns, and floor slabs. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 336.	<b>(3)</b>
<b>CIVT 338</b>	<b>Strength of Materials</b> Physical properties of engineering materials concepts of stress and loading shear force and bending moments. Design of structural elements. Three hours lecture per week. Prerequisites: MATH 241, CIVT 232, and PHYS 235 or 237.	<b>(3)</b>
<b>CIVT 340</b>	<b>Structural Steel Design</b> Design in steel of tension members, beams, columns, welded and bolted connections; eccentrically loaded and moment resistant joints; plate girders. Plastic design; load and resistance factor design. Composite construction; introduction to computer-aided design. Laboratory sessions. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 336 .	<b>(3)</b>
<b>CIVT 400</b>	<b>Civil Engineering Tech Project</b> Design of Civil Engineering related projects, apply the necessary criteria, city code approvals, and independent experimental study. One hour of lecture and three hours of laboratory per week. Prerequisite: Consent of the instructor required.	<b>(3)</b>
<b>CIVT 434</b>	<b>Water and Wastewater Engineering</b> Water supply and treatment, wastewater characterization and treatment. Design of units process and operation, transmission and sewerage facilities. Two hours of lecture and two hours laboratory per week. Prerequisites: CIVT 301	<b>(3)</b>



<b>ELET 214</b>	<b>Digital Logic Circuits Laboratory</b>	<b>(1)</b>
	Exercises on logic circuits, combinational and sequential logic devices, and flip- flops. Two hours of laboratory per week. Corequisite: ELET 241.	
<b>ELET 223</b>	<b>Electric Machines</b>	<b>(3)</b>
	Study of polyphase circuits, transformers, DC machines, induction machines, and small AC motors. Two hours of lecture and two hours of laboratory per week. Prerequisite: ELET 133.	
<b>ELET 232</b>	<b>Electronics II</b>	<b>(3)</b>
	Design and evaluating of the operational amplifier circuitry with feedback, linear and nonlinear circuitry, oscillators, and active filters. Three hours of lecture per week. Prerequisite: ELET 134. Corequisite: ELET 212.	
<b>ELET 241</b>	<b>Digital Logic Circuits</b>	<b>(3)</b>
	Introduction to digital technology, Boolean algebra, number systems, codes, truth tables, combinational and sequential logic, and logic devices. Three hours of lecture per week. Prerequisite: ELET 133. Corequisite: ELET 214.	
<b>ELET 243</b>	<b>Digital Hardware Design</b>	<b>(3)</b>
	Study of digital hardware with emphasis on digital circuits such as memory circuits, A/D and D/A converters. Three hours of lecture per week. Prerequisite: ELET 241. Corequisite: ELET 215.	
<b>ELET 311</b>	<b>Communications Systems Laboratory</b>	<b>(1)</b>
	Experiments on oscillators, transmitters, receivers, filters, and transmission lines as related to modern electronic communications techniques. Two hours of laboratory per week. Prerequisite: ELET 232. Corequisite: ELET 331.	
<b>ELET 312</b>	<b>Control Systems Laboratory</b>	<b>(1)</b>
	Laboratory experiments on final control elements and closed loop control systems. Two hours of laboratory per week. Prerequisite: ELET 212. Corequisite: ELET 332.	
<b>ELET 313</b>	<b>Microprocessor Architecture Laboratory</b>	<b>(1)</b>
	Experiments to explore the relationship between hardware and software in microprocessors, input/output operations, and assembly language techniques. Two hours of laboratory per week. Corequisite: ELET 343.	
<b>ELET 322</b>	<b>Integrated Circuits</b>	<b>(3)</b>
	Study of the design and application of digital and linear integrated circuits. Two hours of lecture and two hours of laboratory per week. Prerequisite: ELET 243.	
<b>ELET 323</b>	<b>Digital Signal Processing</b>	<b>(3)</b>
	To introduce the student to discrete time signals and the systems, sampling, recursive and non-recursive digital filters, and the z-transform. Three hours of lecture per week. Prerequisites: Math 242 and ELET 243.	
<b>ELET 331</b>	<b>Communications Systems</b>	<b>(3)</b>
	Study of basic communications systems with emphasis on the applications of Fourier series, Fourier transforms, modulation techniques, and transmission lines. Three hours of lecture per week. Prerequisites: MATH 242 and ELET 232. Corequisite: ELET 311.	
<b>ELET 332</b>	<b>Control Systems</b>	<b>(3)</b>
	Study of feedback control systems, Laplace transforms, and control modes and methods of implementation by analog and digital means. Three hours of lecture per week. Prerequisite: ELET 232. Corequisites: ELET 312 and MATH 345.	

- ELET 343**                      **Microprocessor Architecture**                      **(3)**  
Introduction to microprocessor hardware and software, including: microprocessor principles, organization, machine language programming, and input/output functions. Three hours of lecture per week. Prerequisite: ELET 243. Corequisite: ELET 313.
- ELET 353**                      **Microprocessor Software Applications**                      **(3)**  
Study of programming microprocessors and microcomputers using assembly language techniques with emphasis on writing industrial application programs for engineering technology. Two hours of lecture and two hours of laboratory per week. Prerequisite: ELET 130.
- ELET 410**                      **Computer Control Systems Laboratory**                      **(3)**  
Experiments on computer control systems with emphasis on the practical aspects of control principles. Two hours of laboratory per week Prerequisites: ELET 343 and ELET 332. Corequisite: ELET 430.
- ELET 411**                      **Microcomputer Networks Laboratory**                      **(1)**  
Experiments and written reports where students construct, test, and debug hardware and software components for computer networks. Two hours of laboratory per week. Corequisite: ELET 434.
- ELET 413**                      **Microprocessor Interfacing Laboratory**                      **(1)**  
Experiments on interfacing microprocessors with emphasis on input/output operations, bus systems, peripheral hardware and software applications. Two hours of laboratory per week. Corequisite: ELET 431.
- ELET 422**                      **Advanced Structured Programming with C++**                      **(3)**  
Study of object oriented programming in C++ on workstations with Microsoft C/C++. Prerequisites: Three hours of lecture per week. Prerequisite: ELET 130.
- ELET 430**                      **Computer Control Systems**                      **(3)**  
Analysis and design of control systems with emphasis on control software, programmable controllers, and data acquisitions. Three hours of lecture per week. Prerequisites: ELET 343 and ELET 332. Corequisite: ELET 410.
- ELET 431**                      **Microprocessor Interfacing**                      **(3)**  
Study of interfacing with topics on bus timing, input/output timing, serial and parallel input/output methods, subroutine and control signals. Three hours of lecture per week. Prerequisite: ELET 343. Corequisite: ELET 413.
- ELET 440**                      **Senior Electronics Project**                      **(4)**  
Opportunity for seniors to engage in a team project in applied electronics where integration of knowledge obtained throughout the program is possible. Prerequisite: Senior standing and consent of the Faculty Chair.
- ELET 434**                      **Microcomputer Networks**                      **(3)**  
Study of networking components and techniques for a microcomputer network, including the study of standards, protocols, LANs, and WANs. Three hours of lecture per week. Prerequisite: ELET 243. Corequisite: ELET 411.
- ELET 441**                      **Electronics Senior Comprehensive**                      **(0)**  
Senior Comprehensive examinations for graduating seniors majoring in Electronics Engineering Technology. Students who do not “Satisfactory” may be required to register in ELET 442 in order to complete the requirements for the course. Prerequisite: Consent of the Faculty Chair.
- ELET 442**                      **Special Topics**                      **(3)**  
Direct study, independent study or internship designed to give the student an opportunity to study a particular aspect of the discipline in some depth. Consent of the faculty chair required.

## COMPUTER ENGINEERING TECHNOLOGY COURSES

- CMET 331**                    **Micro Computer Operating Systems**                    **(3)**  
Basic functions, structure, and mechanism of modern operating systems; device management, input/output processing, and job management. Three hours of lecture per week. Prerequisite: ELET 243.
- CMET 416**                    **Applications of Microprocessor Software Laboratory**                    **(1)**  
Practice in writing industrial application programs, such as floating point mathematical routines and special purposes languages utilizing micro assemblers. Two hours of laboratory per week. Corequisite: CMET 436.
- CMET 417**                    **Data Communication Methods Laboratory**                    **(1)**  
Laboratory experiments in data communication devices. Modems, multiplexers, concentrators, front-end processor, error-checking, simplex/duplex transmission, and telecommunications. Two hours of laboratory per week. Corequisite: CMET 437.
- CMET 415**                    **Advanced Microcomputer Networks Lab**                    **(1)**  
Experiments utilizing hardware and software in the design, operation, and analysis of computer networks. Topics include LANS, WANS, networking components and techniques, standards and protocols. Two hours of laboratory per week. Prerequisites: ELET 411 and ELET 434. Corequisite: CMET 435.
- CMET 419**                    **Microcomputer Peripheral Hardware Laboratory**                    **(1)**  
Experiments in the application of microprocessor peripheral hardware and interfacing, including the configuration and construction of a microprocessor system. Two hours of laboratory per week. Prerequisite: ELET 313. Corequisite: CMET 439.
- CMET 432**                    **Senior Project**                    **(4)**  
A capstone team project that includes a written proposal, with functional specifications and timetable of a project for approval by faculty members. Formal oral and written presentations, and a prototype required. Prerequisites: Senior standing, and consent of Faculty Chair.
- CMET 435**                    **Advanced Microcomputer Networks**                    **(3)**  
Advanced topics in the design, operation, and analysis of microcomputer networks, including internetworking and routers, network management, and etc. Three hours of lecture per week. Prerequisite: ELET 434.
- CMET 436**                    **Applications of Microprocessor Software**                    **(3)**  
Utilization of micro assemblers to write floating point mathematical routines, special purpose languages, generate relocatable code, etc. Two hours of lecture and two hours of laboratory per week. Prerequisites: ELET 343 and MATH 242. Corequisite: CMET 416.
- CMET 437**                    **Data Communication Methods**                    **(3)**  
Study of data communication devices and software, their functional and operational aspects, including modems, control units, multiplexers, concentrators, front-end processors, etc. Three hours of lecture per week. Corequisite: CMET 417.
- CMET 441**                    **Computer Engineering Technology Comprehensive Exam**                    **(0)**  
Comprehensive Examination for graduating seniors majoring in Computer Engineering Technology. Prerequisite: Consent of the Faculty Chair.
- CMET 438**                    **Artificial Intelligence**                    **(3)**  
The fundamental principals of artificial intelligence and expert systems are introduced and their application in various area of science and engineering. Two hours of lecture and two hours of laboratory per week. Prerequisites: ELET 422 and Senior standing.

- CMET 439**                      **Microcomputer Peripheral Hardware**                      **(3)**  
 Microprocessor peripheral hardware and its interfacing, configuration and construction, including series and parallel I/O and interrupt control devices, bus arbitration, and memory management units. Two hours of lecture and two hours of laboratory per week. Prerequisite: ELET 343. Corequisite: CMET 419.
- CMET 470**                      **Java Programming**                      **(3)**  
 High-level, object-oriented language programming using JAVA. The course includes inheritance and polymorphism, implementing hiding, and the creation of JAVA applets for internet usage. Two hours of Lecture and two hours of laboratory per week. Prerequisites: ELET 130, ELET 422, and Senior standing.

**COOPERATIVE EDUCATION COURSES**

- COE 233**                      **Cooperative Education**                      **(3)**  
 First training period designed to give students full-time experience in industry. They are introduced to training in concentration areas, are supervised closely, and begin developing interpersonal skills. Forty hours of work experience per week. Prerequisite: completion of at least 30 semester credit hours with minimum GPA of 2.5.
- COE 235**                      **Cooperative Education**                      **(3)**  
 Second training period designed to make students assertive in the workplace and aware of gaining upward mobility. Students continue to develop skills in their chosen career areas and are closely supervised. Forty hours of work experience per week. Prerequisite: COE 233.
- COE 333**                      **Cooperative Education**                      **(3)**  
 Third training period where students continue career related work in their chosen areas. Students exposed to analyzing and evaluating their career choices through training requirements, working conditions, and employment outlook. Forty hours of work experience per week. Prerequisite: COE 235.
- COE 433**                      **Cooperative Education**                      **(3)**  
 Fourth training period where the student/employer exposure is well established and students are prepared for full-time employment upon graduation. Variables affecting decision making and other factors enhancing employee-employer relations explored. Forty hours of work experience per week. Prerequisite: COE 333.



**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE IN  
CIVIL ENGINEERING TECHNOLOGY  
TOTAL CREDITS REQUIRED: 129**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (CIVIL ENGR TECH)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>63 credits</b>	<b>22 credits</b>
ENG 131 (3)**	CIVT 141 (3) ^	FS 102 (1)
ENG 132 (3)	CIVT 223 (3)	ITEC 331 (3)
SC 135 or 136 (3)	CIVT 224 (3) ^	DRFT 131 (3)
MATH 133 (3)	CIVT 231 (3) ^	PHYS 214 (1)
CHEM 111, 131 (4)	CIVT 232 (3) ^	PHYS 238 (3)
PHYS 213, 237 (4)	CIVT 233 (3) ^	MATH 134 (3)
ENG 2xx (3)	CIVT 234 (3)	MATH 241 (4)
MUSI 239 (3)	CIVT 301 (3)	MATH 242 (4)
HIST 231 (3)	CIVT 332 (3) ^	
HIST 232 (3)	CIVT 333 (3)	
POLS 231 (3)	CIVT 334 (3)	
POLS 232 (3)	CIVT 335 (3)	
ELET 130 (3)--	CIVT 336 (3)	
SOC 157 (3)	CIVT 337 (3)	
	CIVT 338 (3)	
	CIVT 340 (3)	
	CIVT 400 (3)	
	CIVT 434 (3)	
	ENGT 331 (3)	
	CIVT 435 (3)	
	Technical Elective (3)^	

^ These courses are required for a minor in Civil Engineering Technology.

-- Substitutes for CS 116.

\* Student should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

^^ The Technical Elective should be selected from one of the following three-credit courses: MATH 345, MATH 474, and ENGT 433.

**Bachelor of Science Degree in Civil Engineering Technology**  
**Degree Plan - Total Credits: 129**

First Year	First Semester		Second Semester	
	ELET 130 Intro to Stru. Prog. with C++	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English	3	MATH 134 Plane Trigonometry	3
	MATH 133 College Algebra	3	SC 135 Business & Prof. Comm.	3
	FS 102 Freshman Seminar	1	CIVT 141 Civil Engineering Materials	3
	PHYS 237 College Physics 1	3	PHYS 238 College Physics II	3
	PHYS 213 College Physics 1 Lab	1	PHYS 214 College Physics II Lab.	1
	SOC 157 Intro to Sociology	3		
	17 hrs		16 hrs	

Second Year	Third Semester		Fourth Semester	
	CIVT 231 Surveying I	3	CIVT 233 Dynamics	3
	CIVT 232 Statics	3	CIVT 224 Geotechnical Engineering	3
	ENG 2xx Upper level English	3	MATH 242 Calculus & Anal. Geometry	4
	MATH 241 Calculus & Geometry I	4	MUSC 239 Fine Arts in Daily Living	3
	CHEM 131 General Chemistry	3	POLS 231 American Pol. System I	3
	CHEM 111 General Chemistry I Lab	1		
	17 hrs		16 hrs	

Third Year	Fifth Semester		Sixth Semester	
	CIVT 234 Surveying II	3	CIVT 223 Hydrology & Water Resources	3
	CIVT 337 Reinforced Concrete Design	3	CIVT 333 Hydraulics Engineering	3
	CIVT 332 Applied Fluid Mechanics	3	CIVT 335 Geometric Design of Hwys	3
	POLS 232 America Pol System II	3	DRFT 336 Computer Aided Design	3
	HIST 231 Soc Pol History of U.S	3	HIST 232 Soc & Pol History of the U.S	3
	CIVT 338 Strength of Materials	3	CIVT 336 Structural Analysis	3
	18 hrs		18hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	CIVT 301 Environmental Engineering	3	CIVT 331 Transportation Engineering	3
	CIVT 400 Problems in Civil Eng Tech.	3	CIVT 434 Water & Wastewater Eng	3
	CIVT 435 Civil Eng Const. Methods	3	CIVT 340 Structural Steel Design	3
	ITEC 331 Technical Writing	3	ENGT 331 Engineering Economy	3
			** Technical Elective	3
	12 hrs		15 hrs	

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE IN  
ELECTRONICS ENGINEERING TECHNOLOGY  
TOTAL CREDITS REQUIRED: 128**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (ELECTRN ENGR TECH)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>55 credits</b>	<b>29 credits</b>
ENG 131 (3)**	ELET 111 (1)^	DRFT 233 (3)
ENG 132 (3)	ELET 114 (1)^	FS 102 (1)
SC 135 or 136 (3)	ELET 113 (1)^	ENGT 333 (1)
MATH 133 (3)	ELET 131 (3)^	ENGT 331 (3)
CHEM 111, 131 (4)	ELET 134 (3)^	ITEC 331 (3)
PHYS 213, 237 (4)	ELET 133 (3)^	MATH 134 (3)
ENG 2xx (3)	ELET 212 (1)	MATH 241 (4)
MUSI 239 (3)	ELET 215 (1)	MATH 242 (4)
HIST 231 (3)	ELET 214 (1)	MATH 345 (3)
HIST 232 (3)	ELET 232 (3)	PHYS 214 (1)
POLS 231 (3)	ELET 241 (3)^	PHYS 238 (3)
POLS 232 (3)	ELET 243 (3)^	
ELET 130 (3)--	ELET 311 (1)	
SOC 157 (3)	ELET 312 (1)	
	ELET 313 (1)	
	ELET 331 (3)	
	ELET 332 (3)	
	ELET 343 (3)^	
	ELET 410 (1)	
	ELET 411 (1)	
	ELET 412 (1)	
	ELET 413 (1)	
	ELET 422 (3)	
	ELET 430 (3)	
	ELET 431 (3)	
	ELET 440 (4)	
	ELET 434 (3)	
	ELET 441 (0)	

^ These courses are required for a minor in Electronics Engineering Technology.

-- Substitutes for CS 116.

\* Student should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**Bachelor of Science Degree in Electronics Engineering Technology**  
**Degree Plan - Total Credits: 128**

First Year	First Semester		Second Semester	
	ELET 111 DC Circuit Lab	1	ELET 113 Circuits Lab	1
	ELET 131 DC Circuits	3	ELET 133 AC Circuits	3
	ELET 130 Intro to Stru. Prog. with C++	3	ENG 132 Freshman English II	3
	DRFT 233 Intro to Computer Aided Design	3	MATH 134 Plane Trigonometry	3
	ENG 131 Freshman English I	3	MUSIC 239 Fine Arts in Daily Living	3
	MATH 133 College Algebra	3	CHEM 111 General Chemistry Lab	1
	FS 102 Freshman Seminar	1	CHEM 131 General Chemistry	3
	17 hrs		17 hrs	

Second Year	Third Semester		Fourth Semester	
	ELET 114 Electronics I Lab	1	ELET 212 Electronics II Lab	1
	ELET 134 Electronics I	3	ELET 232 Electronics II	3
	ELET 214 Digital Logic Circuits Lab	1	ELET 215 Digital Hardware Design Lab	1
	ELET 241 Digital Logic Circuits	3	ELET 243 Digital Hardware Design	3
	MATH 241 Calculus & Geometry I	4	MATH 242 Calculus & Anal. Geometry	4
	ENG 2xx Upper level English	3	SC 135 Business & Prof. Comm.	3
	SOC 157 Intro to Sociology	3		
	18 hrs		15 hrs	

Third Year	Fifth Semester		Sixth Semester	
	ELET 313 Microprocessor Architecture Lab	1	ELET 311 Communicating Systems Lab	1
	ELET 343 Microprocessor Architecture	3	ELET 331 Communicating Systems	3
	MATH 345 Applied Math & Stat. for Tech.	3	ITEC 331 Technical Writing	3
	PHYS 213 Phys Lab For Tech I	1	PHYS 214 Phys Lab for Tech. II	1
	PHYS 237 Phys For Tech I	3	PHYS 238 Phys for Tech. II	3
	POLS 231 America Pol System I	3	POLS 232 America Pol System II	3
	HIST 231 Soc. Pol. His. of U.S.	3	HIST 232 Soc. Pol. His. of U.S.	3
	17 hrs		17 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	ELET 312 Control Systems Lab	1	ELET 410 Computer Control Systems Lab	1
	ELET 332 Control Systems	3	ELET 430 Computer Control Systems	3
	ELET 411 Micro Computer Networks Lab.	1	ELET 413 Microprocessor Interfacing Lab	1
	ELET 434 Micro Computer Networks	3	ELET 431 Microprocessor Interfacing	3
	ENGT 331 Engineering Economy	3	ELET 440 Senior Electronics Project	4
	ELET 422 Advanced Stru. Prog. With C++	3	ELET 441 Electronics SR. Comp	0
			ENGT 333 Ethics & Pro. Eng. Practice	1
	14 hrs		13 hrs	

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE IN  
COMPUTER ENGINEERING TECHNOLOGY  
TOTAL CREDITS REQUIRED: 128**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (COMPUTER ENGR TECH)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>55 credits</b>	<b>29 credits</b>
ENG 131 (3)**	ELET 111 (1)^	DRFT 233 (3)
ENG 132 (3)	ELET 114 (1)^	FS 102 (1)
SC 135 or 136 (3)	ELET 113 (1)^	ENGT 331 (3)
MATH 133 (3)	ELET 131 (3)^	ITEC 331 (3)
CHEM 111, 131 (4)	ELET 134 (3)^	ITEC 412 (1)
PHYS 213, 237 (4)	ELET 133 (3)^	MATH 134 (3)
ENG 2xx (3)	ELET 215 (1)	MATH 241 (4)
MUSI 239 (3)	ELET 214 (1)	MATH 242 (4)
HIST 231 (3)	ELET 241 (3)^	MATH 345 (3)
HIST 232 (3)	ELET 243 (3)^	PHYS 214 (1)
POLS 231 (3)	ELET 313 (1)	PHYS 238 (3)
POLS 232 (3)	ELET 343 (3)	
ELET 130 (3)--	ELET 411 (1)	
SOC 157 (3)	ELET 434 (3)	
	ELET 422 (3)	
	CMET 331 (3)	
	CMET 415 (1)	
	CMET 416 (1)	
	CMET 417 (1)	
	CMET 432 (4)	
	CMET 435 (3)	
	CMET 436 (3)	
	CMET 437 (3)	
	CMET 441 (0)	
	CMET 470 (3)	
	CMET 438 (3)	

^ These courses are required for a minor in Electronics Engineering Technology.

-- Substitutes for CS 116.

\* Student should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**Bachelor of Science Degree in Computer Engineering Technology**  
**Degree Plan - Total Credits: 128**

First Year	First Semester		Second Semester	
	ELET 111 DC Circuit Lab	1	ELET 113 Circuits Lab	1
	ELET 131 DC Circuits	3	ELET 133 AC Circuits	3
	ELET 130 Intro to Stru. Prog. with C++	3	ENG 132 Freshman English II	3
	DRFT 233 Intro to Computer Aided Design	3	MATH 134 Plane Trigonometry	3
	ENG 131 Freshman English I	3	CHEM 111 General Chemistry Lab	1
	MATH 133 College Algebra	3	CHEM 131 General Chemistry	3
	FS 102 Freshman Seminar	1	SOC 157 Intro to Sociology	3
	17 hrs		17 hrs	

Second Year	Third Semester		Fourth Semester	
	ELET 112 Electronics I Lab	1	ELET 213 Digital Hardware Design Lab	1
	ELET 132 Electronics I	3	ELET 243 Digital Hardware Design	3
	ELET 214 Digital Logic Circuits Lab	1	MATH 242 Calculus & Anal. Geometry	4
	ELET 241 Digital Logic Circuits	3	MUSIC 239 Fine Arts in Daily Living	3
	MATH 241 Calculus & Geometry I	4	SC 135 Business & Prof. Comm.	3
	POLSC 231 America Pol System I	3	POLSC 232 America Pol System II	3
	ENG 2xx Upper level English	3		
	18 hrs		17 hrs	

Third Year	Fifth Semester		Sixth Semester	
	ELET 313 Microprocessor Architecture Lab	1	ITEC 331 Technical Writing	3
	ELET 343 Microprocessor Architecture	3	PHYS 214 Phys Lab for Tech. II	1
	CMET 331 MicroComputer Operating System	3	PHYS 238 Phys for Tech. II	3
	PHYS 213 Phys Lab For Tech I	1	HIST 232 Soc. Pol. His. of U.S.	3
	PHYS 237 Phys For Tech I	3	SOC 157 Intro to Sociology	3
	HIST 231 Soc. Pol. His. of U.S.	3	MATH 345 Applied Math & Stat. for Tech.	3
	14 hrs		16 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	ELET 422 Advanced Stru. Prog. With C++	3	CMET 417 Data Communication Methods Lab	1
	CMET 415 Advanced MicroCom. Networks Lab.	1	CMET 437 Data Communication Methods	3
	CMET 435 Advanced MicroCom. Networks	3	CMET 432 Senior Project II	4
	CMET 416 Applied Microprocessor Soft. Lab	1	CMET 441 Computer Eng. Tech. Comp. Exam	0
	CMET 436 Applied Microprocessor Soft	3	CMET 470 Java Programming	3
	ENGT 331 Engineering Economy	3	ELET 411 Micro Computer Networks Lab.	1
			ELET 434 Micro Computer Networks	3
	14 hrs		15 hrs	

## TWO YEAR COURSE ROTATION SCHEDULE

X indicates when a course shall be offered

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	CO-REQUISITES
CIVT 141	Civil Engr Mtls	3	x	x		x	x		None	CIVT 141
CIVT 223	Water Resource Engineering	3		x			x		None	CIVT 223
CIVT 224	Soil Engineering	3		x			x		MATH 134 & CIVT 141	CIVT 224
CIVT 231	Plane Surveying I	3	x			x			None	CIVT 231
CIVT 232	Statics	3	x			x			MATH 134 & PHYS 235 or 237	CIVT 232
CIVT 233	Dynamics	3		x			x		CIVT 232	CIVT 233
CIVT 234	Surveying II	3		x			x		CIVT 231 & MATH 134	CIVT 234
CIVT 301	Water and Wastewater Engring	3	x			x			CHEM 111, 131 & MATH 133	CIVT 301
CIVT 332	Applied Fluid Mechanics	3	x			x			CIVT 232 & MATH 134	CIVT 332
CIVT 333	Hydraulic Engineering	3		x			x		CIVT 332	CIVT 333
CIVT 334	Transportation Engineering	3	x			x			DRFT 132	CIVT 334
CIVT 335	Geom Des Of Highways	3		x			x		CIVT 334	CIVT 335
CIVT 336	Structural Analysis	3		x			x		MATH 241 & CIVT 338	CIVT 336
CIVT 337	Reinforced Concrete Design	3	x			x			CIVT 336	CIVT 337
CIVT 340	Structural Steel Design	3	x			x			CIVT 336 & CIVT 338	CIVT 340
CIVT 400	Civil Engr Tech Project	3	x			x			Senior	CIVT 400
CIVT 434	Sanitary Engineering	3		x			x		CIVT 301	CIVT 434
CIVT 435	Building Construction	3			x			x	CIVT 337 & CIVT 340	CIVT 435
CMET 331	Microcomputer Operating System	3		x			x		None	CMET 331
CMET 412	Senior Project I	1							None	CMET 412
CMET 415	Advanced Microcomp Network Lab	1	x		x	x		x	ELET 411 & ELET 434	CMET 415
CMET 416	Appl of Microproc Software Lab	1	x	x		x	x		None	CMET 416
CMET 417	Data Communication Mthds Lab	1		x			x		None	CMET 417
CMET 419	Peripheral Hardware Lab	1		x			x		ELET 313	CMET 419
CMET 432	Senior Project II	3		x			x		CMET 412	CMET 432
CMET 435	Advanced Microcomp Networks	3	x			x			ELET 434	CMET 435
CMET 436	Appl of Microproc Software	3	x			x			ELET 343 and MATH 242	CMET 436
CMET 437	Data Communication Mthds	3		x			x		None	CMET 437
CMET 438	Artificial Intelligence	3	x			x			ELET 422	CMET 438
CMET 441	Computer Engr Tech Comp Exam	0	x	x		x	x		Senior	CMET 441
CMET 470	Java Programming	3	x			x			ELET 130 and ELET 422	CMET 470
ELET 111	DC Circuits Lab	1	x	x		x	x		None	ELET 111
ELET 113	AC Circuits Lab	1	x	x	x	x	x	x	ELET 133	ELET 113

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	CO-REQUISITES
ELET 114	Electronics I Laboratory	1	x	x		x	x		None	ELET 114
ELET 130	Intro to Stru Prog with C++	3	x	x	x	x	x	x	None	ELET 130
ELET 131	DC Circuits	3	x	x		x	x		None	ELET 131
ELET 133	AC Circuits	3	x	x	x	x	x	x	ELET 131 and MATH 134	ELET 133
ELET 134	Electronics I	3	x	x		x	x		None	ELET 134
ELET 212	Electronics II Lab	3	x	x		x	x		ELET 132	ELET 212
ELET 214	Digital Logic Circuits Lab	1	x			x			ELET 241	ELET 214
ELET 215	Digital Hardware Design Lab I	1		x			x		None	ELET 215
ELET 232	Electronics II	3	x	x		x	x		ELET 132	ELET 232
ELET 241	Digital Logic Circuits	3	x			x			ELET 133	ELET 241
ELET 215	Digital Hardware Design Lab I	1		x			x		None	
ELET 232	Electronics II	3	x	x		x	x		ELET 132	
ELET 241	Digital Logic Circuits	3	x			x			ELET 133	
ELET 243	Digital Hardware Design	3		x			x		ELET 241	
ELET 311	Communications Systems Lab	1		x			x		ELET 232	
ELET 312	Control Systems Lab	1	x			x			ELET 212	
ELET 313	Microprocessor Arch Lab	1	x			x			None	
ELET 331	Communications Systems	3		x			x		ELET 232 and MATH 242	
ELET 332	Control Systems	3	x			x			None	
ELET 343	Microprocessor Architecture	3	x			x			ELET 243	
ELET 410	Computer Control Sys Lab	1		x			x		ELET 343 and ELET 332	
ELET 411	Microcomputer Networks Lab	1	x			x			None	
ELET 422	Special Topics	3	x	x	x	x	x	x	None	
ELET 430	Computer Control Systems	3		x			x		ELET 343 and ELET 332	
ELET 431	Microprocessor Interfacing	3		x	x		x	x	ELET 343	
ELET 434	Microcomputer Networks	3	x			x			ELET 243	
ELET 440	Senior Electronics Project	4	x	x		x	x		None	
ELET 441	Electronics Senior Comps	0	x	x		x	x		None	
ELET413	Microprocessor Interfacing Lab	1		x	x		x	x	None	
ENGT 111	Intro to Project Mgmt	1	x	x		x	x		None	
ENGT 331	Engineering Economy	3	x	x		x	x		None	
ENGT 333	Ethics in Prof Eng Practice	3	x	x		x	x		None	
ENGT 433	Alternative Energy Tech	3		x			x		None	



## DEPARTMENT OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY

The Department of Environmental Science and Technology offers the following degrees, Master of Science (M.S.) and Doctorate of Philosophy (Ph.D.) in Environmental Toxicology. The teaching facilities, research facilities, and faculty members for the Department are housed on the 3rd floor of TSU Science Center with the Department Office located in Room 303. In addition to the graduate level programs, the department offers the general education course in Geology.

**Students interested in pursuing the Master of Science or a Doctorate of Philosophy in Environmental Toxicology should consult the Graduate School Bulletin of Texas Southern University for further information.**

### LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Balaji-Bhaskar, Maruthi Sridhar</b>  <b>Assistant Professor</b>                      Ph.D. Mississippi State University                      M.S. Acharya N.G. Ranga Agricultural University                      B.S. Acharya N.G. Ranga Agricultural University</p>	<p><b>DuMond, James W.</b>  <b>Associate Professor and Interim Associate Dean</b>                      Ph.D., University of Alabama at Birmingham                      M.S., Montana Tech                      B.S., Eastern Montana College</p>
<p><b>Hwang, Hyun-Min</b>  <b>Visiting Assistant Professor</b>                      Ph.D., Texas A&amp;M University                      M.S., Hanyang University                      B.S., Hanyang University</p>	<p><b>Nyamapfene, Kingston</b>  <b>Professor and Assistant Provost for Online and Distance Learning Programs</b>                      Ph.D., Aberdeen University                      M.S., Cornell University                      B.A., University of London</p>
<p><b>Hwang, Hyun-Min</b>  <b>Visiting Assistant Professor</b>                      Ph.D., Texas A&amp;M University                      M.S., Hanyang University                      B.S., Hanyang University</p>	<p><b>Yu, Lei</b>  <b>Professor of Transportation Studies, Interim Chair and Dean</b>                      Ph.D., Queen's University                      M.S., Nagoya Institute of Technology                      B.Eng., Beijing Jiaotong University</p>
<p><b>Wilson, Bobby L.</b>  <b>Professor of Chemistry and Director of the Environmental Toxicology Program</b>                      Ph.D., Michigan State University                      M.S., Southern University                      B.S., Alabama State University</p>	

### ENVIRONMENTAL SCIENCE AND TECHNOLOGY COURSES

#### GEOL 141

#### **Introduction to the Earth**

(4)

Introduction to the study of the earth: the evolution of its landscapes, its weather, its climate, and its place in the universe. Three hours of lecture and one hour of laboratory per week.

## DEPARTMENT OF INDUSTRIAL TECHNOLOGIES

The Bachelor of Science (B.S.) degree in Industrial Technology, with concentrations in Construction Technology (CONS) and Design Technology (DRFT), is offered in the Department of Industrial Technologies. Supporting courses in Cooperative Education (COE), Industrial Technology (ITEC), and Automated Manufacturing Technology (MFG) are also offered through the Department. Two minors are offered for students pursuing majors in other academic disciplines and who are required to declare a minor in a second academic discipline for graduation. One minor is offered in Industrial Technology, and the other minor is offered in Community Development. All programs are accredited by The Association of Technology, Management, and Applied Engineering (ATMAE). Members of the Department are housed in Temporary Buildings 7 and 8. Detailed information on concentrations and on minors is provided below.

In seeking the B.S. in Industrial Technology through this unit, students may select from two (2) different curriculum concentration that focus on one of the following areas of concentration: Construction Technology or Design Technology. Students are not required to declare a minor in a second academic discipline in selecting one of the available concentrations. Detailed information on both options leading to the B.S. in Industrial Technology is provided below.

The primary mission of the Department is to offer programs of study designed to prepare students as “management-oriented technical professionals” who have practical knowledge, competencies, skills, and training to serve and function in the Industrial/Manufacturing Enterprise System. In pursuing this mission, the Department seeks to prepare Industrial Technologists and Technical Managers for career opportunities in the Manufacturing, Construction, and Communications Industries.

Students wishing to earn the B.S. in Industrial Technology (that is, students who wish to declare undergraduate majors in the Department) must first gain admission to the University, must satisfy ASSET requirements and eradicate identified deficiencies through the Student Academic Enhancement Services (SAES), must contact the Department Office while satisfying ASSET requirements for advisement, and must petition the Department for admission once ASSET requirements have been completed and deficiencies removed. Students wishing to minor in Industrial Technology should contact the Department Office once they have been admitted as majors in other academic units of the University and have met all ASSET requirements. **Prior to graduation, all courses required for the degree must be completed with grades of “C” or better (grades below “C”, including “C-”, are unacceptable) and majors must pass an exit examination during their senior year.**

**For the minor in Industrial Technology, twenty-one (21) semester credit hours must be completed with grades of “C” or better (grades below “C”, including “C-”, are unacceptable).** Fifteen (15) of the twenty-one (21) credits must be selected from one of three academic disciplines offered through the unit: CONS, DRFT, or MFG. Three (3) additional semester credit hours must be selected from a second of these three disciplines. The last three (3) semester credit hours required must be taken through enrollment in one of the following: ITEC 331, ITEC 333, or ITEC 439. Minors must also complete the following two (2) Mathematics courses or their equivalents in conjunction with the designated twenty-one (21) semester credit hours above and with the same grade restrictions: MATH 133 (3 credits) and MATH 134 (3 credits). All programs of study for minors must be approved, in advance, by the Faculty Chair prior to enrollment in courses.

The minor in Community Development represents a comprehensive, interdisciplinary approach that includes courses offered through the unit, as well as courses offered through other units at the University. A total of twenty-one (21) semester credit hours must be completed which are broadly apportioned between theoretical knowledge (18 credits) and experiential learning (3 credits). **Courses enrolled for in seeking this minor must be completed with grades of “C” or better where grades below “C”, including “C-”, are unacceptable.** Students seeking the Community Development minor are required to enroll in the following courses offered through this unit: ITEC 131 (3 credits), ITEC 335 (3 credits), CONS 344 (3 credits), CONS 435 (3 credits), and COE 333 (3 credits). Outside of this unit, students are required to complete the following two courses in order to complete the minor: SOC 337 (3 credits) and MGMT 400 (3 credits).

**Students requiring additional information should contact the Department either directly or by calling 713-313-7679**

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Horner, Jessie E.</b>  <b>Associate Professor (Interim Chair)</b>                      B.S., Northwestern State University                      M.S., Texas Southern University                      Ed.D., University of Houston</p>	<p><b>Lott, Carl B.</b>  <b>Assistant Professor</b>                      B.S., M.S., Ed.D., Texas Southern University</p>
<p><b>Lewis, J. Jonathan, CSTM</b>  <b>Associate Professor</b>                      A.A., Kingsboro College                      B.B.A., Jones College                      M.S., Ed.D., Texas Southern University</p>	<p><b>Osakue, Edward E.</b>  <b>Assistant Professor</b>                      B.Eng., University of Benin                      M.Eng., University of Benin                      Ph.D., University of New Brunswick</p>

## CONSTRUCTION TECHNOLOGY COURSES

<b>CONS 131</b>	<p><b>Introduction to Construction Development</b> (3)</p> <p>Introduction to the overall construction industry to include history, career opportunities, entrepreneurship, types of construction, differences in office and jobsite working conditions, plan reading and vocabulary. Three hours of lecture per week</p>
<b>CONS 141</b>	<p><b>Materials and Applications</b> (2)</p> <p>Sources, properties, acceptable and recommended applications of industrial materials in the construction industry. Two hours of lecture week and two per week.</p>
<b>CONS 141L</b>	<p><b>Materials and Applications Lab</b> (1)</p> <p>Laboratory exercises on applications of industrial materials. Two hours of laboratory per week. Corequisite: CONS 141</p>
<b>CONS 242</b>	<p><b>Framing Principles</b> (1)</p> <p>Foundation and wall framing techniques essential to residential and light commercial construction and construction details involving form building, bracing, steps, and geometry of roofing systems. One hour of lecture lab per week. Corequisite: 242; Prerequisite: CONS 141.</p>
<b>CONS 242L</b>	<p><b>Framing Principles Lab</b> (2)</p> <p>Laboratory exercises in foundation and wall framing techniques n construction details for residential and light commercial construction. Four hours of laboratory per week. Corequisite: 242</p>
<b>CONS 243</b>	<p><b>Energy Efficiency and Construction</b> (1)</p> <p>Energy efficiency in residential and light commercial buildings. Fuel based, solar, and other alternative energy sources. Economic analyses and societal impact of alternatives. One hour of lecture per week. Corequisite: CONS 243L; Prerequisite: CONS 242</p>
<b>CONS 243L</b>	<p><b>Energy Efficiency and Construction</b> (2)</p> <p>Energy efficiency in residential and light commercial buildings. Fuel based, solar, and other alternative energy sources. Economic analyses and societal impact of alternatives. Four hours of laboratory per week. Corequisite: CONS 243</p>
<b>CONS 244</b>	<p><b>Construction Safety</b> (3)</p> <p>Examination of specialized procedures in health, safety, and environmental protection and lost prevention for the construction industry. Requirements of OSHA and other federal and state standards and regulations emphasized. Three hours of lecture per week.</p>

<b>CONS 331</b>	<b>Models and Presentations</b> Three-dimensional requirements for models using computer-aided drafting techniques and cardboard, plastic, and wood media. Plan reading, scaling, and sketching emphasized. One hour of lecture per week. Corequisite: CONS 331; Prerequisites: DRFT 133, DRFT 232 and CONS 242.	<b>(1)</b>
<b>CONS 331L</b>	<b>Models and Presentation Lab</b> Exercises in drafting techniques and cardboard, plastic, and wood media. Plan reading, scaling, and sketching emphasized. Four hours of laboratory per week. Corequisite: CONS 331	<b>(2)</b>
<b>CONS 333</b>	<b>Quantity Surveying</b> Quantity surveying for construction and engineering along with bid preparation and analysis where computer applications are emphasized. Two hours of lecture and per week. Prerequisite: Consent of the instructor. Corequisite: CONS 333L	<b>(2)</b>
<b>CONS 333L</b>	<b>Quantity Surveying Lab</b> Exercises in the accurate use of estimating methods and correct visualization of work. Two hours of laboratory per week. Corequisite: CONS 333	<b>(1)</b>
<b>CONS 334</b>	<b>Concrete Technology</b> Methods for forming concrete, concrete elements and handling, and reinforced concrete. One hour of lecture per week. Corequisite: 334L; Prerequisites: CONS 242 and DRFT 133.	<b>(1)</b>
<b>CONS 334L</b>	<b>Concrete Technology Lab</b> Exercises in forming, elements, and handling of concrete. Four hours of laboratory per week. Corequisite: CONS 334	<b>(2)</b>
<b>CONS 341</b>	<b>MEPFI Systems</b> Introduction to Mechanical, Electrical, Plumbing, Fire and information distribution systems found in the design and building phases of construction. Emphasis on how these systems support occupant's use; climate specific issues and the impact of these distributions systems on their uses. Two hours of lecture per week. Corequisite: 341L; Prerequisites: CONS 242 and DRFT 232 or the equivalents.	<b>(2)</b>
<b>CONS 341</b>	<b>MEPFI Systems Lab</b> Exercises in Mechanical, Electrical, Plumbing, Fire, and information distribution systems found in the design and building phases of construction. Two hours of laboratory per week. Corequisite: CONS 341	<b>(1)</b>
<b>CONS 344</b>	<b>Construction Management I</b> Study of the principles of construction systems management with emphasis on stages of construction, management information systems, and operations management. One hour of lecture per week. Corequisite: CONS 344L; Prerequisite: CONS 334.	<b>(1)</b>
<b>CONS 344L</b>	<b>Construction Management I Lab</b> Exercises in the stages of construction, management information systems, and operations management. Four hours of laboratory per week. Corequisite: CONS 344	<b>(2)</b>
<b>CONS 433</b>	<b>Estimating</b> Instruction in making materials and labor estimates for residential and light commercial buildings primarily from the use of working drawings. One hour of lecture per week. Corequisite: CONS 433; Prerequisites: CONS 242 and DRFT 232 or the equivalents.	<b>(2)</b>
<b>CONS 433L</b>	<b>Estimating Lab</b> Instruction in costing materials and labor for residential and light commercial buildings primarily from the use of working drawings. Two hours of laboratory per week. Corequisite: CONS 433	<b>(1)</b>

<b>CONS 435</b>	<b>Contracts and Specifications</b> Legal aspects of contracts, specifications, and legal documents along with bidding procedures. Students required to develop contract documents and specifications. Two hours of lecture and two hours of laboratory per week. Prerequisites: Senior standing and consent of the Faculty Chair or instructor.	<b>(3)</b>
<b>CONS 436</b>	<b>Construction Management II</b> Management functions, by which construction projects are authorized, financed, supervised, and closed out. Emphasis on the development of effective supervisory and managerial techniques using computer databases. Two hours of lecture per week. Corequisite: CONS 436L; Prerequisite: Senior standing or consent of the instructor.	<b>(2)</b>
<b>CONS 436L</b>	<b>Construction Management II Lab</b> Exercises in the management functions of construction projects. Two hours of laboratory per week Corequisite: CONS 436	<b>(1)</b>
<b>CONS 437</b>	<b>Construction Problems</b> Independent, in-depth study and analysis of special problems related to construction where students must use critical and creative thinking skills for formulating solutions. Three hours of lecture per week. Prerequisites: Senior standing and consent of the instructor.	<b>(3)</b>
<b>CONS 451</b>	<b>Mechanical Systems</b> Principles of air conditioning and heating systems used in commercial and residential buildings with emphasis on planning and designing systems. One hour of lecture per week. Corequisite: CONS 451L; Prerequisite: Consent of the instructor.	<b>(1)</b>
<b>CONS 451L</b>	<b>Mechanical Systems Lab</b> Laboratory exercises covering principles of air conditioning and heating systems used in commercial and residential buildings. Four hours of laboratory per week. Corequisite: CONS 451.	<b>(2)</b>
<b>CONS 475</b>	<b>Facilities Management</b> Techniques in the overall management and maintenance of facilities such as schools, housing projects, and municipal buildings. Organization, supervision, and life cycle costing using computer applications emphasized. Two hours of lecture per week. Corequisite: CONS 475L; Prerequisite: Senior level or consent of the instructor.	<b>(2)</b>
<b>CONS 475L</b>	<b>Facilities Management Lab</b> Laboratory exercises on sketching, costing, and computer applications of facilities. Two hours of laboratory per week. Corequisite: ONS 475.	<b>(1)</b>

#### DRAFTING AND DESIGN TECHNOLOGY COURSES

<b>DRFT 131</b>	<b>Fundamentals of Drafting</b> Emphasis on geometric construction, orthographic and axonometric projections. Introduction to computer aided drafting included. One hour of lecture per week. Corequisite: DRFT 131L	<b>(1)</b>
<b>DRFT 131L</b>	<b>Fundamentals of Drafting Lab</b> Emphasis on geometric construction, orthographic and axonometric projections. Introduction to computer aided drafting included. Four hours of laboratory per week. Corequisite: DRFT 131	<b>(2)</b>
<b>DRFT 132</b>	<b>Descriptive Geometry</b> Folding line relationships and notations, auxiliary views, angles between plane revolutions, and intersections. One hour of lecture and four hours of laboratory per week. Corequisite: DRFT 132L; Prerequisite: DRFT 131.	<b>(1)</b>

<b>DRFT 132L</b>	<b>Descriptive Geometry Lab</b> (2) Folding line relationships and notations, auxiliary views, angles between plane revolutions, and intersections. Four hours of laboratory per week. Corequisite: DRFT 132
<b>DRFT 133</b>	<b>Architectural Drafting</b> (1) Fundamental architectural drafting practices related to developing working drawings for residential and light commercial buildings. Space planning and design in buildings with code requirements. One hour of lecture per week. Corequisite: DRFT 133L; Prerequisite: DRFT 131. <b>Listed as ARCH 2201 in the Texas Common Course Numbering System.</b>
<b>DRFT 133L</b>	<b>Architectural Drafting Lab</b> (2) Fundamental architectural drafting practices related to developing working drawings for residential and light commercial buildings. Four hours of laboratory per week. Corequisite: DRFT 133
<b>DRFT 134</b>	<b>Mechanical Drawing</b> (2) Machine components (threads, pulleys, gears, etc.) modeling and drafting with orthographic and supplementary projections. General tolerances and GD&T, detail and assembly machine drawings. Two hours of lecture per week. Corequisite: DRFT 134L; Prerequisite: DRFT 131
<b>DRFT 134L</b>	<b>Mechanical Drawing Lab</b> (1) Orthographic and Supplementary projections, threads and fasteners, tolerances including GD&T, detail and assembly machine drawings. Two hours of laboratory per week. Corequisite: DRFT 134
<b>DRFT 136</b>	<b>Architectural Rendering</b> (1) Artistic requirements in architecture, including emphasis on perspectives, shapes, shadows, and color presentations. One hour of lecture per week. Corequisite: DRFT 136L; Prerequisite: DRFT 133
<b>DRFT 136L</b>	<b>Architectural Rendering Lab</b> (2) Artistic requirements in architecture, including emphasis on perspectives, shapes, shadows, and color presentations. Four hours of laboratory per week. Corequisite: DRFT 136
<b>DRFT 231</b>	<b>Pipe Drafting</b> (2) Piping terminology, description of piping equipment, fittings and instruments. Pipe materials, sizes, ratings and applications. Creation of process block diagrams, (PBDs); PFDs and P&IDs, Creation of piping isometric diagrams. Two hours of lecture per week. Corequisite: DRFT 231L; Prerequisite: DRFT 131
<b>DRFT 231</b>	<b>Pipe Drafting Lab</b> (1) Piping terminology, equipments, valves, pipe fittings and instruments; PFDs and P&ID, piping isometric drawings. Two hours of laboratory per week. Corequisite: DRFT 231
<b>DRFT 232</b>	<b>Architectural Design</b> (2) Introduction to structural materials selection and structural design of buildings. Modeling and drafting of concrete, steel and wooden structures; consideration of applicable standards. Two hours of lecture per week. Corequisite: DRFT 232L; Prerequisite: DRFT 133
<b>DRFT 232L</b>	<b>Architectural Design Lab</b> (1) Graphic modeling and drafting of concrete, steel and wooden structures; consideration of applicable standards. Two hours of laboratory per week. Corequisite: DRFT 232
<b>DRFT 233</b>	<b>Introduction to Computer-Aided Design</b> (1) Basic concepts, operations, and procedures necessary for producing engineering drawings on the computer. Solid modeling of mechanical and electrical/electronic components and assemblies. One hour of lecture per week. Corequisite: DRFT 233L; Prerequisite: DRFT 131 or Permission from Instructor. <b>Listed as ARCH 1315 in the Texas Common Course Numbering System.</b>

<b>DRFT 233L</b>	<b>Introduction to Computer-Aided Design Lab</b> (2) Basic concepts, operations, and procedures necessary for producing solid models and engineering drawings on the computer. Four hours of laboratory per week. Corequisite: DRFT 233
<b>DRFT 331</b>	<b>Pipe System Design</b> (2) Piping systems layout design and components integration, solid modeling of piping systems using industry standard software. Selection of valves, pumps, etc. Two hours of Lecture per week. Corequisite: DRFT 331L; Prerequisite: DRFT 231
<b>DRFT 331L</b>	<b>Pipe System Design Lab</b> (1) Piping system layout considerations, solid modeling of piping units and systems using industry standard software. Two hours of laboratory per week. Corequisite: DRFT 331
<b>DRFT 333</b>	<b>Machine Design</b> (2) Machine diagrams. Theory and practice of design of shafts, gears, cams, assembly modeling and drawings of machine. Two hours of Lecture per week. Corequisite: DRFT 333L; Prerequisite: DRFT134 or DRFT 233
<b>DRFT 333L</b>	<b>Machine Design Lab</b> (1) Design practice of shafts, gears, cams, etc.; assembly modeling and drawings of machine. Two hours of laboratory per week. Corequisite: DRFT 333
<b>DRFT 336</b>	<b>Computer Aided Design</b> (2) Use of CAD software in design sizing, analysis and parametric modeling. Introduction to Rapid prototyping and CAD with applications in mechanical, electronics, and piping systems. Two hours of lecture per week. Corequisite: DRFT 336L; Prerequisite: DRFT 134 or DRFT 233.
<b>DRFT 336L</b>	<b>Computer Aided Design Lab</b> (1) Advanced and parametric modeling of components and assemblies. Design sizing and analysis. CAD and rapid prototyping. Two hours of laboratory per week. Corequisite: DRFT 336; Prerequisite: DRFT 134 or DRFT 233
<b>DRFT 430</b>	<b>Advanced Computer-Aided Design</b> (2) Continuation of DRFT 233 with emphasis on advanced solid modeling such as parametric modeling and detailed assembly drawings. Two hours of lecture per week. Corequisite: DRFT 430L; Prerequisite: DRFT 233
<b>DRFT 430L</b>	<b>Advanced Computer-Aided Design Lab</b> (1) Continuation of DRFT 233 with emphasis on advanced solid modeling and detailed assembly. Two hours of laboratory per week. Corequisite: DRFT 430
<b>DRFT 431</b>	<b>Structural Design</b> (2) Design evaluation of building and structural integrity with respect to bending and compressive loads, etc.; solid modeling of buildings; consideration of applicable standards. Two hours of lecture per week. Corequisite: DRFT 431L Prerequisites: DRFT 232 or the consent of the instructor.
<b>DRFT 431L</b>	<b>Structural Design Lab</b> (1) Graphic modeling and drawings of fabrication, connectors and seats for beam, girders, columns, and trusses adhering to ASIC standards. Two hours of laboratory per week. Corequisite: DRFT 431.
<b>DRFT 432</b>	<b>Senior Design Project</b> (1) Integration of previous knowledge in the development of a design project. One hour of lecture per week. Prerequisites: Senior standing and consent of the Faculty Chair.

**DRFT 432L**                      **Senior Design Project Lab**                      (2)  
Integration of previous knowledge in the development of a design project. Four hours of laboratory per week. Corequisite: DRFT 432

### INDUSTRIAL TECHNOLOGY COURSES

**ITEC 111**                      **Orientation**                      (1)  
Orientation to the College of Science and Technology and the University with discussion of career opportunities available in industrial and engineering technology and related area. One hour of lecture per week.

**ITEC 131**                      **Introduction to Community Development**                      (3)  
Introduction to community development with emphasis on community development issues: new construction and rehabilitation, residential and commercial development, and business development. Three hours of lecture per week.

**ITEC 331**                      **Technical Writing**                      (3)  
Techniques of collecting and presenting technical and scientific data, including definitions, evaluations, basic letters, abstracts, memoranda, and written reports. Three hours of lecture per week. Prerequisites: ENG 131 and 132.

**ITEC 333**                      **Industrial Supervision and Management**                      (3)  
Study of management and supervision skills and concepts to enhance interpersonal relationships and motivational factors necessary for productivity in an organized industrial environment. Three hours of lecture per week. Prerequisites: Junior standing and consent of the Faculty Chair.

**ITEC 335**                      **Community Development Finance**                      (3)  
Explores the financial skills required for the successful operation of a community development corporation within the context of overall economic development finance. Three hours of lecture per week. Prerequisite: ITEC 131.

**ITEC 412**                      **Senior Seminar**                      (1)  
Organized to help senior students prepare to exit the University and to become employed. Emphasis on interviewing skills and resume preparation. One hour of lecture per week. Prerequisites: Senior standing and consent of the Faculty Chair.

**ITEC 439**                      **Industrial Safety**                      (3)  
Study of safety management and enforcement techniques in an industrial environment with emphasis on personal safety. Three hours of lecture per week. Prerequisites: Senior standing and consent of the Faculty Chair.

### AUTOMATED MANUFACTURING TECHNOLOGY COURSES

**MFG 131**                      **Manufacturing Technology I**                      (1)  
Manufacturing processes for industrial plastics, wood, and composite materials. Production methods, process equipment, tooling, jogs, and fixtures for plastics, wood, and wood composites used in manufacturing. One hour of lecture per week. Corequisite: MFG 131L

**MFG 131L**                      **Manufacturing Technology I Lab**                      (2)  
Manufacturing processes for industrial plastics, wood, and composite materials. Production methods, process equipment, tooling, jogs, and fixtures for plastics, wood, and wood composites used in manufacturing. Four hours of laboratory per week. Corequisite: MFG 131



<b>MFG 231</b>	<b>Manufacturing Processes</b> (2) Study of engineering materials and processes as they pertain to the manufacture of industrial products. Two hours of lecture per week. Corequisite: MFG 231L
<b>MFG 231L</b>	<b>Manufacturing Processes Lab</b> (1) Study of engineering materials and processes as they pertain to the manufacture of industrial products. Two hours of laboratory per week. Corequisite: MFG 231
<b>MFG 232</b>	<b>Manufacturing Technology II</b> (1) Manufacturing processes for ferrous and non-ferrous metals. Precision machine tool operations, including grinding, drilling, shaping, milling, and turning. One hour of lecture per week. Corequisite: MFG 232L; Prerequisite: MFG 131
<b>MFG 232L</b>	<b>Manufacturing Technology II Lab</b> (2) Manufacturing processes for ferrous and non-ferrous metals. Precision machine tool operations, including grinding, drilling, shaping, milling, and turning. Four hours of laboratory per week. Corequisite: MFG 232
<b>MFG 331</b>	<b>CNC Computer Programming</b> (1) Theory of computer-aided parts programming. Methods of programming CNC machines; up and operation with emphasis on two, three, and multiple axis machines, mills, lathes, robots. One hour of lecture per week. Corequisite: MFG 331L; Prerequisite: Consent of the instructor.
<b>MFG 331L</b>	<b>CNC Computer Programming Lab</b> (2) Theory of computer-aided parts programming. Methods of programming CNC machines; up and operation with emphasis on two, three, and multiple axis machines, mills, lathes, robots. Four hours of laboratory per week. Corequisite: MFG 331
<b>MFG 332</b>	<b>Robotics Technology</b> (1) Automated technology through the use of industrial robots; theory of electromechanical and pneumatic robots in manufacturing; robots for processing, assembly, and material handling. One hour of lecture per week. Corequisite: MFG 332L; Prerequisite: MFG 331.
<b>MFG 332L</b>	<b>Robotics Technology Lab</b> (2) Automated technology through the use of industrial robots; theory of electromechanical and pneumatic robots in manufacturing; robots for processing, assembly, and material handling. Four hours of laboratory per week. Corequisite: MFG 332.
<b>MFG 333</b>	<b>Strength of Materials</b> (2) Study of stresses and strains, mechanical properties of industrial materials, shear force and bending moment diagrams. Applications to design. Two hours of lecture per week. Corequisite: MFG 333L; Prerequisites: Math 134 and Physics 237 or permission from instructor
<b>MFG 333L</b>	<b>Strength of Materials Lab</b> (1) Study of stresses and strains, mechanical properties of industrial materials, shear force and bending moment diagrams. Applications to design. Two hours of laboratory per week. Corequisite: MFG 333
<b>MFG 432</b>	<b>Flexible Manufacturing Systems</b> (1) Introduction to computer integrated manufacturing and flexible manufacturing systems. Planning, organization, and management of automated computer controlled systems. One hour of lecture per week. Corequisite: MFG 432L; Prerequisite: MFG 331

- MFG 432L**                      **Flexible Manufacturing Systems Lab**                      **(2)**  
Introduction to computer integrated manufacturing and flexible manufacturing systems. Planning, organization, and management of automated computer controlled systems. Four hours of laboratory per week. Corequisite: MFG 432
- MFG 433**                      **Manufacturing Technology Problems**                      **(1)**  
Individual study of problems in an industrial setting with regard to personnel, material, equipment, and facilities as they relate to manufacturing. One hour of lecture per week. Corequisite: MFG 433L; Prerequisites: Senior standing and consent of the instructor.
- MFG 433L**                      **Manufacturing Technology Problems Lab**                      **(2)**  
Individual study of problems in an industrial setting with regard to personnel, material, equipment, and facilities as they relate to manufacturing. Four hours of laboratory per week. Corequisite: MFG 433

### COOPERATIVE EDUCATION COURSES

- COE 233**                      **Cooperative Education I**                      **(3)**  
Designed to give students experience in industry. They are introduced to training in concentration areas, are supervised closely, and begin developing interpersonal skills. Twenty to Forty hours of work experience per week. Prerequisites: Completion of at least 30 semester credit hours with minimum GPA of 2.50.
- COE 235**                      **Cooperative Education II**                      **(3)**  
Designed to make students assertive in the workplace, aware of gaining upward mobility, and continue to develop skills in their chosen career areas. Twenty to forty hours of work experience per week. Prerequisite: COE 233.
- COE 333**                      **Cooperative Education III**                      **(3)**  
Students continue career related work in their chosen areas, and evaluating their career choices through training requirements, working conditions, and employment outlook. Twenty to forty hours of work experience per week. Prerequisite: COE 235.
- COE 433**                      **Cooperative Education IV**                      **(3)**  
Student/employer exposure is well established and students are prepared for full-time employment. Twenty to forty hours of work experience per week. Prerequisite: COE 333 or senior level standing.

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY  
CONSTRUCTION TECHNOLOGY CONCENTRATION  
TOTAL CREDITS REQUIRED: 119**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (CONSTRUCT TECH)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>36 credits</b>	<b>39 credits</b>
ENG 131 (3)**	CONS 131 (3)	ACCT 231 (3)^
ENG 132 (3)	CONS 141 (3)	CIVT 231 (3)
SC 135 or 136 (3)	CONS 242 (3)	COE 433 (3)
MATH 133 (3)	CONS 333 (3)	ELET 131 (3)
GEOL 141 (4)	CONS 334 (3)	FS 102 (1)
PHYS 213, 237 (4)	CONS 341 (3)	DRFT 132 (3)
ENG 2xx (3)	CONS 344 (3)	DRFT 133 (3)
ART 131 (3)	CONS 433 (3)	DRFT 232 (3)
HIST 231 (3)	CONS 435 (3)	DRFT 431 (3)
HIST 232 (3)	CONS 436 (3)	ITEC 111 (1)
POLS 231 (3)	CONS 437 (3)	ITEC 331 (3)
POLS 232 (3)	CONS 475 (3)	ITEC 333 (3)
ECON 231 (3)		ITEC 412 (1)
CS 116 (3)		ITEC 439 (3)
		MFG 333 (3)

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

^Math 135 - prerequisite for ACCT 231

**Bachelor of Science Degree in Industrial Technology  
Construction Technology**

Accredited by the Association of Technology, Management, and Applied Engineering (ATMAE) Four Year Degree Plan -  
Total Credits: 119

First Year	First Semester		Second Semester	
	CONS 131 Intro to Const Develop	3	CONS 141 Methods and Materials II	3
	CS 116 Intro to Computer Science I Lec	3	DRFT 132* Descriptive Geometry	3
	ENG 131* Freshman English I	3	ELET 131	3
	GEOL 141 Geology Lec and Lab	4	ENG 132 Freshman English II	3
	FS 102 Freshman Seminar	1	MATH 134 Trigonometry	3
	MATH 133* College Algebra	3	ITEC 111 Orientation	1
		17 hrs		16 hrs

Second Year	Third Semester		Fourth Semester	
	ART 131 Drawing and Composition I	3	CONS 334 Concrete Technology	3
	CIVT 231 Surveying I	3	DRFT 133 Architectural Drafting	3
	CONS 242 Framing Principles	3	HIST 232 Social & Political History of the United States since 1877	3
	ENG 2xx Upper level English	3	POLS 232 American Political Systems II	3
	HIST 231 Social & Political History of the United States to 1877	3	PHYS 213/237 College Physics I Lec and Lab	4
	POLS 231 American Political Systems I	3		
	18 hrs		16 hrs	

Third Year	Fifth Semester		Sixth Semester	
	ECON 231 Principles of Economics	3	ACCT 231 Principles of Accounting	3
	CONS 333 Quantity Surveying	3	CONS 341 (MEPFI) Intro to Mechanical, Electrical, Plumbing, Fire and Information distribution Systems	3
	CONS 344 Construction Management I	3	CONS 433 Estimating	3
	ITEC 331 Technical Writing	3	CONS 435 Contracts and Specifications	3
	ITEC 333 Supervision and Management	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	MFG 333 Strength of Materials	3		
	18 hrs		15 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	COE 433 Cooperative Education	3	CONS 437 Construction Problems	3
	CONS 436 Construction Management II	3	ITEC 412 Senior Seminar	1
	CONS 475 Facilities Management	3	ITEC 439 Industrial Safety	3
	DRFT 431 Structural Drafting and Design	3	Comprehensive Exam	
	12 hrs		7 hrs	

\*Pending acceptable score on English and Mathematics Placement Examination and Drafting 131.

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY  
DESIGN TECHNOLOGY CONCENTRATION  
TOTAL CREDITS REQUIRED: 119**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (DESIGN TECH)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>33 credits</b>	<b>42 credits</b>
ENG 131 (3)**	DRFT 131 (3)	ACCT 231 (3)
ENG 132 (3)	DRFT 132 (3)	CONS 141 (3)
SC 135 or 136 (3)	DRFT 133 (3)	CONS 333 (3)
MATH 133 (3)	DRFT 134 (3)	DRFT 333 (3)
CHEM 111, 131 (4)	DRFT 231 (3)	FS 102 (1)
PHYS 213, 237 (4)	DRFT 232 (3)	ELET 131 (3)
ENG 2xx (3)	DRFT 233 (3)	ENGT 431 (3)
ART 131 (3)	DRFT 336 (3)	ITEC 111 (1)
HIST 231 (3)	DRFT 430 (3)	ITEC 331 (3)
HIST 232 (3)	DRFT 431 (3)	ITEC 333 (3)
POLS 231 (3)	DRFT 432 (3)	ITEC 412 (1)
POLS 232 (3)		ITEC 439 (3)
PSY 131 (3)		MATH 134 (3)
CS 116 (3)		MATH 135 (3) ^
		MFG 231 (3)
		MFG 333 (3)

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

**^Prerequisite for ACCT 231**

\*\* (N) represents the number of course credits.

**Bachelor of Science Degree in Industrial Technology  
Design Technology**

**Accredited by the Association of Technology, Management, and Applied Engineering (ATMAE) Four Year Degree Plan -  
Total Credits: 119**

First Year	First Semester		Second Semester	
	CS 116 Introduction to Computer Science I	3	CONS 141 Methods and Materials II	3
	DRFT 131 Fundamentals of Drafting	3	DRFT 132 Descriptive Geometry	3
	ENG 131* Freshman English I	3	ITEC 111 Orientation	1
	FS 102 Freshman Seminar	1	ELET 131 DC Circuits Lec	3
	MATH 133* College Algebra	3	ENG 132 Freshman English II	3
	PSY 131 Introduction to Psychology	3	MATH 134 Trigonometry	3
	16 hrs		16 hrs	

Second Year	Third Semester		Fourth Semester	
	CHEM 111 General Chemistry I Lab	1	DRFT 134 Mechanical Drafting	3
	CHEM 131 General Chemistry I Lec	3	DRFT 232 Architectural Design	3
	DRFT 133 Architectural Drafting	3	MATH 135 Math for Business & Econ Analy	3
	DRFT 231 Pipe Drafting	3	PHYS 213/237 College Physics I Lab and Lec	4
	ENG 2xx Upper level English	3	SC 135 Business & Professional Communication	3
	MFG 231 Manufacturing Processes	3		
	16 hrs		16 hrs	

Third Year	Fifth Semester		Sixth Semester	
	ACCT 231 Principles of Accounting	3	ART 131 Drawing and Composition I	3
	CONS 333 Quantity Surveying	3	DRFT 336 Computer Aided-Design	3
	DRFT 233 Basic Computer Drafting	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	ITEC 331 Technical Writing	3
	MFG 333 Strength of Material	3	POLS 232 American Political Systems II	3
	POLS 231 American Political Systems I	3		
	18 hrs		15 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	DRFT 333 Machine Design	3	DRFT 430 Advance Computer-Aided Design	3
	DRFT 431 Structure Drafting	3	DRFT 432 Senior Design Project	3
	ENGT 431 Quality Control & Assurance	3	ITEC 412 Senior Seminar	1
	ITEC 333 Supervision and Management	3	ITEC 439 Industrial Safety	3
			Comprehensive Exam	
		12 hrs		10 hrs

\*Pending acceptable score on English and Mathematics Placement Examinations.

## TWO YEAR COURSE ROTATION SCHEDULE

COURSE NUMBER	COURSE NAME	CREDIT HOURS	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	CO-REQUISITES
CONS 131	Introduction to Construction Development	3	X			X				
CONS 141	Construction Materials and Methods	2		X			X		CONS 131	CONS 141L
CONS 141L	Construction Materials and Methods Lab	1		X			X			CONS 141
CONS 242	Framing Principles	1	X			X			CONS 141	CONS 242L
CONS 242L	Framing Principles Lab	2	X			X				CONS 242
CONS 243	Energy Efficiency and Construction	1					X		CONS 242	CONS 242L
CONS 243L	Energy Efficiency and Construction Lab	2					X			CONS 242
CONS 244	Construction Safety	3		X					CONS 141	
CONS 331	Models and Presentations	1				X			CONS 242	CONS 331L
CONS 331L	Models and Presentations Lab	2				X				CONS 331
CONS 333	Quantity Surveying	2	X						CONS 242 & DFTG 232	CONS 333L
CONS 333L	Quantity Surveying Lab	1	X							CONS 333
CONS 334	Concrete Technology	1		X					CONS 141	CONS 334L
CONS 334L	Concrete Technology Lab	2		X						CONS 334
CONS 341	MEPFI	2					X		CONS 242	CONS 341L
CONS 341L	MEPFI Lab	1					X			CONS 341
CONS 344	Construction Management I	1				X			CONS 242	CONS 344L
CONS 344L	Construction Management I Lab	2				X				CONS 344
CONS 433	Estimating	2		X					CONS 333	CONS 433L
CONS 433L	Estimating Lab	1		X						CONS 433
CONS 435	Constricts and Specifications	3	X						CONS 333	CONS 435L
CONS 436	Construction Management II	2					X		CONS 344	CONS 436L
CONS 436L	Construction Management II Lab	1					X		CONS 344	CONS 436
CONS 437	Construction Problems	3	x	x		x	x		Senior Level	
CONS 451	Mechanical Systems	1	X						CONS 242	CONS 451L
CONS 451L	Mechanical Systems Lab	2	X							CONS 451
CONS 475	Facilities Management	2				X			Senior Level	CONS 475L
CONS 475L	Facilities Management Lab	1				X			Senior Level	CONS 475

COURSE NUMBER	COURSE NAME	CREDIT HOURS	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	CO-REQUISITES
DRFT 131	Fundamentals of Drafting	1	x	x		x	x			DRFT 131L
DRFT 131L	Fundamentals of Drafting Lab	2	x	x		x	x			DRFT 131
DRFT 132	Descriptive Geometry	1		x			x		DRFT 131	DRFT 132L
DRFT 132L	Descriptive Geometry Lab	2		x			x		-	DRFT 132
DRFT 133	Architectural Drafting	1	x			x			DRFT 131	DRFT 133L
DRFT 133L	Architectural Drafting Lab	2	x			x				DRFT 131
DRFT 134	Mechanical Drawing	2		x			x		DRFT 131	DRFT 134L
DRFT 134L	Mechanical Drawing Lab	1		x			x			DRFT 134
DRFT 136	Architectural Rendering	1	x			x			DRFT 133	DRFT 136L
DRFT 136L	Architectural Rendering Lab	2	x			x			DRFT 133	DRFT 136
DRFT 231	Pipe Drafting	2	x			x			DRFT 131	DRFT 231L
DRFT 231L	Pipe Drafting Lab	1	x			x				DRFT 231
DRFT 232	Architectural Design	2		x			x		DRFT 133	DRFT 232L
DRFT 232L	Architectural Design Lab	1		x			x			DRFT 232
DRFT 233	Introduction to Computer-Aided Design	1	x	x	x	x	x	x	DRFT 131	DRFT 233L
DRFT 233L	Introduction Computer-Aided Design Lab	2	x	x	x	x	x	x		DRFT 233
DRFT 331	Pipe System Design	2	x			x			DRFT 231	DRFT 331L
DRFT 331L	Pipe System Design Lab	1	x			x				DRFT 331
DRFT 333	Machine Design	2		x			x		DRFT 134 & DRFT 233	DRFT 333L
DRFT 333L	Machine Design Lab	1		x			x			DRFT 333
DRFT 336	Computer-Aided Design	2	x	x		x	x		DRFT 232	DRFT 336L
DRFT 336L	Computer-Aided Design Lab	1	x	x		x	x			DRFT 336
DRFT 430	Advanced Computer-Aided Design	1		x			x		DRFT 233	DRFT 430L
DRFT 430L	Advanced Computer-Aided Design Lab	2		x			x			DRFT 430
DRFT 431	Structural Drafting and Design	2	x			x			DRFT 133	DRFT 431L
DRFT 431L	Structural Drafting and Design Lab	1	x			x				DRFT 431
DRFT 432	Senior Design Project	1			x			x	SR. LEV & consent of Chair	DRFT 432L
DRFT 432L	Senior Design Project Lab	2			x			x		DRFT 432



COURSE NUMBER	COURSE NAME	CREDIT HOURS	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	CO-REQUISITES
ITEC 111	Orientation	1	x	x		x	x			
ITEC 131	Introduction to Community Development	3								
ITEC 331	Technical Writing	3	X	X	X	X	X	X	ENG 131 & Eng 132	
ITEC 333	Industrial Supervision and Management	3							JR LEV & consent of Chair	
ITEC 335	Community Development Finance	3		X					ITEC 131	
ITEC 412	Senior Design Seminar	3	x	X		x	X		SR LEV & consent of Chair	
ITEC 439	Industrial Safety	3			X			X	SR LEV & consent of Chair	
ITEC 495	Special Topics	3	x	x	X	x	x	X	SENIOR LEVEL	

COURSE NUMBER	COURSE NAME	CREDIT HOURS	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	CO-REQUISITES
MFG 131	Manufacturing Technology I	1								MFG 131L
MFG 131L	Manufacturing Technology I Lab	2								MFG 131
MFG 231	Manufacturing Processes	2	x			x			MFG 131	MFG 231L
MFG 231L	Manufacturing Processes Lab	1	x			x				MFG 231
MFG 232	Manufacturing Technology II	1							MFG 131	MFG 232L
MFG 232L	Manufacturing Technology II Lab	2								MFG 232
MFG 331	CNC Computer Programming	1							Consent of Instr	MFG 331L
MFG 331L	CNC Computer Programming Lab	2								MFG 331
MFG 332	Robotics Technology	1							Consent of Inst	MFG 332L
MFG 332L	Robotics Technology Lab	2								MFG 332
MFG 333	Strength of Materials	2	x			x			MATH 134 & PHYS 235	MFG 333L
MFG 333L	Strength of Materials Lab	1	x			x				MFG 333
MFG 432	Flexible Manufacturing Systems	1							MFG 331	MFG 432L
MFG 432L	Flexible Manufacturing Systems	2								MFG 432
MFG 433	Manufacturing Technology Problems	1	x			x			SR LEV & consent of Instr	MFG 433L
MFG 433L	Manufacturing Technology Problems Lab	2		x			x			MFG 433

## DEPARTMENT OF MATHEMATICS

As one of the largest instructional units in the University, the Department of Mathematics offers courses in Mathematics (MATH), the Bachelor of Science (B.S.) Degree in Mathematics, the Master of Science (M.S.) Degree in Mathematics, and a minor in Mathematics for students majoring in other academic disciplines at the University. The Department provides major support to the overall undergraduate curriculum at Texas Southern University since every undergraduate degree or program of study requires the completion of, at least, three semester credit hours in Mathematics for graduation. Instructional facilities and the Department Office (Room 111K) are located on the first floor of the Science Building. Faculty members are housed on the first floor of the Science Building.

Students who are interested in the Master of Science Degree in Mathematics should consult the Graduate School Bulletin of Texas Southern University for detailed information.

The mission of the Department of Mathematics is to make all students who matriculate through Texas Southern University aware of the role that Mathematics plays in the modern world and to allow them to develop sufficient skills in utilizing the processes and techniques of Mathematics to pursue their chosen fields of study, as well as to deal with mathematical processes on a daily basis. In the realization of this mission, students are prepared for a variety of careers, for negotiating the rigors of various curricula of study that are heavily dependent upon the understanding of mathematical processes, and for graduate study and research.

The goals of the Mathematics program are the following:

- The graduate will have developed learning skills and acquired a firm foundation of knowledge of fundamental mathematical concepts, methods, reasoning and language sufficient to support further academic work or a career in area that requires mathematical understanding.
- The graduate will exhibit understanding of advanced mathematical concepts and analytical skills, and also utilize appropriate technology to develop models for solving problems and analyzing new situations, both in mathematics and in areas that use mathematics.

The Mathematics program Student Learning Outcomes are to:

- Exhibit understanding of advanced mathematical concepts and analytical skills.
- Master the essentials of calculus sufficiently to apply those skills in more advanced mathematics classes.
- Use mathematical modeling to solve problems from fields such as natural sciences, social sciences, business and engineering.
- Apply knowledge relating to set theory, functions, and equivalence relation to advanced mathematics courses.
- Write mathematical proofs when required in upper level and advanced mathematics courses.
- Understand the concepts of random variable, distribution functions, and theoretical versus, simulated probability and apply them to real world situations.

**Students wishing to pursue the B.S. Degree in Mathematics are required to declare a minor in a second academic discipline. All courses completed that are designated for the minor selected must be completed with grades of “C” or better, where grades of “C-” are unacceptable.** In selecting a minor, majors should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum of study could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 121 semester credit hours satisfactorily completed.

Requirements for both the B.S. in Mathematics and the minor in Mathematics are summarized below. As is the case for courses designated in the minor in other disciplines selected by students pursuing the B.S. in Mathematics, **grades of “C” or better, where grades of “C-” are unacceptable, are required in all Mathematics courses designated for the B.S. in Mathematics or major. This is also the case for students in other disciplines seeking the minor in Mathematics.** Students wishing to pursue either a major (B.S.) or minor in Mathematics must first be admitted to the University, must satisfy ASSET requirements, must eradicate deficiencies assessed at the time of admission through the University Testing Center, and must petition the Department for admission as ASSET requirements or equivalent are completed. Once admitted to the Department, students are assigned an official advisor who must be consulted on a semester or term basis for schedule approval and status verification for progress toward graduation. **An exit examination is required of all graduating seniors pursuing the B.S. in Mathematics.** In summary, students must first gain admission to the University; must meet their ASSET or equivalent responsibility; and must petition the Department for admission as ASSET requirements are met.

Individuals interested in seeking certification for teaching Mathematics in the public schools of Texas should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions. Mathematics courses used in the certification process must be approved through the Department.

For the minor in Mathematics, 24 semester credit hours are required through enrollment in the following courses: MATH 241 (4 credits); MATH 242 (4 credits); MATH 243 (4 credits); MATH 250 (3 credits); MATH 331 (3 credits); either MATH 251 (3 credits) or MATH 439 (3 credits); and one additional 300-Level or 400-Level Math course. The minimum grade requirement for each of these courses is referenced above.

**Upon admission, each student is assigned an official advisor, and an exit examination is required of graduating seniors. For further information, students should contact the Department at (713)-313-7002.**

#### LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Bell, Della D.</b>  <b>Professor</b>            B.S., Lamar University            M.Ed., Ph.D., University of Texas at Austin</p>	<p><b>Kazakos, Demetrios</b>  <b>Professor</b>            Diploma, Technical Univ. of Greece            M.A. Princeton University            Ph.D Electrical Engineering</p>
<p><b>Chilakamarri, Kiran B.</b>  <b>Associate Professor</b>            Ph.D., Ohio State University</p>	<p><b>Nehs, Robert M.</b>  <b>Associate Professor</b>            B.S., Marquette University            M.S., Rice University            Ph.D., University of Houston</p>
<p><b>Ekwo, Maurice</b>  <b>Visiting Professor</b>            B.S., Texas Southern University            M.S. Stephen F. Austin State University            Ph.D., Oklahoma State University</p>	<p><b>Obot, Victor</b>  <b>Professor</b>            B.S., Eastern Mennonite College            M.S., Wright State University            Ph.D., University of Tulsa</p>
<p><b>Evans, Joan</b>  <b>Instructor</b>            B.S., Texas Southern University            M.S., Texas Southern University            Ed.D., Texas Southern University</p>	<p><b>Saydam, Azime Serpil</b>  <b>Associate Professor</b>            B.S., Ege University            M.S., University of Nebraska-Lincoln            Ph.D., University of Nebraska-Lincoln</p>
<p><b>Ginn, James E.</b>  <b>Professor</b>            A.B., Clark College            M.A., Atlanta University            Ph.D., Texas A &amp; M University</p>	<p><b>Taylor, Willie E.</b>  <b>Professor</b>            B.S., M.S., Prairie View A&amp;M University            Ph.D., University of Houston</p>
<p><b>Glenn, Nancy</b>  <b>Associate Professor</b>            B.S. in Math, University of South Carolina            B.S. in Statistics, University of South Carolina            Ph.D., Rice University</p>	<p><b>Wu, Tong</b>  <b>Instructor</b>            B.S., Harbin Science &amp; Technology University            M.S., Harbin Institute of Technology            M.S., Texas Southern University</p>
<p><b>Holmes, Roderick</b>  <b>Assistant Professor</b>            B.S., M.S., Texas Southern University            Ph.D., University of Houston</p>	



<b>MATH 242</b>	<b>Calculus and Analytic Geometry II</b> Definite and indefinite integrals, techniques of integration, transcendental functions, and applications of the definite integral. Four hours of lecture per week. Prerequisite: MATH 241. <b>Listed as MATH 2414 in the Texas Common Course Numbering System.</b>	<b>(4)</b>
<b>MATH 243</b>	<b>Calculus and Analytic Geometry III</b> Sequences, infinite series, conic sections, polar coordinates, two-dimensional and three-dimensional vectors, parametric equations, partial differentiation, and multiple integrals. Four hours of lecture per week. Prerequisite: MATH 242.	<b>(4)</b>
<b>MATH 250</b>	<b>Linear Algebra</b> A first course in linear algebra designed to provide a minimal foundation in matrix theory, vector spaces, determinants, and linear transformations. Three hours of lecture per week. Prerequisite: MATH 241.	<b>(3)</b>
<b>MATH 251</b>	<b>Differential Equations</b> Important methods of solution of ordinary differential equations of the first order and of higher orders with applications to geometry and physics. Three hours of lecture per week. Prerequisites: MATH 242 and MATH 243. (MATH 243 may be taken concurrently.)	<b>(3)</b>
<b>MATH 331</b>	<b>Logic, Sets, and Functions</b> Transitional mathematics course toward the study of advanced mathematics. Various topics in the foundations of mathematics discussed. Three hours of lecture per week. Prerequisite: MATH 241.	<b>(3)</b>
<b>MATH 335</b>	<b>Foundations of Geometry</b> Logic and postulates relating to geometries. Modern plane geometry as developed from Euclidean geometry, measurement, and metric system. Properties of geometric figures, congruence, theory of parallel lines, and noneuclidian geometry. Three hours of lecture per week. Prerequisite: MATH 241.	<b>(3)</b>
<b>MATH 336</b>	<b>Foundations of Algebra</b> Introduction to mathematical systems such as groups, rings, and fields. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 331.	<b>(3)</b>
<b>MATH 345</b>	<b>Applied Mathematics and Statistics for Technology</b> Selected topics in applied differential equations (including transform techniques), linear programming, numerical methods, and statistics with emphasis on applications to the solution of problems in technology. Three hours of lecture per week. Prerequisite: MATH 242.	<b>(3)</b>
<b>MATH 375</b>	<b>Linear Mathematics</b> Various topics involving linear space methods discussed, including linear difference equations, LaPlace transforms, and linear differential operators. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 250.	<b>(3)</b>
<b>MATH 376</b>	<b>Applied Mathematical Analysis</b> Vector analysis; algebra and geometry of vectors; vector differential and integral calculus; theorems of Green, Gauss, and Stokes. Three hours of lecture per week. Prerequisite: MATH 243.	<b>(3)</b>
<b>MATH 430</b>	<b>The History of Mathematics</b> General view of the development of the elementary branches of mathematics; growth of higher mathematics in the eighteenth and nineteenth centuries. Three hours of lecture per week. Prerequisite: Twelve credits of college mathematics.	<b>(3)</b>
<b>MATH 431</b>	<b>Uses of Computers in Mathematics</b> Role and nature of computers as tools in problem solving; impact of computers on mathematics; applications of computers to modeling and simulating mathematical situations. Three hours of lecture per week. Prerequisites: MATH 241 and MATH 242 or consent of the instructor.	<b>(3)</b>

<b>MATH 433</b>	<b>Concepts and Structure of Mathematics</b>	<b>(3)</b>
	Structure of the number system, elements of set theory, properties of real numbers, and basic concepts of mathematical systems. Presented for nonmajors. Three hours of lecture per week. Prerequisite: Consent of the instructor.	
<b>MATH 437</b>	<b>A Survey of Mathematical Ideas</b>	<b>(3)</b>
	Designed to review major topics taught in the secondary school and supplement the technical material of other mathematics courses required for teacher preparation and certification. The use of Technology is included along with national and state mathematics standards and (EXCET) - TEXES competencies. Three hours of lecture per week. Prerequisite: Math 243 or consent of the instructor. Formerly known as Contemporary Mathematics and its Applications.	
<b>MATH 439</b>	<b>Advanced Calculus I</b>	<b>(3)</b>
	The real number system; elementary point set theory; sequences and series; continuity; differentiation and integration. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 331.	
<b>MATH 440</b>	<b>Advanced Calculus II</b>	<b>(3)</b>
	Functions of several variables, including partial derivatives, multiple integrals, and mapping from Euclidean m-space to Euclidean n-space. Three hours of lecture per week. Prerequisite: MATH 439 or consent of the instructor.	
<b>MATH 460</b>	<b>Introduction to Complex Analysis</b>	<b>(3)</b>
	Complex numbers and complex geometry; limits, continuity, derivatives, and the Cauchy-Riemann equations; analytic and harmonic functions; Cauchy's Integral Theorem and its consequences. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 331.	
<b>MATH 462</b>	<b>Introduction to Topology</b>	<b>(3)</b>
	Topics include metric spaces, connectedness, and compactness. The topology of Euclidean spaces discussed in detail as well as its generalization to nonmetric topological spaces. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 331.	
<b>MATH 471</b>	<b>Topics in Mathematics I</b>	<b>(3)</b>
	New developments and trends in mathematics discussed. Three hours of lecture per week. Prerequisite: Consent of the instructor.	
<b>MATH 472</b>	<b>Topics in Mathematics II</b>	<b>(3)</b>
	Continuation of MATH 471. Three hours of lecture per week. Prerequisite: Consent of the instructor.	
<b>MATH 473</b>	<b>Probability and Statistics I</b>	<b>(3)</b>
	Introduction to probability and statistical inference making use of the calculus developed in MATH 241 and MATH 242. Three hours of lecture per week. Prerequisite: MATH 242.	
<b>MATH 474</b>	<b>Probability and Statistics II</b>	<b>(3)</b>
	Moments of distributions and Stieltjes integral; joint density functions; conditional means; moment generating functions; sequences of random variables; distribution theory; and hypothesis testing. Three hours of lecture per week. Prerequisite: MATH 473.	
<b>MATH 475</b>	<b>Introduction to Modern Algebra</b>	<b>(3)</b>
	Group theory; Lagrange's Theorem; Isomorphism Theorem; Cayley's Theorem; rings and fields. Three hours of lecture per week. Prerequisite: MATH 336 or consent of the instructor.	
<b>MATH 490</b>	<b>Independent Study: Undergraduate</b>	<b>(3)</b>
	Intensive study of a topic in mathematics under the direction of a faculty member. Prerequisites: Senior standing and consent of the instructor.	
<b>MATH 499</b>	<b>Seminar</b>	<b>(3)</b>
	Various topics in mathematics discussed. Three hours of lecture per week. Prerequisite: Consent of the instructor.	

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN MATHEMATICS  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (MATHEMATICS)</b>	<b>OTHER REQUIREMENTS</b>	<b>MINOR REQUIREMENTS</b>
<b>45 credits</b>	<b>32 credits</b>	<b>23 credits</b>	<b>21 credits</b>
ENG 131 (3)**	MATH 242 (4)	CS 117 (3)	Contact department of choice after being admitted as a Mathematics Major by the Department.
ENG 132 (3)	MATH 243 (4)	Foreign	
SC 135 or 136 (3)	MATH 250 (3)	Language or	
MATH 241 (4)	MATH 331 (3)	CS Electives (6)	
BIOL 143 or	MATH 251 (3)	HED 233 (2)	
CHEM 111, 131 (4)	MATH 439 (3)	PHYS 116 (1)	
GEOL 141 or	MATH 473 (3)	PHYS 152 (3)	
CHEM 112, 132 (4)	Upper Level	PHYS 217 (1)	
ENG 2xx (3)	MATH Electives (9)	PHYS 251 (3)	
Visual &		PHYS 252 (3)	
Performing Arts (3)***		FS 102 (1)	
HIST 231 (3)			
HIST 232 (3)			
POLS 231 (3)			
POLS 232 (3)			
Social &			
Behavioral			
Sciences (3)****			
CS 116 (3)			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Select one of the following: THC 130, THC 231, MUSI 131, MUSI 239, ART 131, or ART 132.

\*\*\*\* Select one of the following: PSY 131; SOC 157; SOC 158; SOC 221; SOC 238; ECON 231; or ECON 232.

**Note:** Students interested in receiving a Bachelor of Science Degree in Math and in teaching mathematics grades 8-12 may substitute courses required by the College of Education for educator preparation and certification in place of "MINOR REQUIREMENTS." These courses include: EDCI 310, EDCI 328, EDCI 339, EDCI 350, EDCI 464, Reading 400 and Reading 402. Students interested in teaching may also take PHYS 213, 237, and PHYS 214, 238 in lieu of PHYS 116, 152, PHYS 217, 251, and PHYS, 252.

**Bachelor of Science Degree in Mathematics  
Four Year Degree Plan - Total Credits: 121**

<b>First Year</b>	<b>First Semester</b>		<b>Second Semester</b>	
	ENG* 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 241** Calculus & Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry II	4
	BIOL 143 Survey of Life Sciences <b>or</b> CHEM 111 General Chemistry I Lab & CHEM 131 General Chemistry I	4	GEOLOGY 141 Intro. To the Earth <b>or</b> CHEM 112 General Chemistry II Lab & CHEM 132 General Chemistry II	4
	SC 135 or 136 Business and Professional Communication or Public Address	3	Visual and Performing Arts***	3
	FS 102 Freshman Seminar	1		
		15 SCH		14 SCH
<b>Second Year</b>	<b>Third Semester</b>		<b>Fourth Semester</b>	
	ENG 2xx Upper level English	3	MATH 250 Linear Algebra	3
	MATH 243 Calculus & Analytic Geometry III	4	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	POL SCI 232 American Political Systems II	3
	POL SCI 231 American Political Systems I	3	CS 117 Computer Science II	3
	CS 116 Computer Science I	3	Social and Behavioral Science****	3
		16 SCH		15 SCH
<b>Third Year</b>	<b>Fifth Semester</b>		<b>Sixth Semester</b>	
	MATH 331 Logic, Sets, & Functions	3	MATH 251 Differential Equations	3
	Foreign Language <b>or</b> CS Elective	3	MATH 473 Probability and Statistics I	3
	HED 233 History and Principles of Health	2	Foreign Language <b>or</b> CS Elective	3
	PHYS 116 University Physics I Lab	1	PHYS 217 University Physics II Lab	1
	PHYS 152 University Physics I	3	PHYS 251 University Physics II	3
	Course in Minor Field	3	Course in Minor Field	3
	15 SCH		16 SCH	
<b>Fourth Year</b>	<b>Seventh Semester</b>		<b>Eighth Semester</b>	
	MATH 439 Advanced Calculus I	3	MATH (6hrs. selected from upper division courses)	6
	MATH Elective (3hrs. upper division course)	3	Course in Minor Field	3
	PHYS 252 University Physics III	3	Course in Minor Field	3
	Course in Minor Field	3	Course in Minor Field	3
	Course in Minor Field	3		
	15 SCH		15 SCH	

\* Pending acceptable scores on English and Math Placement Exams.

\*\* Pending sufficient preparation in pre-calculus level math courses.

\*\*\* Select one of the following THC 130, THC 231, Music 131, Music 239, Art 131 or Art 132.

\*\*\*\* Select one of the following PSY 131; SOC 157, 158, 221, and 238; ECON 231, OR ECON 232

**Note: Persons interested in receiving a Bachelor of Science Degree in Math and Certification in teaching Math, Grades 8-12 see below.**

Students interested in teaching mathematics grades 8-12 may substitute courses required by the College of Education for teacher preparation and certification in place of "Courses in Minor Field". These courses include: EDCI 310, EDCI 328, EDCI 339, EDCI 350, EDCI 464, RDG 400 and RDG 402.

Students interested in teaching may also take Physics 213, 237 and Physics 214, 238 in lieu of Physics 116, 152, Physics 217, 251 and Physics 252.



## TWO YEAR COURSE ROTATION SCHEDULE

X indicates when a course shall be offered

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM	FALL	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	CO-REQUISITE
MATH 133	College Algebra	3	x	x	x	x	x	x	MATH 131 or a passing score on the mathematics portion of the ASSET Examination.	
MATH 134	Plane Trigonometry	3	x	x	x	x	x	x	MATH 133	
MATH 135	Math for Bus. Econ	3	x	x	x	x	x	x	MATH 133	
MATH 136	Pre-Calculus Math	3	x	x	x	x	x	x	MATH 133 or consent of the Department	
MATH 231	Elementary Statistics	3	x	x	x	x	x	x	MATH 133	
MATH 235	Structure & Appl. Of the Number Systems	3	x	x	x	x	x	x	MATH 133	
MATH 236	Foundations of Geometry, Stats. And Probability	3	x	x	x	x	x	x	MATH 235	
MATH 241	Calculus I	4	x	x	x	x	x	x	MATH 133 and MATH 134 or MATH 136	
MATH 242	Calculus II	4	x	x	x	x	x	x	MATH 241	
MATH 243	Calculus III	4	x	x		x	x		MATH 242	
MATH 250	Linear Algebra	3	x	x		x	x		MATH 241	
MATH 251	Differential Equations	3		x			x		MATH 242 and MATH 243	MATH 243
MATH 331	Logic, Sets & Functions	3	x			x			MATH 241	
MATH 335	Foundations of Geometry	3					x		MATH 241	
MATH 336	Foundations Of Algebra	3				x			MATH 243 and MATH 331	
MATH 345	Applied Mathematics and Statistics for Technology	3		x			x		MATH 242	
MATH 439	Advanced Calculus	3		x			x		MATH 243 and MATH 331	
MATH 460	Introduction to the Complex Analysis	3		x					MATH 243 and MATH 331	
MATH 462	Introduction to Topology	3	x						MATH 243 and MATH 331	
MATH 471	Topics In Math. I	3	x			x			Consent of the instructor	
MATH 473	Prob. & Stat. I	3	x			x			MATH 242	
MATH 474	Prob. & Stat. II	3		x					MATH 473	
MATH 475	Introduction to Modern Algebra	3					x		MATH 336 or consent of the instructor	
MATH 490	Independent Study: Undergraduate	3	x						Senior standing and consent of the instructor.	
MATH 499	Seminar	3				x			Consent of the instructor.	
MATH 535	Algebra For Teachers	3			x			x		
MATH 536	Geometry For Teachers	3			x			x		

## DEPARTMENT OF PHYSICS

The Physics Department offers services courses for non-science and science majors and those associated with the completion of a minor in Physics. Within the minor offerings two independent tracks are available: Math-track and Health -track. Additionally, it will offer courses to post-baccalaureate students

The entire physics faculty is available for mentoring science majors (particularly those in mathematics, engineering, and computer science) in undergraduate research projects. The areas represented include atomic physics, theoretical physics, computational physics, quantum chemistry, mathematical physics, nuclear physics, and health physics. The department oversees the High Performance Computer Center, and makes these resources available to faculty and students for appropriate research projects.

It is highly recommended that students exhibit mastery of algebra and trigonometry for the College Physics sequence; and calculus (both differentiation and integration) for the University Physics sequence.

Until the new Science and Technology building is completed, the department is housed in various offices within Trailers #9 - #12, adjacent to the Bell Building (i.e. the Registrar's building), and in the Science Building (SB). The Labs are housed within the Nabrit Science Building (NSB). The Chair is located in Trailer # 9. Students are encouraged to peruse various physics websites that can offer them a more comprehensive view of the intellectual, professional, and employment opportunities that physics offers. Important sites include the department's web site, <http://physics.tsu.edu>; that of the American Physics Society (APS), <http://www.aps.org>; that of the National Society of Black Physicists (NSBP), <http://www.nsbp.org>; and that of the National Society of Hispanic Physicists (NSHP), <http://www.nshp.org>. In light of the importance of the Health Physics program, potential STEM majors should also consult the web site for the Health Physics Society at <http://www.hps.org>. Students in any of the science, technology, engineering, and mathematics (STEM) fields should also reference the Society of Physics Students at <http://www.spsnationa.org>.

The study of physics will produce professionals with exceptional problem solving capabilities impacting all professional areas particularly those in the STEM fields. The successful student who minors in physics will possess advanced quantitative skills in mathematics and computation, and an understanding of the fundamental laws of nature from the classical through the quantum realm. It is the program's objective to produce competitive graduates who can either directly enter the workforce or continue onto graduate programs in any of the STEM areas.

Students must earn grades of "C" or better in all courses specific to the minor.

Students transferring to the University are cautioned that Physics credits transferred from other colleges and universities must be evaluated by the Department before being used to fulfill requirements for the minor in Physics. These credits may or may not be acceptable. If these credits are judged to be unacceptable, students may be able to use them to fulfill core curriculum requirements, elective requirements, or both.

Any questions may be directed to the Department Office at (713)-313-7980, of the Chair of the department via e-mail: [handycr@tsu.edu](mailto:handycr@tsu.edu).

### Physics as a Minor

#### Math-track

For students interested in a comprehensive immersion into computational and applied mathematics, developed within the context of physics, the following is the suggested minor.

A Minor in Physics is offered requiring at least 21 credit hours in basic courses beyond the University Physics sequence (i.e. PHYS 116, 152, 217, 218, 251, and 252), or the Physics for Engineers sequence, when offered (i.e. PHYS 215, 216,245,246). Beginning students are strongly advised to take PHYS 151, which is a 1 credit hour, 3 hour lab course, providing a basic overview of all the major physics topics, with particular attention to empirical observation and their mathematical or computational representation. This minor is ideally suited for mathematics majors. The courses listed below will expand their applied mathematics and computational sciences capabilities. Permission by the Chair is required. The additional 21 credit hours may be fulfilled by taking:

1. PHYS 151, "Computational Modeling of Physical Systems". (optional)
2. PHYS 162, "Fundamentals of Scientific Programming".
3. PHYS 247, "Math Methods I"

4. PHYS 271, "Mechanics"
5. PHYS 272, "Computational Physics"
6. PHYS 333, "Electricity and Magnetism"
7. PHYS 336, "Thermodynamics and Statistics"
8. PHYS 353, "Quantum Mechanics I"

### Health-track

The following minor track in physics is intended for students interested in Health Physics. Interested students must have strong records in basic mathematics and physics (i.e. calculus: Math 241, Math 242, and Math 251; and University Physics I – III: PHYS 116, 152, 217, 218, 251, 252). Biology students with a B.S. degree, and certification in Health Physics, can look forward to high salary careers (i.e. six figures, according to employment statistics from the Health Physics Society: [http://hps.org/documents/2010\\_hps\\_salary\\_survey.pdf](http://hps.org/documents/2010_hps_salary_survey.pdf)). The following 21 credit hour sequence is required for the minor.

1. PHYS-361 Introduction to Atomic and Radiation Physics
2. PHYS-370 Nuclear Physics Lab I
3. PHYS-374 Radiation Detection I
4. PHYS-471 Intermediate Nuclear Physics Lab
5. PHYS-475 Radiation Detection II
6. PHYS-477 Radiation Protection and Dosimetry I
7. PHYS-478 Radiation Protection and Dosimetry II

### LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Bessis, Daniel</b>  <b>Professor</b>            B.S., Ecole Nationale Supérieure de l'Aéronautique, Paris, France            B.S., Mathematics, Sorbonne, France            M.S., Mathematical Physics, University of Orsay, France            Ph.D., Mathematical Physics, Sorbonne, France</p>	<p><b>Perotti, Luca</b>  <b>Research Professor</b>            Laurea, Università degli Studi di Milano            M.S., University of Pittsburgh            Ph.D., University of Pittsburgh</p>
<p><b>Handy, Carlos R.</b>  <b>Professor and Chair</b>  <b>Director of the Center for Optimization Studies in the Applied Sciences (COSAS)</b>            B.A., Columbia College            M.A., Columbia University            M. Ph., Columbia University            Ph.D., Columbia University</p>	<p><b>Tymczak, Christopher J.</b>  <b>Associate Professor</b>  <b>Director of the High Performance Computer Center</b>            B.S., Pennsylvania State University            M.S., Clemson University            Ph.D., Texas A&amp;M University</p>
<p><b>Harvey, Mark C.</b>  <b>Assistant Professor</b>  <b>Director of the Health Physics Program</b>            B. S., Virginia State University            M. S., Hampton University            Ph. D., Hampton University</p>	<p><b>Vrinceanu, Daniel</b>  <b>Assistant Professor</b>  <b>Associate Director of the High Performance Computer Center</b>            B. S., University of Bucharest, Romania            Ph.D., Georgia Institute of Technology</p>
<p><b>Lee, Young</b>  <b>Adjunct Professor</b>            B.S., M.S., Yonsei University            Ph.D., University of Houston</p>	<p><b>Vrinceanu, Isabela</b>  <b>Adjunct Professor</b>            B. S., University of Bucharest, Romania            M. S., Georgia Institute of Technology            Ph. D., Georgia Institute of Technology</p>

## PHYSICS COURSES

<b>PHYS 101</b>	<b>Principles of Physical Science</b> (4) Survey of the physical sciences for non-science majors, including introductory physics, astronomy, and chemistry. Demonstrated math proficiency in basic algebra and geometry required. Three hours of lecture, and one hour of demonstrations per week.
<b>PHYS 116</b>	<b>University Physics Laboratory I</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 152. One three hour session per week.
<b>PHYS 151</b>	<b>Computational Modeling of Physical Systems</b> (1) Key physics experiments are used to develop intuitive abilities in advanced mathematics (i.e. differential equations, multidimensional calculus, vector analysis, vector calculus, linear algebra, and scientific programming). Prerequisite: MATH 136 (Precalculus) or MATH 241. Three hour laboratory per week.
<b>PHYS 152</b>	<b>University Physics I</b> (3) First of three calculus based introductory physics courses. Emphasis on Newton's laws and their applications to three dimensional motion of objects, gravity, fluids. Prerequisite: PHYS 151 or MATH 241. Three hours lecture.
<b>PHYS 162</b>	<b>Fundamentals of Scientific Programming</b> (3) Introduction to scientific programming languages such as Fortran 90, C, and their more recent versions. Three hours lecture per week including computational laboratory.
<b>PHYS 205</b>	<b>Physics of Music</b> (4) Overview of physics principles impacting the acoustics of musical instruments and the human voice. For non-science majors. Three hours of lecture and one hour demonstration, per week.
<b>PHYS 213</b>	<b>College Physics Laboratory I</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 237. One three hour session per week.
<b>PHYS 214</b>	<b>College Physics Laboratory II</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 238. One three hour session per week.
<b>PHYS 215</b>	<b>Physics for Engineers Laboratory I</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 245. One three hour session per week.
<b>PHYS 216</b>	<b>Physics for Engineers Laboratory II</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 246. One three hour session per week.
<b>PHYS 217</b>	<b>University Physics Laboratory II</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 251. One three hour session per week.
<b>PHYS 218</b>	<b>University Physics Laboratory III</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 252. One three hour session per week.

<b>PHYS 237</b>	<b>College Physics I</b> Non-calculus based introductory physics course designed for pharmacy students (lab required, although not necessarily concurrently), life sciences students, and (non-calculus oriented) engineering students: Newton's laws of mechanics, fluids, waves, and thermodynamics. Demonstrated mastery of basic algebra, geometry, trigonometry, and precalculus will be administered during the first week to determine if the registered student will be allowed to continue with the course. A sample of test related problems can be found at <a href="http://physics.tsu.edu">http://physics.tsu.edu</a> . Three lecture hours per week. <b>Prerequisite: MATH 136 (Precalculus) or MATH 241.</b>	<b>(3)</b>
<b>PHYS 238</b>	<b>College Physics II</b> Non-calculus based introductory physics course studying the laws of electricity and magnetism, electrical circuits, optics, and modern physics. Three lecture hours per week. Prerequisite: PHYS 237.	<b>(3)</b>
<b>PHYS 245</b>	<b>Physics for Engineers I</b> Calculus based introductory course: Newton's laws of mechanics, fluids, waves, and thermodynamics. Three lecture hours per week. Prerequisite: MATH 241.	<b>(3)</b>
<b>PHYS 246</b>	<b>Physics for Engineers II</b> Calculus based introductory course: the laws of electricity and magnetism, electrical circuits, optics, and modern physics. Three lecture hours per week. Prerequisite: PHYS 245.	<b>(3)</b>
<b>PHYS 247</b>	<b>Mathematical Methods I</b> Basic concepts in multidimensional calculus, vector calculus, linear algebra, Fourier series, differential equations, transform methods, and numerical methods. Three lecture hours per week. Prerequisites: PHYS 151, 162. Corequisite: PHYS 271.	<b>(3)</b>
<b>PHYS 248</b>	<b>Mathematical Methods II</b> Continuation of PHYS 247. Basic methods in partial differential equations, advanced vector calculus, curvilinear coordinates, vector spaces, Hilbert space operators, complex analysis, etc.	<b>(3)</b>
<b>PHYS 251</b>	<b>University Physics II</b> Calculus based introductory physics course: wave phenomena, optics, thermodynamics, modern physics. Three lecture hours per week. Prerequisite: PHYS 151 or MATH 242.	<b>(3)</b>
<b>PHYS 252</b>	<b>University Physics III</b> Calculus based introductory physics course: electricity and magnetism, electrical circuits (static and time varying). Three lecture hours per week. Prerequisites: PHYS 152, and PHYS 247 or MATH 242. Concurrent enrollment in PHYS 248 or its equivalent strongly recommended.	<b>(3)</b>
<b>PHYS 271</b>	<b>Computational Physics I</b> Introduction to basic computational methods in physics, including algebraic software. Three lecture hours per week. Prerequisites: PHYS 152, 162, MATH 242. Corequisite: PHYS 247.	<b>(3)</b>
<b>PHYS 272</b>	<b>Mechanics I</b> Intermediate mechanics: forced oscillators, Greens functions, nonlinear systems, rigid body dynamics, fluid dynamics, stress-strain relations. Three lecture hours per week. Prerequisites: PHYS 247, 271. Corequisite: PHYS 248 or its equivalent.	<b>(3)</b>
<b>PHYS 329</b>	<b>Introduction to Modern Physics for Life Science Students</b> Non-calculus based overview of modern physics with particular emphasis on nuclear and high energy dynamical processes. Prerequisite: PHYS 238. Three hour lecture per week.	<b>(3)</b>
<b>PHYS 332</b>	<b>Introduction to Modern Physics</b> Topics in modern physics, including special theory of relativity, introduction to quantum physics, and applications to atomic and nuclear structure. Three hours of lecture per week. Prerequisites: PHYS 251, PHYS 252, PHYS 217, and PHYS 218.	<b>(3)</b>

<b>PHYS 333</b>	<b>Electricity and Magnetism I</b>	<b>(3)</b>
	Maxwell's equations and their impact on electrostatics and magnetostatics, including dielectric and magnetic phenomena. Three lecture hours per week. Prerequisites: PHYS 248, 252.	
<b>PHYS 334</b>	<b>Electricity and Magnetism II</b>	<b>(3)</b>
	Continuation of PHYS 333 focusing on the full set of Maxwell's equations and their consequences for electromagnetic radiation processes and their interaction with matter. Prerequisite: PHYS 333.	
<b>PHYS 336</b>	<b>Thermodynamics and Statistical Physics</b>	<b>(3)</b>
	Study of the laws of thermodynamics, Carnot engines, etc., and their statistical physics formulations. Three lecture hours per week. Prerequisite: PHYS 251.	
<b>PHYS 337</b>	<b>Mechanics II</b>	<b>(3)</b>
	Lagrangian -Hamiltonian formulations of classical mechanics. Three lecture hours. Prerequisites: PHYS 252, 272.	
<b>PHYS 344</b>	<b>Electronics</b>	<b>(4)</b>
	Recommended for students interested in an experimental physics based senior thesis. Theory and practical operation of modern electronics. One hour lecture and three hours of laboratory per week. Prerequisites: PHYS 218 and PHYS 252.	
<b>PHYS 353</b>	<b>Quantum Mechanics I</b>	<b>(3)</b>
	The foundations of quantum mechanics via the Schrodinger representation: bound states, quantum tunneling, spin, perturbation theory, etc. Three lecture hours per week. Prerequisites: PHYS 271, 252.	
<b>PHYS 360</b>	<b>Advanced Undergraduate Laboratory</b>	<b>(1)</b>
	Exposure to the fundamental experiments that shaped modern physics. One three hour laboratory per week. Prerequisite: PHYS 353.	
<b>PHYS 361</b>	<b>Introduction to Atomic and Radiation Physics</b>	<b>(3)</b>
	Introduction to atomic and nuclear structure, radiation, radioactive decay, chemical and biological effects of radiation, dosimetry, radiation protection. Three lecture hours. Prerequisites: Either PHYS 238, 246 or 252. Students should also have demonstrated competencies in basic integral calculus, differential equations, and linear algebra. Corequisite: PHYS 353 or 329.	
<b>PHYS 365</b>	<b>Environmental Radioactivity Seminar</b>	<b>(1)</b>
	Focus on natural and manmade environmental radionuclide sources, radiation biology, protection, and pathways for environmental contamination. Ninety minute lecture per week.	
<b>PHYS 366</b>	<b>Nuclear Physics I</b>	<b>(4)</b>
	Study of radioactivity decay law, radioactive dating, nuclear radiation detection, alpha-beta-gamma decay, etc. Three lecture hours and One demonstration hour per week. Prerequisites: PHYS 247 or MATH 251, PHYS 353, PHYS 361.	
<b>PHYS 370</b>	<b>Nuclear Physics Laboratory</b>	<b>(1)</b>
	Basic nuclear physics experiments indispensable to radiation detection and measurement. Three hour lab per week. Corequisite: PHYS 374.	
<b>PHYS 374</b>	<b>Radiation Detection I</b>	<b>(4)</b>
	Comprehensive study of varying types of nuclear detection and measurement equipment, counting statistics and error prediction, etc. Four hours lecture-demonstration per week. Corequisites: PHYS 366 and 370.	

<b>PHYS 390</b>	<b>Engineering Physics: Intro. to Nanoscience and Nanotechnology</b> (3) Introduction to the basic physics principles and techniques governing nanostructures and their applications. Three lecture hours per week. Prerequisite: PHYS 353. Corequisite: PHYS 360.
<b>PHYS 411</b>	<b>Senior Seminar/Workshop I</b> (1) Student led, faculty supervised, seminars developed in a workshop format reviewing recent research developments. One three hour session per week. Prerequisite: Advanced Standing.
<b>PHYS 412</b>	<b>Senior Seminar/Workshop II</b> (1) Continuation of student led seminars developed in a workshop format reviewing recent research developments. One three hour session per week. Prerequisite: Advanced Standing.
<b>PHYS 415</b>	<b>Senior Thesis I</b> (1) STEM majors with senior standing work on a research topic with a TSU or adjunct faculty. One two hour meeting per week.
<b>PHYS 416</b>	<b>Senior Thesis II</b> (1) Continuation of PHYS 415.
<b>PHYS 419</b>	<b>Nuclear Physics for Life Sciences Laboratory</b> (1) Introduction to basic experiments in nuclear detection and radiation monitoring for Life Science students. Three hour laboratory per week. Prerequisites: PHYS 361, 365.
<b>PHYS 421</b>	<b>Nuclear Magnetic Resonance for Life Sciences Laboratory</b> (1) Nuclear magnetic resonance based experiments for life sciences students. Three hour laboratory per week. Prerequisites: PHYS 361, 365.
<b>PHYS 423</b>	<b>Nuclear Magnetic Resonance Laboratory</b> (1) Comprehensive experiments in nuclear magnetic resonance. Three hour laboratory per week. Prerequisite: PHYS 353.
<b>PHYS 424</b>	<b>Radiation Biology and Nuclear Medicine for Life Sciences Laboratory</b> (1) Experiments (for non-physics majors) measuring the effect of radiation on living cells. Three hour laboratory per week. Corequisite: PHYS 452.
<b>PHYS 426</b>	<b>Radiation Biology and Nuclear Medicine Laboratory</b> (1) Experiments measuring the effect of radiation on living cells. Three hour laboratory per week. Corequisite: PHYS 454.
<b>PHYS 433</b>	<b>Quantum Mechanics II</b> (3) Continuation of PHYS 353 emphasizing the time dependent features of the Schrodinger representation: time dependent perturbation theory, Heisenberg representations, etc. Three hour lecture per week.
<b>PHYS 451</b>	<b>Computational Physics II</b> (3) Introduction to advanced (parallel) computer methods for many body physics, quantum chemistry, nanophysics, and materials science problems. Three lecture hours per week. Corequisite: PHYS 433.
<b>PHYS 452</b>	<b>Radiation Biology for Life Sciences Students</b> (3) Study of the different types of electromagnetic radiation and the impact on organisms, including beneficial diagnostics and treatment properties. Prerequisites: PHYS 361, 365. Corequisite: PHYS 424. Three lecture hours per week.

<b>PHYS 454</b>	<b>Radiation Biology (similar course offered within Biology) (3)</b> Study of the different types of electromagnetic radiation and the impact on organisms, including beneficial diagnostics and treatment properties. Prerequisites: PHYS 361, 365. Corequisite: PHYS 426. Three lecture hours per week.
<b>PHYS 458</b>	<b>Medical Imaging (3)</b> The physics of x-ray computed tomography (CT), magnetic resonance imaging (MRI), nuclear medicine, ultrasound, etc., and their application. Three lecture hours per week. Prerequisites: PHYS 334, 353.
<b>PHYS 467</b>	<b>Nuclear Physics II (2)</b> Continuation of PHYS 366, with emphasis on the nuclear reactions, neutron physics, and applications of nuclear physics. Two lecture hours per week. Prerequisites: PHYS 353, 366.
<b>PHYS 471</b>	<b>Intermediate Nuclear Physics Laboratory (1)</b> Health physics applications and spectroscopy. Corequisite: PHYS 475. Three hour session per week.
<b>PHYS 472</b>	<b>Nuclear Electronics Laboratory (1)</b> Study of pulse processing and shaping, linear and logic pulse functions, multichannel pulse analysis and the NIM and CAMAC Instrumentation Standards. Prerequisites: PHYS 471, 475. Three hour session per week alternating between lecture and lab format.
<b>PHYS 475</b>	<b>Radiation Detection II (4)</b> Instrumentation for gamma-radiation, charged particle, and slow/fast neutron detection; background and detector shielding; etc.. Four hours lecture per week. Prerequisites: PHYS 366, 374. Corequisite: 471.
<b>PHYS 477</b>	<b>Radiation Protection and Dosimetry I (4)</b> Radiation biology, dosimetry, radiation sources of exposure, health physics instrumentation, standards and regulations. Four lecture hours per week. Prerequisite: PHYS 361.
<b>PHYS 478</b>	<b>Radiation Protection and Dosimetry II (4)</b> Continuation of PHYS 477 focusing on radiation protection, practice, environmental monitoring and specialty health physics areas. Four lecture hours per week. Prerequisite: PHYS 477.
<b>PHYS 481</b>	<b>Engineering Physics: Material Science (3)</b> Study of the theoretical and computational formulations for studying quantum materials. Three lecture hours per week. Corequisite: PHYS 451.
<b>PHYS 482</b>	<b>Engineering Physics: Nanobiophysics (3)</b> A first principle's, physics based approach for understanding the dynamics between based nanostructures and bio-chemical molecular structures. Three lecture hours per week. Prerequisites: PHYS 433, 451.
<b>PHYS 483</b>	<b>Independent Study (1-4)</b> Detailed study of an advanced topic in physics under the guidance of an instructor. Departmental permission required. May be enrolled for up to 4 semester credit hours. Prerequisites: senior standing and consent of the chair
<b>PHYS 484</b>	<b>Topics in Physics (3)</b> Different advanced topics offered, depending on faculty/student interests in all branches of physics: particle physics, astrophysics, space physics, quantum computing, etc. May be repeated for credit as topics vary. Prerequisites: senior standing and consent of the chair. Three hours per week.



- PHYS 485 Professional Development (Online) Course: Basic Concepts of Atomic and Radiation Physics I (1)**  
Introduction to atomic and nuclear structure, radiation, radiation detection, dosimetry, protection, etc. For professionals with advanced math competency. Two week sessions, two hour classes each day.
- PHYS 486 Professional Development (Online) Course: Basic Concepts of Atomic and Radiation Physics II (1)**  
Introduction to atomic and nuclear structure, radiation, radiation detection, dosimetry, protection, etc. For professionals with advanced math competency. Two week sessions, two hour classes each day.
- PHYS 487 Professional Development (Online) Course: Basic Concepts of Atomic and Radiation Physics III (1)**  
Introduction to atomic and nuclear structure, radiation, radiation detection, dosimetry, protection, etc. For professionals with advanced math competency. Two week sessions, two hour classes each day.
- PHYS 488 Professional Development (Online) Course: Radiation Protection and Dosimetry I (3)**  
Radiation biology, dosimetry, radiation sources of exposure, standards and regulations, radiation protection practices. For professionals with advanced math competency. Five weeks, two hours per day. Combination of lectures (online) and labs/demonstrations.
- PHYS 489 Professional Development (Online) Course: Radiation Protection and Dosimetry II (3)**  
Radiation biology, dosimetry, radiation sources of exposure, standards and regulations, radiation protection practices. For professionals with advanced math competency. Five weeks, two hours per day. Combination of lectures (online) and labs/demonstrations.
- PHYS 490 Professional Development (Online) Course: Nuclear Instrumentation (3)**  
Training in nuclear detection and measurement instrumentation. Five weeks, two hours per day. For professionals with advanced math competency. Lectures and Lab/Demonstrations.
- PHYS 491 Professional Development (Online) Course: Nuclear Physics Laboratory I (2)**  
Basic experiments exploiting Geiger Muller counters. Two weeks, three hours per day. For professionals with advanced math competency. Lectures and Lab/Demonstrations.
- PHYS 492 Professional Development (Online) Course: Nuclear Physics Laboratory II (2)**  
Basic experiments in radiation protection and radiation biology. Two weeks, three hours per day. For professionals with advanced math competency. Lectures and Lab/Demonstrations.
- PHYS 493 Professional Development (Online) Course: Nuclear Physics Laboratory III (2)**  
Experiments emphasizing Nuclear Instrument Module (NIM) equipment, including basic nuclear electronics experiments. Two weeks, three hours per day. For professionals with advanced math competency. Lectures and Lab/Demonstrations.
- PHYS 494 Professional Development (Online) Course: Intro. to Nuclear Physics I (1)**  
Basic nuclear structure. Two weeks, two hours per day. For professionals with advanced math competency.
- PHYS 495 Professional Development (Online) Course: Intro. to Nuclear Physics II (1)**  
Basic nuclear structure. Two weeks, two hours per day. For professionals with advanced math competency.
- PHYS 496 Professional Development (Online) Course: Intro. to Nuclear Physics III (1)**  
Basic nuclear structure. Two weeks, two hours per day. For professionals with advanced math competency.

## DEPARTMENT OF TRANSPORTATION STUDIES

The Department of Transportation Studies offers courses in the academic discipline of Maritime Transportation Management and Security (MTMS). Through curricular offerings provided, students are able to earn the Bachelor of Science (B.S.) in Maritime Transportation Management and Security, and the Master of Science (M.S.) in Transportation Planning and Management. An undergraduate minor is offered in Maritime Transportation Management and Security for students majoring in other academic disciplines. Members of the Department are housed in the College of Science and Technology.

For detailed information on the Master of Science in Transportation Planning and Management, students should refer to the Graduate School Bulletin of Texas Southern University.

The mission of the B.S. Program in Maritime Transportation Management and Security is fourfold: (1) to produce graduates for a variety of administrative and managerial positions in maritime transportation and port operations, (2) to produce graduates to function effectively in a number of diverse careers in three critical areas of maritime transportation: logistics, security, and environment, (3) to provide students with the academic background and preparation for pursuing advanced studies in the field of maritime transportation or affiliated areas, (4) to provide training programs and individual courses to individuals already in the maritime profession. In the fulfillment of this mission, students selecting the Maritime Transportation Management and Security program as a major will be prepared for a number of career specialization options including but not limited to: Freight Logistics Specialist, Shipping Manager, Port Manager and Operator, Port Security Officer, Maritime Policy Maker, Maritime Transportation Planner, Environmental Compliance Coordinator/Specialist, and Emergency Response Specialist. To that end, graduates of the Maritime Transportation program will also be academically prepared for graduate studies in the discipline of maritime.

Students wishing to pursue the B.S. in Maritime Transportation Management and Security must first gain admission to the University, must satisfy ASSET requirements, must eradicate deficiencies assessed at the time of admission through the University Testing Center, and must petition the Department for admission once ASSET requirements have been completed and deficiencies removed. Once admitted to the Department, students are assigned an official advisor who must be consulted on a semester or term basis for schedule approval and status verification for progress toward graduation. **An exit examination is required of all graduating seniors pursuing the B.S. in Maritime Transportation Management and Security. Students wishing to change their major to MTMS must be in good academic standing (not on academic probation, academic monitoring or suspension).**

The curriculum of study for the Bachelor of Science (B.S.) in Maritime Transportation Management and Security provides students with three concentrations: Logistics/Freight, Security, and Environment. A detailed listing of these requirements is given below. Students selecting to pursue the B.S. in Maritime Transportation Management and Security are not required to declare a minor in another academic discipline. **Additionally, grades of “C” or better must be earned in all Maritime Transportation Management and Security courses required leading to completion of the degree. Grades of “C-” are unacceptable. The successful completion of MTMS 101 with a grade of “C” or better is required before junior and senior level MTMS courses can be taken.**

In addition to academic course work, **a student pursuing the B.S. in MTMS must undertake a 3 semester credit hour Practicum (Internship) (MTMS 495) to meet degree requirements and gain practical experience.** Internship sites for students are local employers in the maritime industry. For further information on internships, students should contact either the Maritime Program Coordinator, Office of the Dean of the College of Science and Technology, or the University Director of Cooperative Education in the Placement Center at the University.

**For the minor in Maritime Transportation Management and Security offered through the Department, students are required to complete 21 semester credit hours** in the following courses: MTMS 101 (3 credits), MTMS 202 (3 credits), MTMS 303 (3 credits), MTMS 321 (3 credits), MTMS 322 (3 credits), MTMS 341 (3 credits), MTMS 342 (3 credits), MTMS 361 (3 credits), MTMS 423 (3 credits), MTMS 424 (3 credits), MTMS 425 (3 credits), MTMS 443 (3 credits), MTMS 444 (3 credits), MTMS 445 (3 credits), MTMS 462 (3 credits), MTMS 463 (3 credits), MTMS 481 (3 credits), MTMS 482 (3 credits), MTMS 483 (3 credits), and MTMS 495 (3 credits).

**For additional information on the Bachelor of Science in Maritime Transportation Management and Security, students are asked to contact the Department Office at (713)-313-4394.**

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Burns, Maria</b>  <b>Visiting Instructor</b>  Diploma, Institute of Chartered Shipbrokers, U.K., London  Metropolitan University  M.S., London Metropolitan University, U.K.  Ph.D. Candidate, Vrije University, Brussels</p>	<p><b>Qiao, Fengxiang</b>  <b>Associate Professor</b>  B.S., South East University, Nanjing Jiangsu Province  M.S., South East University, Nanjing Jiangsu Province  Ph.D., Hong Kong University of Science and Technology</p>
<p><b>Lewis, Carol A.</b>  <b>Associate Professor</b>  B.S., M.S., University of Iowa  Ph.D., University of Houston</p>	<p><b>Williams, Ursula A.</b>  <b>Maritime Program Coordinator</b>  B.A., Huston-Tillotson College  M.C.R.P., University of Texas at Arlington  M.S., Texas Southern University</p>
<p><b>Miller, Michael</b>  <b>Visiting Instructor</b>  B.S., Texas A&amp;M Galveston</p>	<p><b>Yu, Lei</b>  <b>Dean, Professor</b>  B.S., Beijing (formerly Northern) Jiaotong University  M.S., Nagoya Institute of Technology  Ph.D., Queen's University</p>
<p><b>Qi, Yi (Grace)</b>  <b>Interim Chair, Associate Professor</b>  B.S., M.S., East China Normal University, Shanghai  M.S., Polytechnic University of New York  Ph.D., Polytechnic University of New York</p>	

### MARITIME TRANSPORTATION MANAGEMENT AND SECURITY

<b>MTMS 101</b>	<p><b>Introduction to Maritime Transportation</b> <span style="float: right;">(3)</span>  This course presents an introduction to the interdisciplinary study of maritime-related topics with an examination of the physical maritime environment and maritime cultures, history, and industries. Students enrolled in this course will learn what maritime transportation consists of, how it operates, how it is characterized economically, and how it is regulated. Three hours of lecture per week.</p>
<b>MTMS 202</b>	<p><b>Maritime Law</b> <span style="float: right;">(3)</span>  This course covers the process involved in the exercise of jurisdiction by nations over the maritime area. It presents the roles of major global shipping on nations' maritime policy, with special emphasis on past and present maritime legislation, business regulations, corporate governance issues, and related case studies. Three hours of lecture per week.</p>
<b>MTMS 303</b>	<p><b>American Maritime History</b> <span style="float: right;">(3)</span>  This course presents the development of American maritime enterprise from colonial times to the era of the containership, and its relationship to American political, economic, and cultural history. Three hours of lecture per week.</p>
<b>MTMS 321</b>	<p><b>International Business and Ocean Shipping</b> <span style="float: right;">(3)</span>  This course presents the global business environment and its implications for operations, management, pricing, promotion, and financial strategies. It also presents the maritime capabilities in facilitation of contemporary supply chains, the liner and tramp segments of the international marine transportation industry, and their role in international trade. Three hours of lecture per week. <i>Prerequisite MTMS 101 with a grade of "C" or better.</i></p>

- MTMS 322**                      **Port and Terminal Operation Management**                      **(3)**  
This course provides an overview of the history, growth, organization, and operation of major ports and transportation terminals, including logistics processes such as on-dock rail, strategic and tactical planning, harbor drayage, terminal gate protocols, equipment and cargo movement, and integration of marine port and terminal operations with other modes of transportation. It introduces the functions of the port divided along business lines, different types of marine terminals, and the day-to-day operational, financial, and labor issues of ports and terminals. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 341**                      **Maritime Security Management**                      **(3)**  
This course provides the basic framework and knowledge to perform the duties and responsibilities of a Company Security Officer (CSO), Port Facility Security Officer (PFSO), or Ship Security Officer (SSO) as defined by the ISPS Code. It presents how to implement and maintain a security plan and how to work with other security officer. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 342**                      **Maritime Security Technology**                      **(3)**  
This course explores the implications and consequences of the scientific and technological issues in terms of maritime security in the social and political context. It presents instruction and discussion on current security issues and technologies. For example, containers now coming out of a port terminal are scanned for radiation; what can the scanners detect and if radiation is detected, what does that mean? How would a city be evacuated in the event a nuclear device was detected? Another example of technology with far reaching implications is that of biometrics; suppose everybody had their retina patterns in a national database? When is personal information too intrusive for government access? Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 361**                      **Maritime Environmental Management**                      **(3)**  
This course presents an overview of the basic environmental regulations as they pertain to the maritime industry. The environmental management strategies (EMS) to be covered include knowing the fundamental structure of environmental strategies, EMS alternatives, alternative dispute resolution, how an effective EMS can reduce costs and increase profits, and what environmental laws may be triggered by relevant activities. Sections of the following laws pertaining specifically to Vessel Operations are used: MARPOL, Resource Conservation and Recovery Act, Clean Water Act, Montreal Protocol, and State Statutes. Three lecture hours per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 423**                      **Marine Cargo Operations**                      **(3)**  
This course is an introduction to the objectives and problems with break-bulk cargo handling during loading, discharging, and in-transit carriage. It presents the role of the ship in integrated transportation systems, the methods of cargo loss prevention, and the maximum cargo efficiency with relation to space, cargo gear, crew, and labor costs. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 424**                      **Containerization and Modern Cargo Storage**                      **(3)**  
This course presents the principles and regulations for transporting special refrigerated and hazardous cargo. It addresses the security of shipments from a regulatory, operational, and global business perspective. Students enrolled in this course will be trained to identify dangerous goods and know that they are to be stowed and separated according to the requirements. Students will also learn the hazards related to bulk cargoes and the precaution to take during their loading and carriage. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 425**                      **International Intermodal Transportation**                      **(3)**  
This course is designed to examine the modern inter-modal transportation and distribution systems used in the movement of international and domestic cargo. It presents the evolution, development, and use of rail, air, truck, and maritime transportation systems, and their dynamic impacts on international trade. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*

- MTMS 443**                      **Maritime Transportation Security**                      **(3)**  
 This course focuses on the International Ship and Port Security Code (ISPS) and domestic maritime security policies. It presents an introduction of port and ship vulnerability assessments, security plan implementation procedures, various levels of shipboard security responsibilities, and security administration. It also explores elements of chemical, biological and radiological defense (CBRD), and crisis management. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 444**                      **Lectures in Contemporary Maritime Security Issues**                      **(3)**  
 This course invites prominent experts in maritime and intermodal security to give special lectures on various topical issues of the day in their field of security. Students enrolled in this course are required to submit a term paper that integrates the information from different speakers and their research project experience. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 445**                      **Maritime Risk Assessment and Management**                      **(3)**  
 This course is designed to develop the concepts required for maritime risk-based planning and analysis, and the methods used to conduct vulnerability assessment for natural disaster, technological hazards, and terrorist threats. The topics to be covered included: 1) Introduction and Analysis, such as Process Descriptions, Hazard Identification, Source Models, Consequence Analysis; 2) Assessment, such as Exposure Assessment, Does Response and Risk Characterization, Radiation Risk Assessment, Environmental Assessment; and 3) Management, such as Structural Activity Relationships, Risk Management, ISO 14000. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 462**                      **Marine Environmental Protection**                      **(3)**  
 This course offers an interdisciplinary approach to ways in which human beings control adverse effects to the marine environment. It presents various environmental situations and the methods of applying scientific knowledge about the coastal areas to the human, economic, and political dimension. Three lecture hours per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 463**                      **Maritime Environmental Law**                      **(3)**  
 This course is designed to familiarize students with the concepts and mechanisms of international and U.S. federal environmental law and policy. It presents the role of the American legal system as it functions to control and remediate maritime environmental problems and evaluates the opportunities to use judicial, administrative, and legislative processes to address those problems. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 481**                      **Seminar in International Maritime Business**                      **(3)**  
 This course provides an opportunity for students and the instructor to discuss the effects of multi-national operations on business strategy and decision making by exploring the economic, political, financial, legal, and social nature of the international environment. It examines maritime and transport related formulation, selection, and implementation of multi-national strategies in the context of business environment. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 482**                      **Advanced Transportation Management**                      **(3)**  
 This course presents perspectives on carrier organization and management. It examines national transportation policy, regulation, and the changing environment of transportation. Topics to be covered include transportation operations, marketing, financing, purchasing, information systems and maintenance, as well as human resources management and labor relations. Students enrolled in this course are required to involve in original research on problems in transportation management with emphasis on maritime transportation. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*

**MTMS 483****Maritime Studies Senior Seminar****(3)**

This course facilitates discussions between students, the instructor, and invited speakers to discuss topical themes related to diverse aspects of society and commerce in coastal and oceanic zones, the maritime experience, and the political, economical, cultural, and environmental perspectives of maritime management. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*

**MTMS 495****Field Work Practicum in Maritime Transportation****(3)**

This course provides students with field work opportunities to gain hands-on experience in various maritime transportation related work. Students enrolled in this course are required to submit a written report of the practicum or project experience, detailing the specific tasks performed. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN  
MARITIME TRANSPORTATION MANAGEMENT AND SECURITY  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>MAJOR (MARITIME TRANSPORTATION MANAGEMENT AND SECURITY)</b>	<b>OTHER REQUIREMENTS</b>
<b>44 credits</b>	<b>45 credits</b>	<b>32 credits</b>
ENG 131 (3)*	MTMS 101 (3)	ITEC 111 (1)
ENG 132 (3)	MTMS 202 (3)	ITEC 331 (3)
SC 135 (3)	MTMS 303 (3)	ITEC 412 (1)
MATH 133 (3)*	MTMS 321 (3)	MGMT 300 (3)
Natural Science (8)****	MTMS 322 (3)	MGMT 301 (3)
ENG 2xx (3)	MTMS 341 (3)	MGMT 402 (3)
MUSI 239 (3)	MTMS 342 (3)	SPAN (6) **
HIST 231 (3)	MTMS 361 (3)	MATH 231 (3)
HIST 232 (3)	MTMS 424 (3)	MGSC 304 (3)
POLS 231 (3)	MTMS 444 (3)	CS 117 (3)
POLS 232 (3)	MTMS 463 (3)	MKTG 306 (3)
PSY 131 (3)	MTMS 481 (3)	
CS 116 (3)	MTMS 495 (3)	
	MTMS Electives (6)***	

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

(N) Represents the number of course credits.

\* Pending English and Math examinations

\*\* Can be substituted by any foreign language course including Chinese, Russian, Japanese, French, etc.

\*\*\* Elective course are selected from MTMS 423,425,443,445,462,482,483.

\*\*\*\* Natural Science credits should be selected from the following; BIOL 143 (4) or CHEM 111, 131 (4) and CHEM112, 132 (4) or GEOL 141 (4) or PHYS 141 (4).

**Bachelor of Science Degree in Maritime Transportation Management and Security  
Four-Year Degree Plan - Total Credits: 121**

First Year	First Semester				Second Semester			
	ENG	131	Freshmen English I	3	ENG	132	Freshman English II	3
	MATH	133	College Algebra	3	PSY	131	General Psychology	3
	CS	116	Intro Comp Science I	3	NSCI	1XX*	Natural Science	4
	SC	135	Business Prof. Comm.	3	MTMS	101	Intro. To Maritime Transp.	3
	NSCI	1XX*	Natural Science	4	CS	117	Intro Comp Science II	3
	FS	102	Freshman Seminar	1	ITEC	111	Tech Orientation	1
			17hrs				17 hrs	

Second Year	Third Semester				Fourth Semester			
	HIST	231	Soc & Pol to 1877	3	HIST	232	Soc & Pol since 1877	3
	POLS	231	Amer. Pol System I	3	POLS	232	Amer. Pol System II	3
	ENG	2xx	Any 200 Level	3	MUSI	239	Fine Arts & Daily Liv	3
	SPAN	131**	Elementary Spanish I	3	SPAN	132**	Elementary Spanish II	3
	MATH	231	Elementary Statistics	3	MTMS	202	Maritime Law	3
			15hrs				15hrs	

Third Year	Fifth Semester				Sixth Semester			
	MTMS	303	American Maritime History	3	MTMS	322	Port and Term. Oper. Mgmt.	3
	MTMS	321	Inter. Busi. And Ocean Ship.	3	MTMS	342	Maritime Security Tech.	3
	MTMS	341	Maritime Security Mgmt.	3	MTMS	361	Maritime Environ. Mgmt.	3
	MGMT	300	Principles of Management	3	MGMT	301	Personnel and Manpower Dev	3
	ITEC	331	Technical Writing	3	MKTG	306	Principles of Marketing	3
			15hrs				15hrs	

Fourth Year	Seventh Semester				Eighth Semester			
	MTMS	424	Contain. And Mo. Cargo Stw	3	MTMS	463	Maritime Environmental Law	3
	MTMS	444	Lectures on Security	3	MTMS	481	Seminar in Maritime Business	3
	MGSC	304	Information Technology	3	MTMS	Elect***	Elective	3
	MGMT	402	International Management	3	ITEC	412	Senior Seminar	1
	MTMS	Elect***	Elective	3	MTMS	495	Practicum	3
			15hrs				13hrs	

\* Natural Science credits are to be selected from: BIOL 143 (4) or CHEM 111, 131 (4) & CHEM112, 132 (4) or GEOL 141 (4) or PHYS 141 (4)

\*\*Can be substituted by any foreign language courses including Chinese, Russian, Japanese, French, etc.

\*\*\* Elective Options: MTMS 423, 425, 443, 445, 462, 482, 483



## TWO YEAR COURSE ROTATION SCHEDULE

X indicates when a course shall be offered

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	CO REQUISITE
MTMS 101	Introduction to Maritime Transportation	3	X			X			none	
MTMS 202	Maritime Law	3	X			X			none	
MTMS 303	American Maritime History	3	X			X			none	
MTMS 321	International Business and Ocean Shipping	3		X			X		MTM S101	
MTMS 322	Port and Terminal Operation Management	3	X			X			MTMS 101	
MTMS 341	Maritime Security Management	3		X			X		MTMS 101	
MTMS 342	Maritime Security Technology	3			X			X	MTMS 101	
MTMS 361	Maritime Environmental Management	3		X			X		MTMS 101	
MTMS 424	Containerization and Modern Cargo Stowage	3	X						MTMS 101	
MTMS 444	Lectures in Contemporary Maritime Security Issues	3		X			X		MTMS 101	
MTMS 463	Maritime Environmental Law	3		X			X		MTMS 101 and MTMS 202	
MTMS 481	Seminar in International Maritime Business	3							MTMS 101	
MTMS 495	Practicum	3		X			X		MTMS 101	SENIOR STANDING
MTMS 423	Marine Cargo Operations	3			X			X	MTMS 101	
MTMS 425	International Intermodal Transportation	3		X			X		MTMS 101	
MTMS 443	Maritime Transportation Security	3	X			X			MTMS 101	
MTMS 445	Maritime Risk Assessment and Management	3							MTMS 101	
MTMS 462	Marine Environmental Protection	3							MTMS 101	
MTMS 482	Advanced Transportation Management	3							MTMS 101	
MTMS 483	Maritime Studies Senior Seminar	3		X			X		MTMS 101	SENIOR STANDING





## DEVELOPMENTAL EDUCATION PROGRAM

The Developmental Education Program is designed to foster the academic potential of students that will facilitate their progress during their matriculation at Texas Southern University. Providing academic-based opportunities for the enhancement intellectual growth, the Program engages faculty and students in the type of interactive learning that enables students to realize their capabilities to the fullest extent.

The Developmental Education Program offers developmental reading, English and mathematics courses tailored to ensure the academic success of all conditionally admitted students. Student enrollment in these courses is determined by their scores on the ACT, SAT, ASSET, COMPASS, THEA or ACCUPLACER placement tests.

### DEVELOPMENTAL READING COURSE

**READ 130**

**Basic Reading and Study Skills**

**(3)**

**Designed for students to learn the factors that comprise effective reading, study skills, and vocabulary building. Students engage in interactive learning activities to improve their reading comprehension, methods of study, and vocabulary building.** Three hours of lecture and one hour of laboratory per week.













# 85<sup>TH</sup>

**TEXAS SOUTHERN  
UNIVERSITY**

*Creating Legends and Leaders*

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1927-2012  
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