



TEXAS SOUTHERN UNIVERSITY

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PROVISIONS OF THIS CATALOG

The provisions of this catalog do not constitute a contract, expressed or implied, between any applicant, student, or faculty member and Texas Southern University. Texas Southern University reserves the right to withdraw courses at any time and to change fees, calendars, curricula, graduation procedures, or other requirements affecting students. Changes will become effective whenever the proper authorities so determine and will apply both to prospective students and those currently enrolled. Provisions set forth in publications of individual schools and colleges shall supersede those herein.

While every effort is made to assure that information is accurate, Texas Southern University does not assume responsibility for any misrepresentation which might arise through error in the preparation of this or any other of its catalogs or through failure to give notice of changes in its requirements, policies, tuition and fees, course offerings and other matters affecting students or applicants. To be assured of accuracy of information, students must regularly consult current publications and academic advisors.

GUIDE TO COURSE OFFERINGS

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

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

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*section numbers for academic departments listed in parentheses

SUMMARY OF UNDERGRADUATE DEGREES OFFERED

COLLEGE OR SCHOOL	DEPARTMENT	UNDERGRADUATE DEGREES OFFERED
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 Marketing
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 Bachelor of Science (B.S.) in Human Performance
Tavis Smiley School of Communications	Communications	Bachelor of Arts (B.A.) in Communication Bachelor of Arts (B.A.) in Mass Communications
College of Liberal Arts and Behavioral Sciences	English	Bachelor of Arts (B.A.) in English
	Fine Arts	Bachelor of Arts (B.A.) in Art Bachelor of Arts (B.A.) in Music Bachelor of Arts (B.A.) in Theatre
	Foreign Languages	Bachelor of Arts (B.A.) in French Bachelor of Arts (B.A.) in Spanish
	History, Geography, and Economics	Bachelor of Arts (B.A.) in History Bachelor of Arts (B.A.) in Economics Bachelor of Arts (B.A.) in General Studies
	Human Services and Consumer Sciences	Bachelor of Science (B.S.) in Dietetics Bachelor of Science (B.S.) in Human Services and Consumer Sciences
	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
Barbara Jordan - Mickey Leland School of Public Affairs	Political Science	Bachelor of Science (B.S.) in Public Affairs Bachelor of Arts (B.A.) in Political Science
	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	Entry Level Doctor of Pharmacy (Pharm.D.)
	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	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 Technologies	Bachelor of Science (B.S.) in Civil Engineering Technology
		Bachelor of Science (B.S.) in Electronics Engineering Technology
		Bachelor of Science (B.S.) in Computer Engineering Technology
	Industrial Technologies	Bachelor of Science (B.S.) in Industrial Technology
	Mathematics	Bachelor of Science (B.S.) in Mathematics
	Physics	Bachelor of Science (B.S.) in Physics
Transportation Studies	Bachelor of Science (B.S.) in Airway Science	

NOTE: Many of the degrees offered have multiple tracks leading toward their completion. Sections of this bulletin related to the various departments and the respective degrees offered should be consulted 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.

ACADEMIC CALENDAR

FALL 2008 SEMESTER

April 21-August 22	Fall registration period for continuing students
June 25-27	Wednesday-Friday EarlyStart orientation and registration for first-time freshmen and new transfer students
July 16-18	Wednesday-Friday EarlyStart orientation and registration for first-time freshmen and new transfer students
August 17	Sunday Residence halls open, 8am
August 18-22	Monday-Friday Orientation and registration period for first-time freshmen and new transfer students
August 22	Friday Last day to pay tuition and fees without a late fee
August 25	Monday CLASSES BEGIN Last day to apply for fall admission
August 25-29	Monday-Friday Change of program period
September 1	Monday Labor Day holiday
September 8	Monday TWELFTH CLASS DAY Last day to drop classes or withdraw from school without grades of W
September 12	Friday Last day to file for December graduation
September 16	Tuesday Opening Convocation
September 17	Wednesday TWENTIETH CLASS DAY Purge of all unpaid course selections Last day to pay tuition and fees, with a late fee
September 29	Monday Second installment payment due
October (Dates pending)	MID-SEMESTER EXAMINATIONS
November 3	Monday Third installment payment due
November 7	Friday Last day to drop classes or withdraw from school, with grades of W
November 27-29	Thursday-Saturday Thanksgiving holiday
December 3	Wednesday Annual lighting of Christmas tree on the plaza
December 5	Friday Last day of classes
December 6-12	Saturday-Friday FINAL EXAMINATIONS
December 13	Saturday Semester closes Commencement Exercises, 9:30 a.m.

SPRING 2009 SEMESTER

November 24, 2008-January 16	Spring registration period for continuing students
December 5, 2008	Friday Last day to apply for spring admission
January 11	Sunday Residence halls open, 8am
January 12-16	Monday-Friday Orientation and registration period for first-time freshmen and new transfer students
January 16	Friday Last day to pay tuition and fees without a late fee
January 19	Monday Martin Luther King, Jr. Day holiday
January 20	Tuesday CLASSES BEGIN
January 20-23	Tuesday-Friday Change of program period
February 2	Monday TWELFTH CLASS DAY Last day to drop classes or withdraw from school without grades of W
February 11	Wednesday TWENTIETH CLASS DAY Purge of all unpaid course selections Last day to pay tuition and fees, with a late fee
February 13	Friday Last day to file for May graduation
February 23	Monday Second installment payment due
March 4	Wednesday Charter Day
March 7-13	Saturday-Friday MID-SEMESTER EXAMINATIONS
March 14-20	Saturday-Friday Spring vacation
April 2	Thursday Honors Day
April 6	Monday Third installment payment due
April 9	Thursday Last day to drop classes or withdraw from school, with grades of W
April 10-11	Friday-Saturday Easter holidays
May 8	Friday Last day of classes
May 9-15	Saturday-Friday FINAL EXAMINATIONS
May 16	Saturday Semester closes Commencement Exercises, 9:30 a.m.

FIRST SUMMER TERM 2009 (CLASSES MEET 5 DAYS A WEEK)

April 20-May 29	Registration period for continuing students for summer term I
May 18-29	Monday-Friday Registration period for new students
May 22	Friday Last day to apply for summer term I admission
May 24	Sunday Residence halls open, 8am
May 25	Monday Memorial Day holiday
May 29	Friday Last day to pay tuition and fees without a late fee
June 1	Monday CLASSES BEGIN Change of program (one day)
June 4	Thursday FOURTH CLASS DAY Last day to drop classes or withdraw from school without grades of W
June 12	Friday Last day to file for August graduation
June 18	Thursday Last day to drop classes or withdraw from school, with grades of W
June 22	Monday FIFTEENTH CLASS DAY Purge of all unpaid course selections Last day to pay tuition and fees, with a late fee
July 2	Thursday FINAL EXAMINATIONS Summer term I closes

SECOND SUMMER TERM 2009 (CLASSES MEET 5 DAYS A WEEK)

April 20-July 3	Registration period for continuing students for summer term II
June 18	Thursday Last day to apply for summer term II admission
June 29-July 3	Monday-Friday Registration period for new students
July 3	Friday Last day to pay tuition and fees without a late fee
July 6	Monday CLASSES BEGIN Change of program (one day)
July 9	Thursday FOURTH CLASS DAY Last day to drop classes or withdraw from school without grades of W
July 23	Thursday Last day to drop classes or withdraw from school, with grades of W
July 24	Friday FIFTEENTH CLASS DAY Purge of all unpaid course selections Last day to pay tuition and fees, with a late fee
August 5	Wednesday FINAL EXAMINATIONS
August 8	Saturday Summer term II closes Commencement Exercises, 9:30 a.m.

FALL 2009 SEMESTER

April 20-August 21	Fall registration period for continuing students
June 24-26	Wednesday-Friday EarlyStart orientation and registration for first-time freshmen and new transfer students
July 15-17	Wednesday-Friday EarlyStart orientation and registration for first-time freshmen and new transfer students
July 17	Friday Last day to apply for fall admission
August 16	Sunday Residence halls open, 8am
August 17-21	Monday-Friday Orientation and registration period for first-time freshmen and new transfer students
August 21	Friday Last day to pay tuition and fees without a late fee
August 24	Monday CLASSES BEGIN
August 24-28	Monday-Friday Change of program period
September 7	Monday Labor Day holiday
September 8	Tuesday TWELFTH CLASS DAY
September 11	Last day to drop classes or withdraw from school without grades of W
September 15	Friday Last day to file for December graduation
September 16	Tuesday Opening Convocation
	Wednesday TWENTIETH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees, with a late fee
September 28	Monday Second installment payment due
October (Dates pending)	MID-SEMESTER EXAMINATIONS
November 2	Monday Third installment payment due
November 6	Friday Last day to drop classes or withdraw from school, with grades of W
November 26-28	Thursday-Saturday Thanksgiving holidays
December 2	Wednesday Annual lighting of Christmas tree on the plaza
December 4	Friday Last day of classes
December 5-11	Saturday-Friday FINAL EXAMINATIONS
December 12	Saturday Semester closes
	Commencement Exercises, 9:30 a.m.

SPRING 2010 SEMESTER

November 23, 2009-January 15	Spring registration period for continuing students
December 4, 2009	Friday Last day to apply for spring admission
January 10	Sunday Residence halls open, 8am
January 11-15	Monday-Friday Orientation and registration period for first-time freshmen and new transfer students
January 15	Friday Last day to pay tuition and fees without a late fee
January 18	Monday Martin Luther King, Jr. Day holiday
January 19	Tuesday CLASSES BEGIN
January 19-22	Tuesday-Friday Change of program period
February 1	Monday TWELFTH CLASS DAY Last day to drop classes or withdraw from school without grades of W
February 10	Wednesday TWENTIETH CLASS DAY Purge of all unpaid course selections Last day to pay tuition and fees, with a late fee
February 12	Friday Last day to file for May graduation
February 22	Monday Second installment payment due
March 3	Wednesday Charter Day
March 13-19	Saturday-Friday MID-SEMESTER EXAMINATIONS
March 20-26	Saturday-Friday Spring vacation
April 1	Thursday Honors Day
April 2-3	Friday-Saturday Easter holidays
April 5	Monday Third installment payment due
April 9	Friday Last day to drop classes or withdraw from school, with grades of W
May 7	Friday Last day of classes
May 8-14	Saturday-Friday FINAL EXAMINATIONS
May 15	Saturday Semester closes Commencement Exercises, 9:30 a.m.

FIRST SUMMER 2010 TERM (CLASSES MEET 5 DAYS A WEEK)

April 19-May 28	Registration period for continuing students for summer term I
May 14	Friday Last day to apply for summer term I admission
May 24-28	Monday-Friday Registration period for new students
May 28	Friday Last day to pay tuition and fees without a late fee
May 30	Sunday Residence halls open, 8am
May 31	Monday Memorial Day holiday
June 1	Tuesday CLASSES BEGIN
	Change of program (one day)
June 4	Friday FOURTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
	Last day to file for August graduation
June 18	Friday Last day to drop classes or withdraw from school, with grades of W
June 21	Monday FIFTEENTH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees, with a late fee
July 1	Thursday FINAL EXAMINATIONS
	Summer term I closes

SECOND SUMMER 2010 TERM (CLASSES MEET 5 DAYS A WEEK)

April 19-July 2	Registration period for continuing students for summer term II
June 18	Friday Last day to apply for summer term II admission
June 28-July 2	Monday-Friday Registration period for new students
July 2	Friday Last day to pay tuition and fees without a late fee
July 5	Monday CLASSES BEGIN
	Change of program (one day)
July 8	Thursday FOURTH CLASS DAY
	Last day to drop classes or withdraw from school without grades of W
July 22	Thursday Last day to drop classes or withdraw from school, with grades of W
July 23	Friday FIFTEENTH CLASS DAY
	Purge of all unpaid course selections
	Last day to pay tuition and fees, with a late fee
August 4	Wednesday FINAL EXAMINATIONS
August 7	Saturday Summer term II closes
	Commencement Exercises, 9:30 a.m.

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 is as 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.

OFFICERS OF ADMINISTRATION

BOARD OF REGENTS

Glenn Lewis, Chairman	Fort Worth
Richard Salwen, Vice Chairman.....	Austin
Tracye McDaniel, Second Vice Chair	Houston
E. Javier Loya, Secretary	Houston
Gary Bledsoe.....	Austin
Samuel L. Bryant	Austin
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Richard Knight Jr.....	Dallas
Curtistene McCowan.....	De Soto
Kristopher B. Krishner, Student Regent	Houston

OFFICERS OF ADMINISTRATION

John M. Rudley	President
James M. Douglas.....	Interim Provost, Senior Vice President of Academic Affairs
Gloria J. Walker	Chief Operating Officer
Willie Marshall	Dean of Students, Vice President of Academic Services
Wendy H. Adair.....	Vice President of University Advancement
Billy R. Owens.....	Senior Vice President of Business & Finance
Gita P. Bolt	General Counsel
Charles McClellan	Director of Athletics
Janis J. Newman.....	Chief of Staff
L. Alex Swan	Chair of Faculty Senate

OFFICERS OF INSTRUCTIONAL ADMINISTRATION

Joseph Boyd.....	Dean, Jesse H. Jones School of Business
James W. Ward.....	Dean, Tavis Smiley School of Communication
Jay Cummings	Dean, College of Education
McKen Carrington.....	Dean, Thurgood Marshall School of Law
Merline Pitre.....	Dean, College of Liberal Arts & Behavioral Sciences
Theophilus Herrington	Dean, Barbara Jordan–Mickey Leland School of Public Affairs
Barbara E. Hayes.....	Dean, College of Pharmacy and Health Sciences
John Sapp	Interim Dean, College of Science and Technology
Irvine Epps.....	Dean, College of Continuing Education
Obidike Kamau	Director of Libraries
Marilynn Square	University Registrar

GENERAL INFORMATION 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, 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 2014.

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 Student Services.

NOTICE OF NO WEAPONS POLICY

Under Texas Penal Code, Section 46.03, citizens may obtain licenses to carry concealed handguns. Although this is the case, 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 as 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 self-discipline, 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 can not, 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.

UNIVERSITY MISSION

Texas Southern University is a comprehensive, historically black institution of higher education dedicated to providing quality instruction, scholarly research, and socially responsible public service. Consistent with its statutory designations as both a statewide general purpose and a special purpose institution for urban programming, the University offers bachelor's, master's, doctoral, and professional degrees. Committed to providing access and opportunity, the University enrolls an academically and ethnically diverse student body. Through their teaching and research, the distinguished faculty members produce competent graduates who are poised to make positive contribution to humanity.

UNIVERSITY VISION AND CORE VALUES

The University's vision is to achieve preeminence as a comprehensive urban institution of higher learning, preparing students for leadership roles in the communities of our state, nation, and world. The University embraces core values of integrity; excellence and innovation; academic freedom; equality and diversity; and compassion.

ORGANIZATION FOR INSTRUCTION

The University is organized for academic instruction as ten 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 Tavis Smiley 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

Supporting the Jesse H. Jones School of Business, the College of Education, the Tavis Smiley 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, and the College of Science and Technology is the General University Academic Center (or GUAC). This center, along with its purpose and the services that it provides to undergraduate students entering Texas Southern University for the first time, is described in detail below.

The Thurgood Marshall School of Law and the Graduate School offer professional level and graduate level degrees respectively. Further information about these units may be obtained by telephoning (713)-313-4455 and (713)-313-7233, respectively.

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 doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about 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 College of Education holds membership in the National Council for Accreditation of 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).

THE GENERAL UNIVERSITY ACADEMIC CENTER (GUAC)

The General University Academic Center (GUAC) is an academic support unit organized to facilitate student assessment, placement, advisement, and orientation. **All newly admitted students to the University are co-assigned to GUAC, along 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. Through the Center, all freshmen and transfer students with fewer than 30 semester credit hours earned may be required to enroll in selected orientation/personal development courses that are not part of the programs of study for the various undergraduate degrees offered through the University. These courses are focused on preparing students for success at the University and beyond.**

The General University Academic Center 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)-313-7955.

THE FREDERICK DOUGLASS INSTITUTE HONORS PROGRAM

The Frederick Douglass Honors Program is a highly selective undergraduate program for academically prepared and highly motivated students. The program offers merit-based scholarships to students who have demonstrated extraordinary academic performance in high school. Scholars can major in any field of studies. The Program strives to combine the best of academics and activities for an incredible overall college experience.

Applicants must be first time freshmen with an A or B+ high school average, graduated in the top ten percent of their class and completed a rigorous high school course background. The selection process is highly competitive. Enrollment begins during the spring semester (February/March) and continues until spaces are filled. Applicants must meet all eligibility requirements for admission.

Douglass Scholars are required to maintain full-time enrollment. A minimum of 30 credit hours must be completed each academic school year. Scholars are required to maintain 3.25 semester and cumulative grade point averages to remain in good academic standing for the program.

Honors Program Scholarship Award Category.

Level 1	\$9,000 per year, minimum criteria:	high school grade point average of 3.70 top 5% class ranking SAT score of 1600 or ACT score of 25
Level 2	\$8,000 per year, minimum criteria:	high school grade point average of 3.50 top 10% class ranking SAT score of 1450 or ACT score of 23
Level 3	\$7,000 per year, minimum criteria:	high school grade point average of 3.40 top 15% class ranking SAT score of 1350 or ACT score of 21

For detailed information and program application, please visit the University Web Site and click on scholarships or contact the Honors Program Coordinator at 713-313-7458 or HonorsScholarship@tsu.edu.

THE ROBERT JAMES TERRY LIBRARY

The combined facilities of the Robert James Terry Library at Texas Southern University support the curricular and research needs of the University community through the development of pertinent collections and the provision of services designed to facilitate access to information. The principal research collections, numbering over 266,000 volumes, over 1,700 periodical subscriptions, and over 462,000 microforms, are housed in a centrally located facility providing seating for over 1,000 patrons. To augment study, a number of closed study rooms and individual study carrels are provided on most floors. With the exception of the special collections, the entire library has an open stack arrangement.

The Robert James Terry Library is conveniently arranged with three major public-access service areas on the first floor: reference, circulation, and special collections. The fifth floor contains the business and economics collection. The Library has automated circulation, cataloging, acquisitions, and serial control systems. Online public-access catalog terminals are located on each floor and in the College of Pharmacy and Health Sciences Reading Room. Computer based bibliographic search services offer over 200 databases. CD-ROM access to databases is also provided to students.

The Library provides interlibrary loan via direct link with most major libraries in the U.S. by means of the computer and telecommunications facilities of the OCLC bibliographic utility. Tours of the Library can be arranged to cover areas from general orientation to in-depth bibliographic instruction in specific fields of study. Electronic access to library files is available through the University Web Site.

Equipment has been added to comply with the Americans with Disabilities Act (ADA) requirements. Included are a closed circuit television system (CCTV), which can enlarge the size of printed material up to 60 times its original size, and a Kurzweil reader, which can scan printed material, convert the text to synthesized speech and read it aloud in seconds. On each floor of the Robert James Terry Library are tables which are designed to accommodate library users in wheelchairs. For users of computers, televisions, etc., there are screen enlargers available to enhance viewing. In the Reference Department, first floor, some reference materials are available in large print editions.

Finally, one of the unique features of the Library is its 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.**

FEES AND EXPENSES

Resident Status

Students enrolled at the University can be classified as resident, non-resident, or foreign. All students attending Texas Southern University who are non-residents 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. Non-residents are persons residing in the state of Texas less 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 fourth/twelfth 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, employed as a homemaker, or is living off his/her earnings, or through public assistance. Student employment, such as work-study, the receipt of stipends, fellowships or research or teaching assistanceships do 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 attests 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 full senior year 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 licenser, 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 non-resident 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 non-resident to evade the non-resident fee will be taken seriously and may lead to expulsion.**

Non-resident students are given official notice of their non-resident classification at the time of admission. A student who is classified as a non-resident but who pays the resident fee at any subsequent registration after he or she has been officially advised in writing of non-resident status will receive a penalty of loss of credit.

Tuition and Fees

The University reserves the right to adjust fees without prior notice. Tuition and regular fees paid by all students enrolled for any semester hours have been listed and are available through the Office of the University Comptroller. In addition to these, estimates of special laboratory fees and the cost of books and supplies must be added 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. Post-dated checks will not be accepted. There will be a \$25.00 charge for checks 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 non-resident 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 program. 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 during 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 Union 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 administration. **This fee is nonrefundable.**

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

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, 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 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 have need to park vehicles on the campus must pay for parking decals to attach to their vehicles for designated student lots. 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 Housing-Food 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, re-enroll at the University, or receive any refunds.

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.

The student will receive a Student Aid Report (SAR), which he should immediately review for errors and correct 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 cost of education, and the number of semesters of enrollment. **Students who already have B.A. or B.S. degrees or other types of four-year baccalaureate degrees 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 undergraduate students who are eligible to receive a Federal Pell Grant and demonstrate financial need. Students must be enrolled at least half time to be considered.

National SMART Grant

National SMART Grant requires the student to maintain a 3.00 GPA and enrolls in 12 hours per semester, be a Pell Grant recipient in certain Computer Science, Engineering, Critical Foreign Languages, Life Sciences, Mathematics, Physical Sciences, Technology, or Multidisciplinary Studies majors, and be a U.S. Citizen. Additional information on qualifications is available at <http://studentaid.ed.gov/>

Academic Competitive Grant (ACG)

Academic Competitive Grant requires the student to have completed a rigorous high school curriculum and enroll in a minimum of 12 hours per semester, must have graduated after January 1, 2006, must be a U.S. citizen and must be a Pell Grant recipient. Second year students must have graduated after January 1, 2005, be enrolled in a minimum of 12 hours and maintain a 3.00 GPA and must be a Pell Grant recipient.

Texas Public Education Grant (TPEG)

The Texas Public Education Grant is designed for Texas residents with established financial need. 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 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.

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

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 non-citizen.
- 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 math 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 contact the Office of Student Financial Assistance directly for pertinent information.

Scholarships

Upon admission to the University and completion of 24 semester credit hours or more, a student with a GPA of 3.25 or better may request an application for scholarship support from the Office of Student Financial Assistance (3100 Cleburne; Houston, Texas 77004-9987; 713-313-7071). 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 that operates in conjunction with the Office of Student Financial Assistance. The deadline for receipt of scholarship applications is announced by the Office of Student Financial Assistance at the beginning of each fall semester.

Outstanding high school students who have been newly admitted to the University are encouraged to apply for scholarships through the Douglass Institute 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. Job assignments are made on the basis of financial need, available positions, academic interest and skills, and student 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.

The Federal Family Educational Loan Program (FFELP) is offered through participating lending institutions and is designed for individuals who cannot qualify for programs with stricter need requirements, but who still have difficulty meeting college expenses. The interest rate is capped at 8.25 % and the variable interest rates are announced annually on July 1 by the U.S. Department of Education. Under this plan the student is responsible for choosing a bank or credit union that participates in the Federal Family Educational Loan Program (FFELP). Although the Office of Student Financial Assistance is involved in certifying a student's enrollment and recommending action, the lending institution makes the final decision.

The Texas Guaranteed Loan Corporation (TGSLC) is a public, non-profit corporation established by the Texas Legislature. This corporation was created to guarantee the funds distributed as part of the Federal Family Educational Loan Program (FFELP).

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

Financial Aid Tuition Deferment

Deferment of tuition payment is made available by the Office of Student Financial Assistance to students who meet the following requirements:

- Are admitted into an eligible academic program
- Are registered for a minimum of 6 credit hours
- Submit all supporting documentation including, but not limited to the verification worksheet, parent and/or student federal income tax returns, and other items required by the U.S. Department of Education prior to disbursement of Title IV aid
- Are in good standing and not in default on any federal loan
- Meet the minimum satisfactory academic requirements
- Have an official response to their Free Application for Federal Student Aid (FAFSA)

Transactions made after the processing of a deferment may result in additional charges. Students dropping and adding courses or receiving university bookstore credit based on expected financial aid should carefully monitor their student account. Students may view their account balance on-line or request an account summary from the Financial Services Department in the E. O. Bell Hall basement. Payment deadlines are posted on the TSU web site.

Students obtaining a tuition deferment may not have enough financial assistance to pay their outstanding account balance. Any student whose total charges exceeds anticipated aid should seek counseling from the Office of Student Financial Assistance or be prepared to pay the additional charges out of pocket by the published due dates.

FINANCIAL AID AND ASSISTANCE ELIGIBILITY

The Office of Student Financial Assistance makes every effort to insure that all awards and materials submitted remain confidential in accordance with the Buckley Family Right to Privacy Act of 1975. **In order to initiate the process of review for financial aid awards, students must be U.S. citizens or permanent residents and should do the following:**

1. **Secure admission to Texas Southern University through the Office of Admissions** via the process described in the next chapter of this document.
2. **Secure the U.S. Department of Education's Federal Application for Federal Student Aid (FAFSA)** from any high school counselor or any college/university financial aid office and complete and return it to the address indicated or, **preferably, apply online at www.fafsa.ed.gov**. (This step will eventually produce a Student Aid Report (SAR) that will be mailed directly to the student at his/her home address in approximately **eight to ten weeks**; for online submissions, this turnaround is **seven to ten business days**, and corrections can be made instantly.)
3. **Submit any supporting documentation that may be required to the Office of Student Financial Assistance, Texas Southern University, 3100 Cleburne; Houston, Texas 77004-9987 or 713-313-7071.**
4. **Make inquiries about scholarships available and submit applications, when qualifications are met**, after reading the preceding section on **scholarships** in this chapter of this bulletin. Additional information may be obtained electronically at www.tsu.edu.

Once all documents referenced have been received by the Office of Student Financial Assistance (or other designated office), the applicant will be considered for a possible financial aid award, financial assistance, or scholarship. A student who applies for financial aid or assistance and is not awarded at the time of registration **must be prepared to pay for tuition, fees, books, and housing** from personal funds as part of the registration process.

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). These standards are referenced in the next chapter of this document as academic regulations. In addition to these standards, a time frame requirement must also be met in conjunction with the SAP standards for eligibility. **Thus, in reality, three facets of the individual student record determine financial aid eligibility: credit hours (from SAP standards), grades (from SAP standards), 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). When time frame is combined with the University's SAP standards, reference is made in the document, generally, to financial aid SAP. When time frame is not a factor, reference is simply made to SAP at the University.

With regard to the **credit hours needed** to maintain eligibility, students receiving aid have their overall enrollments at the University reviewed once each year at the end of the spring semester to verify that they have earned a minimum number of credit hours for their academic classification (freshman, sophomore, etc.). With regard to the grades needed to maintain eligibility, students receiving aid must satisfy a cumulative grade point average (GPA) requirement each year. Their GPA must meet the minimum standards of their individual academic classifications.

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 for 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 probation with regard to the receipt of financial aid for their next semester of attendance if they fail to earn the minimum number of semester credit hours and/or achieve the minimum GPA required for their attendance status. 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. If these conditions are met, the probationary status will automatically be removed at the end of the semester for which probation has been imposed.

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 complete, at their own expense, a regular semester of work at the University as a student in the full-time, half-time, or less than half-time status in which they were originally suspended and attain the minimum number of semester credit hours and achieve the cumulative GPA required.

Exclusions

The following types of registration or grades can not 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, withdrawal (W), incomplete (I), in progress (R), unsatisfactory (U), and fail (F).

Additional Academic Requirements

If students apply 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 making application 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.

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.
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 late posting of grades should contact the Office of Student Financial Assistance once grades have been posted. A counselor will then review the situation and determine whether or not SAP requirements have been appropriately met.

Students who are placed on financial aid suspension because of GPA's and minimum semester credit hours earned that violate the financial aid SAP standards should submit a Satisfactory Academic Progress Appeal Form and a current Texas Southern University academic transcript to the Office of Student Financial Assistance for review. A counselor will render a decision after reviewing the documentation presented.

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) may appeal their financial aid status by submitting a Satisfactory Academic Progress Appeal Form, a current Texas Southern University academic transcript, and a letter of explanation to the Office of Student Financial Assistance. The letter of explanation should have supporting documentation attached. A counselor will review the appeal and render a decision based upon documentation provided.

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 Appeals Committee's decision.

REFUND DISBURSEMENT

All financial aid funds are disbursed by the Bursar's Office, not the Office of Student Financial Assistance; however, students who are awarded financial aid through the Office of Student Financial Assistance should stay in contact with that office regarding disbursement of funds. Funds will not be disbursed to students indebted to the University. The University refunds students' surplus monies to their designated bank account, or to debit E-cards for students who opted out of the of direct deposit to their bank account.

ADMISSION REQUIREMENTS, ENROLLMENT PROCEDURES, AND ACADEMIC REGULATIONS

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

Entering freshman applicants must have earned an overall “C” average (2.0 GPA on a 4.0 scale) in high school. All entering freshman applicants must submit either American College Test (ACT) or Scholastic Aptitude Test (SAT) scores. All entrants must meet the Texas Success Initiative requirements outlined below.

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. Obtain an application from the Texas Southern University Office of Undergraduate Admissions (at 3100 Cleburne Street; Houston, Texas 77004-9987, by calling 713-313-7071, or electronically at www.em.tsu.edu) and complete and return it along with the required, non-refundable application fee.
- B. Submit an official transcript from the accredited high school that (1) includes a date of graduation, (2) the student’s class ranking and, (3) for Texas high school graduates, indicates successful completion of either the Texas Assessment of Academic Skills (TAAS) examination or the Texas Assessment of Knowledge and Skills (TAKS) examination, **or**
- C. Submit an official GED Test Report that includes a minimum score of 40 on each part of the GED test, **or**
- D. Home-schooled students must submit, directly from their 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 since such students do not earn diplomas from the State of Texas.
- E. 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. Complete an application for admission, Parts A, B, and C.
NOTE: International students classified as Permanent Residents of the United States must supply certified copies of both front and back sides of their federal Permanent Resident Card along with the application for admission.
- B. Submit the required, non-refundable application fee. NOTE: Transient students may apply only for the summer terms; however, they must submit the requisite application fee.
- C. 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. Grades for all completed courses so indicated on the transcript(s);
Notations indicating “course in progress” are not acceptable.
2. The seal and signature of the registrar of the issuing institution
3. The transcript(s)’ date of issuance

A transcript evaluation is done only when a student has been accepted by the University and the student has requested an evaluation. Evaluations are done on a first come-first served basis. During periods of registration, evaluation generally require five (5) to seven (7) working days for processing. NOTE: No more than sixty-six (66) credit hours completed with grades of C or better from junior and community college may be transferred to Texas Southern University.

- D. 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 enrolled for college credits previously 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 Permanent Resident Cards along** with the application for admission.
- C. **Submit all specifically needed documents to the Office of Undergraduate Admissions, Texas Southern University (3100 Cleburne Street; Houston, Texas 77004-9987).**

(V) International students who have never previously enrolled for college credits or who wish to transfer from other accredited colleges or universities must

- A. Send **proof of graduation from high school (transfer students must only submit college transcripts)** either in conjunction with the application or separately to the Office of International Student Affairs.
- B. Obtain an application from the Office of International Student Affairs, Texas Southern University (3100 Cleburne Street; Houston, Texas 77004-9987) by calling 713-313-7896, and complete, and return it along with the required, non-refundable application fee.
- C. Provide a **financial support statement** either in conjunction with the application or send it separately to the Office of International Student Affairs.
- D. Provide **official proof of completion of the TOEFL examination** 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 officiality of transcripts is critical to the admissions process. It is the responsibility of all international students to have transcripts translated by an accredited company.
- G. NOTE: Upon their admission to the University, a health examination is required of all students. Questions about the health examination may be directed to the Office of International Student Affairs at (713)-313-7896.

(VI) Transient students who wish to attend only during the SUMMER TERMS must

- A. Obtain an application from the Texas Southern University Office of Undergraduate Admissions (3100 Cleburne Street; Houston, Texas 77004-9987) by calling 713-313-7071 or accessing it electronically at www.em.tsu.edu, complete it, and return it along with a required, non-refundable application fee.
- 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. Obtain a readmission application form from the Texas Southern University Office of Undergraduate Admissions (3100 Cleburne Street; Houston, Texas 77004-9987) by calling 713-313-7071, or accessing it electronically at www.em.tsu.edu, complete it, and return it along with the required, non-refundable readmission application fee.
- 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 all shall factor into consideration for admission.

Students who are admitted by the University, but fail to enroll for a given semester, may have their application information 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.

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 math 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 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

DEVELOPMENTAL STUDIES

The Developmental Education Program is designed to foster the academic and intellectual potential of students that will enable them to persist in their matriculation at Texas Southern University. Working in tandem with the General University Academic Center, the Program provides academic-based opportunities to enhance students' intellectual growth. The Program, organized to engage faculty, staff, and students in interactive teaching and learning, helps empower students to realize their intellectual capacities to the fullest extent possible.

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 GUAC 101 lab courses.

Students who do not meet minimum admission requirements must successfully complete a conditional, summer academic program prior to enrolling at the University. Students who are not successful in the conditional, summer program may transfer in to complete their studies at the University after completing two years of prescribed, transferable courses at a community college.

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.

All entering freshmen and transfer students with fewer than 30 earned credits may be required to enroll in Sociology 211, a one-credit orientation course.

Entering students should contact the General University Academic Center (GUAC), Texas Southern University, 3100 Cleburne, Houston, Texas 77004, (713)-313-7955.

TRANSFER CREDIT

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. 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 college 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 on the evaluation request, and may also be bound by policies set by the University's individual schools and colleges.

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 and dean of the student's major department 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 5, Subchapter S, Sections 5.390 to 5.393 and 5.400 to 5.405. 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. A receiving institution shall also provide written notice of the reasons for denying credit for a particular course or set of courses at the request of the sending institution.
 2. A student who receives notice as specified in (1) 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

Texas Higher Education Coordinating 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 of Higher Education or the 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 here.
- d. The Texas Higher Education Coordinating 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 of Higher Education, 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 section, students may not receive any credit for courses undertaken ten (10) or more years ago prior to enrollment under this section.

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 the applicant is eligible for an academic fresh start in consultation with the University Registrar with his or her final decision communicated 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 the General University Academic Center (GUAC) 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.

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 payment of a transcript fee to process the request.

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. 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.

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 students once they have passed the ASSET examination 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 ASSET responsible students who have not declared majors are advised in the General University Academic Center 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 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 sixth 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 Registrar's 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 preserve their grade reports for use by counselors in preparing their schedules each semester.

Registration is not complete and nobody with unpaid fees is entitled to University privileges. Each student should bring 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.

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 alternative 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.

CREDIT BY EXAMINATION

Through a program of examinations in undergraduate courses, 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. Credit by examination is allowable in certain courses in which proficiency can be practicably determined by examination. However, credit by examination is allowable only for those courses that are listed in the current TSU Undergraduate Bulletin. 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.

Approved Examinations

Credit may be earned through the successful completion of one or more of the following examinations: College Entrance Examination Board (CEEB) specified achievement tests; CEEB Advanced Placement Examinations that are part of the Advanced Placement Examinations (APP)*; CEEB College Level Examination Program (CLEP); International Baccalaureate Examinations (IB)*; Modern Language Association Cooperative Foreign Language Examinations; departmental examinations prepared, administered and scored by Texas Southern University faculty members who teach the applicable course(s). In addition to any of the above, a department may require an essay and/or a laboratory and/or an oral examination.

*APP and IB examinations are normally taken while the student is in high school, preferably in the spring before expected college enrollment. Information on these examinations is available in high schools though the principals or the counselors. High school students may also take CLEP examinations.

Hours Permissible

As many as 30 hours of credit may be earned through the successful completion of the nationally used examinations listed above. These examinations may be administered by Texas Southern University; however, applications should be submitted and the examination fee paid directly to the Examination Board.

- As many as 15 hours of credit may be earned through successful completion of departmental examinations.
- More than a combination of the above allotted credit hours may be considered on an individual basis.

Acceptable Scores and Credits

The minimum score for earning credit by examination may vary from examination to examination or by the requirements of the responsible department.

Advanced Placement and International Baccalaureate Examination scores are accepted only for a beginning freshman or a student who has not received credit for these examinations at another college or university. Official reports must be received before credit is awarded. If an official transcript from another college or university from which a student has transferred indicates the credit awarded, then the credit may be awarded.

No credits from any examination are posted or recorded until the student is properly enrolled in Texas Southern University and has successfully completed at least one semester.

The following policies apply to credit by examination:

- A student may not receive credit by nationally used standardized or departmental examination for a course if he or she is currently enrolled in or has previously audited, attempted, successfully completed, or failed that course or one closely aligned with the examination at this or another institution. Further, credit will not be given when the student has credit for courses at a more advanced level than that of the examination, e.g., a course for which this course is a prerequisite.
- Credit by examination may not be used to satisfy residence requirements for a degree.
- A grade of Pass (P) will be given for credit earned by examination; however, such grades are not used in determining a student's grade point average. If an unsatisfactory score is achieved, the examination is not reflected on the student's academic record. An examination may be taken no more than twice,

The following additional policies apply to credit by examination in a foreign language:

- A student may receive credit by examination in a foreign language only if that language is being taught by Texas Southern University or, if by transfer credit, by the college or university awarding credit.
- A student receiving credit by examination in a foreign language may use that credit for electives if a foreign language is not required in his or her degree program. If a foreign language is required, then he or she must enroll in the course sequence above that for which he or she is given credit.
- If a departmental examination is administered, then it must hold the student accountable for reading, speaking, and writing proficiency.

Fees

For departmental examinations the administration fee is \$25.00 per course credit hour. Fees for nationally used examinations are set by the originating board.

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 load. 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 table below.

	Undergraduate Fall/Spring	Undergraduate 6-week Summer term	Graduate Fall/Spring	Graduate 6-week Summer term
Full-time	12	6	9	6
3/4 time	9-11	4-5	7-8	4-5
1/2 time	6-8	3	6	3
Less than 1/2 time	4-5	0-2	0-5	0-2
1/4 time	1-3	X	X	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

Students should regularly attend class. Students are responsible for all coursework, including taking exams as scheduled and completing all assignments, and instructors are not obligated to give any "make-up work." An instructor may, prior to the term purge date, administratively drop from his class any student with unexcused absences of over 10 percent of the instruction hours for the term. Instructors may define attendance rules for individual classes; in general, class attendance shall not count for more than 10 percent of the grade.

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 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)

Changes in class schedules may be made by a student when approved by his faculty advisor and by 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 a 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 12 days of any semester or the first 4 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 Texas 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 due to nonpayment may petition for reinstatement if and only if extraordinary circumstances prevail. Students may obtain the prescribed form in the Office of Enrollment Services, and must return the petition with evidence of suitable payment options. Enrollment Services 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 while 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

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	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	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
R	In Progress	0
S	Satisfactory	0
U	Unsatisfactory	0
W	Withdrawal	0
WT	Withdrawal, Test Requirement NOT 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 since hours attempted, hours earned, and quality points earned will not be entered in cumulative totals.
5. The grade "I" is given only when a student's work is satisfactory in quality, but due to 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 of “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

Good academic standing is defined as academic performance that meets or exceeds the requirements for Satisfactory Academic Progress at the University. Academic progress is assessed each semester. The Satisfactory Academic Progress Policy encompasses the requirements for Satisfactory Academic Progress standards needed to qualify for financial assistance as stipulated in the Education Amendments of 1980 (P.L. 96-374) under section 484. This issue was addressed in the previous chapter of this document under **Financial Aid and Assistance Eligibility**. Although the University’s Satisfactory Academic Progress Policy includes academic standards for financial aid eligibility, the financial aid standards have a companion time frame component or requirement, established by the Office of Financial Aid. This time frame requirement is not part of the overall University policy.

Undergraduate and post-baccalaureate students are expected to maintain a 2.00 cumulative GPA (C average), the minimum permitted for graduation. They are subject to scholastic action in any term in which they attempt any semester hours. Summer sessions each are considered a unit equivalent to a semester. **Students are eligible to participate in extracurricular activities only when in good standing.**

Good Standing: Students with a semester GPA and cumulative GPA of 2.00 or above are in good standing.

Academic Notice: Freshman students earning a first-semester GPA below 2.00 are placed on academic notice. New students are encouraged to take a moderate course load in their first semester. Students on academic notice **must** get advisement in the General University Academic Center (GUAC) or their major department.

Academic Probation: Students in good standing earning a semester GPA or cumulative GPA below 2.00 are placed on academic probation. They may register for only up to 12 hours. Freshman and sophomore students on academic probation are urged to seek advisement in the General University Academic Center (GUAC) or their major department.

Continued Probation: Students on academic probation or academic notice, earning a semester GPA or cumulative GPA below 2.00, are placed on continued probation. They may register for only up to 12 hours, after meeting with their academic dean, and must submit to individual monitoring.

Suspension: Students on continued probation earning a semester GPA below 2.00 are suspended for one academic year.

- a. The first academic suspension is for a period of **at least** one year (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 spring.
 2. Students placed on academic suspension at the end of a spring semester are not eligible to re-enroll until the following summer.
 3. Students placed on academic suspension at the end of a summer session are not eligible to re-enroll until the following fall.
- b. Students are ineligible to enroll at Texas Southern University after a second academic suspension.

Students on continued probation earning a cumulative GPA below 2.00 and a semester GPA of 2.00 or above will remain on continued probation.

Visiting summer students are not subject to academic probation or suspension. Upon their admittance as regular students, however, all grades earned contribute to their academic progress assessment.

Without regard to these regulations, the dean of a college may place on academic probation, retain on probation, or suspend any majors in that college whose academic records are deficient. The dean also may remove from academic probation or academic suspension any majors in the college whose academic progress warrants such action.

Readmission from Academic Suspension

- a. Only the dean of the college may readmit students on academic suspension from the Texas Southern University. Only the Director of the General University Academic Center (GUAC) may readmit “Test Responsible” students.
- b. Readmission from academic suspension is neither automatic nor guaranteed. Students seeking readmission must submit to the dean of the college in which they wish to earn their degrees:
 1. A written petition justifying their readiness to resume their studies at the University.
 2. Transcripts showing at least a 2.00 grade point average on all college work completed elsewhere while on academic suspension from the Texas Southern University.
 3. Transcripts of all other completed college work.
- c. 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.

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

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; no grades earned below “B”; and no 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 only when written permission 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 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 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.

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. Exceptions to this rule may be made at the discretion of the respective 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 specially 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. 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. the assignment of a grade was 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

- a. **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 he or she 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.
- b. **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
 1. the student has submitted the same or substantially the same complaint to any other grade review procedure,
 2. the appeal is **not timely, or**
 3. the student has not conferred with the instructor or department chair before filing the appeal.
- c. **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.**
- d. **Work toward a mutually agreeable solution in concert with the committee and the instructor.** If a mutually agree-

able 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, non-adversarial 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 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

1. directing the instructor to re-grade the student's work,
2. directing the instructor to administer a new final examination or paper in the course,
3. directing the cancellation of the student's registration in the course, or
4. 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 plus 4 SCH selected from one of the following 8 choices (4 SCH ea.): 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__ plus 3 SCH selected from one of the following choices (3 SCH ea.): 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 plus 3 SCH selected from one of the following 8 choices (3 SCH ea.): 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	COSC 1300 MUSI 1302
TOTAL	44		

* SCH stands for semester credit hours.

** TSU stands for Texas Southern University.

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

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 of 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 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. 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 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, and due and payable at the time of 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, August and December for students who qualify for graduation from Texas Southern University. All such students are expected to participate in one of these three exercises, as appropriate.

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.

Second Baccalaureate Degree

A student who has received a bachelor's degree from Texas Southern University or another accredited college or university may enroll in a program leading to a second degree at the same level provided (1) the major field is different from that of the first degree and (2) the appropriate application for admission or re-admission is filed and approved. No honors are awarded for a second baccalaureate degree. Students seeking a second baccalaureate degree after receiving the first degree must (1) complete a minimum of thirty (30) semester hours beyond those applied to the first or previous degree, excluding transfer credits or substitutions and complying with requirements; (2) be in residence for a minimum of two (2) semesters as a full-time student if the first or previous degree was not earned at Texas Southern University; and (3) achieve a cumulative minimum grade point average of 2.00 for all hours attempted for the degree.

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.

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 days of class during a summer term. These written notices must be given 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.**

STUDENT SERVICES

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. The UCC also offers consultation, education, training, and prevention strategies to faculty, staff, and the University community, and seeks to encourage an environment of inclusion and personal development.

Confidential counseling services are made available for all currently enrolled TSU students at no charge. 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, individual, couples, group, consultation, referral, 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, and this range of disciplines allows the staff to provide quality counseling, integrated care, referrals, consultation, and training. All UCC staff are trained and experienced in managing issues facing university students.

The UCC is located in 147 Fairchild Hall. 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

The Student Health Service 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 8:00am-5:00pm. The physician is available from 3:00pm-5:00pm 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 your medical record without your written consent or a court ordered subpoena. A federal regulation, "HIPAA" (Health Insurance Portability and Accountability Act), requires 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 campus wide. The pamphlet on HIV infection developed by the Texas Department of Health is available.

STUDENT GRIEVANCES

Notice of Title IX Coordinator

Advisement on matters related to Title IX is readily available in the Office of General Counsel. Although informal resolution is in most cases highly desirable to any parties involved, any claims based on a violation of Title IX should be directed to the Texas Southern University Title IX Coordinator:

Title IX Coordinator
Office of General Counsel
Texas Southern University
3100 Cleburne Street
Houston, Texas 77004-9987

The Title IX Coordinator may be reached in the Office of General Counsel, 310 Hannah Hall, by phone at (713) 313-7950, or by fax at (713) 313-1906.

Title IX Student Grievance Procedure

Title VI of the Civil Rights Act prohibits discrimination on the basis of race, color or national origin in programs or activities receiving federal financial assistance. Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex in educational programs or activities that receive federal financial assistance. It is the policy of Texas Southern University not to discriminate on the basis of race, color, national origin or sex in its educational programs, activities, or employment.

The following procedure governs any case in which a student has a complaint, including but not limited to a complaint, of discrimination on the basis of race, sex, sexual orientation, color, religion, and national or ethnic origin, against a member of the faculty, staff or administration of Texas Southern University. It shall not be utilized for sexual harassment complaints. Sexual harassment complaints shall be resolved pursuant to Texas Southern University's Sexual Harassment Policy and Sexual Harassment Investigative Procedure.

Inasmuch as an instructor's evaluation of the quality of a student's work is final, this procedure does not apply in any dispute about a grade assigned to a student by a member of the faculty unless it is alleged that the determination of the grade resulted from discrimination based on race, sex, sexual orientation, color, religion, or national or ethnic origin. Similarly, this procedure does not apply to any matter inherent in the academic freedom of an instructor, such as the syllabus or contents of a course of instruction. The procedure may not be used to complain about the quality of a course or the quality of instruction in a course. Such concerns should be addressed directly to the department in question.

A. Informal resolution. If at all possible, the student with a complaint (Complainant) is encouraged to bring a problem directly to the attention of the person whose actions he or she has found to be objectionable. Whether or not this is done, the Complainant may seek assistance and advice on how to secure an equitable solution of the problem from any administrator or faculty member of any school.

B. Filing of a written complaint. If the problem cannot be resolved by informal discussion or if the Complainant has chosen not to discuss the matter informally, the Complainant should submit a letter to the Office of the Dean of Students describing the complaint and the facts upon which it is based (insofar as the facts are known to the Complainant), specifying the issue or issues in question and indicating what redress or resolution of the grievance is sought. The complaint should be brought to the attention of the dean of students as soon as possible after the action giving rise to it, but in no case may a complaint be submitted later than forty-five (45) days after the action upon which it is based.

The dean of students shall investigate within three (3) weeks after the submission of the complaint and may try to resolve the complaint informally. At the Complainant's request, the dean of students may agree to discuss informally the complaint with the person complained against without identifying the Complainant; however, further investigation will not be undertaken until the Complainant is ready to be identified. If the complaint has not been resolved within this three-week period, the dean of students shall refer it to the Student Services Advisory Committee on Student Grievances ("Advisory Committee") unless the Complainant indicates that he or she does not desire such a referral, in which case the complaint shall be dismissed. Within twenty-one (21) days of receipt of the referral from the dean of students, the chair of the Advisory Committee shall convene a hearing attended by the parties to the complaint to hear the complaint.

C. Review by the Dean of Student's Advisory Committee on Student Grievances

- 1. Composition.** The Advisory Committee shall be composed of five (5) members appointed by the provost. The Advisory Committee shall be a standing committee with members appointed annually at the beginning of the academic year. One student member and at least two faculty members shall be appointed to the committee. The remaining two members may be administrators, faculty members, or other individuals employed by the University. The committee shall elect a chair from among its members.

The dean of students shall serve as an ex-officio non-voting member of the committee and will participate fully in the committee's deliberations. The dean of students will be available to conduct such further investigation, as the committee deems appropriate.

Members of the committee who may be directly involved in the subject matter of any complaint are to recuse themselves during the review of that complaint. The Complainant and the person against whom the complaint is lodged shall have the right to challenge individual members of the Advisory Committee where such challenge is based on cause (e.g., close personal contact with one of the parties), but peremptory challenges will not be entertained. The Advisory Committee, excluding that person being challenged, will decide the disputed issues in cases of challenge, and its decision will not be subject to appeal. When members are excused or are otherwise unavailable to participate in the deliberations or have been successfully challenged for cause, the provost will designate appropriate substitutes to serve for the duration of the pending case.

- 2. Deliberations.** The Advisory Committee shall inform both parties in writing that it is reviewing the complaint. The person against whom the complaint has been lodged will be given a copy of the Complainant's letter describing the complaint if this has not already been done. Reasonable time (in no case less than one week and ordinarily within two weeks) is to be allowed between the receipt of the written notification and the date of the commencement of the review in order to provide the participants time to prepare for a meeting with the committee if either of the parties or the committee wishes it.

At the Advisory Committee hearing, the Complainant and the person complained against may each be accompanied by a member of the Texas Southern community (i.e., student, faculty member, administrator, or other employee of the University); however, these advisors may not act as legal representatives for the Complainant. These proceedings are non-adversarial in nature, and the advisors, although they may counsel the individual whom they are accompanying, may not participate directly in the proceedings.

The Complainant and the person complained of will have the opportunity to present information and witnesses deemed relevant by the Committee. The committee chair shall decide in the event of a disagreement regarding relevant witnesses or information. All documents considered by the Committee that relate to the actions of the person against whom the complaint has been filed may be inspected by that person. The Complainant will be permitted to inspect those documents or parts of documents directly relating to the Complainant's specific complaint that the committee deems relevant and concludes were not written under a presumption of confidentiality. Ordinarily both parties may be present when either party or any witness is being interviewed; however, the Committee may enter into closed session with or without one or both parties upon the vote of a majority of the members of the Committee (except that when any witness is being interviewed either both or none of the parties will be present as the Committee deems appropriate).

The Advisory Committee, having thus conducted its inquiry and having interviewed whatever further witnesses it deems necessary, will then deliberate without the presence of the parties and will, within twenty-one (21) days from the date of conclusion of the hearing, prepare and adopt a written report (1) stating its findings of fact and the conclusion, if any, it has drawn from these facts and (2) including a summary of the substance of testimony that the Advisory Committee has relied on in reaching its conclusions and that was heard in closed session if allowed by law. In a separate section of the report, the Committee may outline what actions, if any, it recommends be undertaken by the University to resolve the matter. The report of the Committee will be adopted only upon the majority vote of the members of the Committee who participated in the Advisory Committee's inquiry.

The Complainant may challenge the appropriateness of the provost as the final arbiter of the complaint but must do so before the Committee's investigation has concluded. If it is shown by the Complainant to the Committee's satisfaction that the provost cannot fairly decide the matter, then the Committee shall so inform both the parties and the provost, and the Committee shall submit its report to the president, or his or her designee, who will substitute for the provost in the resolution of the complaint.

D. Final Resolution of the Complaint by the Provost. The Committee will submit its report to the provost ordinarily within seven (7) days after adoption by the Committee. The dean of students will permit the Complainant and the person against whom the complaint was lodged to inspect the Committee's findings of fact, conclusions, and summary of testimony in the report. Because the report is a confidential document advisory to the provost, only the provost is entitled to a copy of it. Neither of the parties is entitled to a copy of the report. The confidentiality of the report shall be maintained in accordance with the Family Educational Rights and Privacy Act and any other applicable state or federal law.

The provost shall accept the Committee's findings of fact unless the provost believes that the findings are not substantiated by the evidence presented to the Committee. The provost may accept, modify, or reject the conclusions of the Committee and any recommendations it might have made. However, in any case where the provost does not believe it is appropriate to follow the recommended actions of the Committee, the provost will discuss the matter with the Committee and explain the reasons for not doing so. The provost will then make a decision on the matter and convey his or her decision in writing to the Complainant, the person against whom the grievance was lodged, and the Committee; the provost's decision will include his or her conclusions about the issues raised in the complaint and the remedies and sanctions, if any, to be imposed.

The provost's decision shall be final. The provost's decision may be to take any actions as may be within his or her authority (e.g., issue any oral or written warning or reprimand to the individual against whom the complaint was lodged; permit a Complainant to participate in an educational program or activity; institute academically appropriate procedures whereby a Complainant's grade may be reviewed). If the remedy deemed appropriate by the provost is beyond his or her authority, the provost will recommend the initiation of such action (disciplinary or otherwise) in accordance with applicable University practices and procedures.

The Provost's decision should ordinarily be rendered within thirty (30) days after the provost receives the Committee's report.

E. Time Guidelines. If Texas Southern University is not in session during part of these proceedings or in instances where additional time may be required because of the complexity of the case or unavailability of the parties or witnesses, any of the time periods specified herein may be extended by the provost. If a period is extended, the Complainant and the person against whom the complaint has been filed will be so informed.

F. Retaliation is Prohibited. It is contrary to state and federal civil rights laws and to University policy to retaliate against any person for asserting his or 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) is grounds for a subsequent claim by that person under the University's Retaliation Policy and Investigation Procedure. If a Complainant believes that he or she has been retaliated against as a result of filing a grievance, he or she may pursue a separate complaint charging retaliation by means of the University's Retaliation Investigation Procedure.

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) engaging 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 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 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.
3. 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.
4. 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.
5. 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.
6. 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 recipient's 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 an accommodation would impose an undue hardship, 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 shall be made accessible to all students and employees concerning ADA and Section 504 related information. This 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, Human Resources, Thurgood Marshall Law School, Maintenance and Operations, Department of Special Events and three (3) members from the student and faculty body, totaling nine (9) members for the Oversight Committee.

The Oversight Committee will ensure that TSU will make 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 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 (3) students, two (2) faculty members and two (2) administrator/staff members. The two (2) 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. 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 (ODSS). 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. 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 accommodation and services may initiate a request for accommodation(s) by contacting the ODSS in the Fairchild Building, Room 145. Individuals 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. Individuals may be asked to submit additional medical information if the information previously provided is incomplete, unclear, or inconsistent, according to the guidelines set forth by the ODSS.

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 ODSS and may include additional information. The ODSS and/or its consultant will review the determination and consider any additional information. The ODSS will then issue a written notice of reconsideration of the student's request. If a student is still dissatisfied with the determination, he or she may file an ADA complaint under the procedures outlined in Section II below.

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 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 the:

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 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 insure 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. Either party may request in writing at least ten (10) working days prior to the hearing 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 the:

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.

OFFICE OF VETERAN AFFAIRS AND THE RESERVE OFFICERS' TRAINING CORPS (ROTC) PROGRAMS

The Office of Veteran Affairs functions as part of the Office of the University Registrar and supports the educational process of persons who have served in the Armed Forces of the United States and who are eligible for educational benefits at the University. The office provides counseling to facilitate acquiring benefits from the Veterans' Administration, and advisement for the Reserve Officers' Training Corps (ROTC) Programs of the U.S. Army and U.S. Air Force. The office may be contacted by calling (713)-313-7071. Of special note is the fact that students who participate in either ROTC Program at Texas Southern University are also cross-enrolled at the University of Houston.

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. Academic degrees may be pursued in such fields as accounting, chemistry, history, etc.; however, they will not be 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 the 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.

As referenced earlier in this document, scholarships are available to students participating in the U. S. Army ROTC program. Detailed information on these scholarships, including the Green to Gold scholarships referenced above, may be obtained by calling (713)-743-3875 or on-line at 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. 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 on-line at www.uh.edu/afrotc.

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.

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 a minimum cumulative GPA of 2.5, successfully passing the physical fitness test and Air Force Officer Qualifying Test and a physical. 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 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.

Summary

For more information call the Unit Admissions Officer at 713-743-4932/3703 or visit the University of Houston Air Force Web Site at www.uh.edu/afrotc.

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 of all staff, faculty, and administrators. Realizing that students are striving to achieve a quality education and prepare to enter the work force, alcohol and other drugs often become a part of their social interaction. 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. This amendment states that the SAPEI program "is to be accessible to any officer, employee, or student at this institution." 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 to educate our students, but primarily does via classroom presentations, dissemination of educational materials (pamphlets, brochures), campus-wide observances (i.e., National Collegiate Alcohol Awareness Week, health fairs, etc.), and co-sponsoring programs with various student organizations on campus. Individual, family, and group counseling are provided at no charge to all currently enrolled students.

SAPEI is located in the main office of the University Counseling Center, 147 Fairchild Hall. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call SAPEI via telephone at 713-313-7800, either to make an appointment or for additional information.

COOPERATIVE EDUCATION AND PLACEMENT SERVICES CENTER

Cooperative Education and Placement Services has the major objective of assisting students and alumni with their employment related needs. The Career Services staff seeks to assist students with choosing their major and career interests, gaining relevant work experience, as well as providing guidance in their full-time professional job search, through 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 focus 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 internship, cooperative education, or full-time employment opportunities, Cooperative Education and Placement Services is dedicated to providing each organization personal and prompt service.

Whether you are a student, alumni, or employer, Cooperative Education and Placement Services is committed to assisting you in meeting your goals. The Center is located in 150 Fairchild Hall. For further information, students should call (713)-313-7346.

UNIVERSITY TESTING SERVICES

Through the University Testing Services program, the following functions and services are rendered:

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

The University Testing Services program offers two specific programs: national testing programs and institutional testing pro-

grams.

- 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
 - Medical College Admission Test (MCAT)
 - Law School Admission Test (LSAT)
 - General Education Development (GED) Test
 - Test of Spoken English (TSE)
- 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 (i.e., 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 a copier, computers, laptops, printers, and the internet.

SSSP 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 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 E.O. Bell Hall, Suite 129.

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.

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.

Along with the 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 a deposit is required. Any student with a contract who does not return for the spring semester will forfeit his or her housing deposit. The deposit will also be forfeited if the student cancels his or her contract after residence halls open for one of the semesters covered by the contract. The deposit is refundable when the student cannot be accommodated. All student requests for refunds of deposits must be made in writing at the end of the contract year, but before the residence halls open for the first summer term of the academic year for which the deposit was made. Refunds are made after verifying that the housing balance has been paid in full, room 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 "first come, first served" basis. 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 semester, 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.

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.

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 in 126 Lanier West, 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 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.

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, certifies over seventy (70) campus organizations each year 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.



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, **four undergraduate degrees and two graduate degrees are offered. The four undergraduate degrees are the Bachelor of Business Administration in Accounting, the Bachelor of Business Administration in Finance, the Bachelor of Business Administration in Management, and the Bachelor of Business Administration in Marketing. The two graduate degrees are the Master of Business Administration in Business Administration and the Master of Science in Management Information Systems. The Bachelor of Business Administration in Accounting and Bachelor of Business Administration in Finance are administered through the Department of Accounting and Finance while the remaining two 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, two faculty 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 at Texas Southern University aims to be recognized as the premier business school in providing a high quality, ethnically diverse workforce for businesses throughout the Houston Metropolitan area.

Mission

The mission of the School of Business, as a major HBCU located in a leading global business environment, is to provide quality education for employment in a globally diverse job market through innovative, active and experiential teaching and disciplined student learning.

Research, especially pedagogical and discipline based, is seen as complementary to effective and innovative teaching as well as appropriate faculty development.

The School, especially through its outreach centers, is also committed to cultivating partnerships with corporate executives and entrepreneurs, businesses, government and other institutions and organizations to foster economic development and address urban issues, especially diversity in employment

Core Values

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

Academic Excellence Diversity
Business Professionalism Ethical Behavior

ADMISSION POLICIES

General Information

Admission to the Jesse H. Jones School of Business is governed by the policies established for the Office of the University Director of Admissions 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.

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 52,000 volumes and subscribes to more than 450 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. The DIALOG Information Retrieval Service provides more than 320 databases in a broad scope of disciplines. For the faculty, the Houston Area Research Library Consortium provides access to seven other Houston area medical and university libraries, including Rice University and the University of Houston.

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 enter 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

Courses in Accounting (ACCT), Business Law, and Finance (FIN) at both the undergraduate and graduate levels are offered through the Department of Accounting and Finance. **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. A minor in Accounting and a minor in Finance are also offered at the undergraduate level. Members of the department are located on the third floor of the Jesse H. Jones 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 in Accounting and in Finance are summarized below, including exact course requirements (and their sequencing) and credits needed for graduation. In pursuing a degree in Accounting or in Finance, a total of 120 semester credit hours are required, and **students are not required to declare a minor in another academic discipline.** There are three possible minors in the School of Business: Accounting, Finance and Business Administration. Students seeking a minor in Business Administration should consult the next major section of this document. Students seeking either a major or a minor in Accounting or in Finance must first gain admission to the Department through procedures outlined below.

For students majoring in other academic disciplines who wish to pursue a minor in Accounting, the following courses, totaling twenty-four (24) semester credit hours for which grades of C or better must be earned, are required for completion of this minor: ACCT 231 (3 semester credit hours); ACCT 232 (3 semester credit hours); ACCT 331 (3 semester credit hours); ACCT 332 (3 semester credit hours); six elective credit hours in ACCT at the 300-level or 400-level; BADM 234 (3 semester credit hours); and MGMT 300 (3 semester credit hours).

For students majoring in other academic disciplines who wish to pursue a minor in Finance, the following courses, totaling twenty-four (24) semester credit hours for which grades of “C” or better must be earned, are required for completion of the minor: FIN 301 (3 semester credit hours); ACCT 231 (3 semester credit hours); ACCT 232 (3 semester credit hours); FIN 312 (3 semester credit hours); FIN 403 (3 semester credit hours); and nine elective credit hours in FIN at the 300-level or 400-level. **Students are cautioned that grades of C- do not fulfill grade requirements for these credits.** Before pursuing either minor, students must gain admission to the Department through the procedure outlined below. Students must also meet prerequisites for courses required as described in course descriptions below.

Students wishing to pursue a major in Accounting or in Finance, or a minor in Accounting or in Finance, must petition for admission to the Department of Accounting and Finance through the Office of Business Student Services. The appropriate forms are available in the Office of Business Student Services in the Jesse H. Jones School of Business located in Suite 117. Transfer students must meet all admission requirements of the University, be in good standing at former institutions attended, and have met ASSET requirements 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 General University Academic Center (or GUAC). 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.

Graduation requirements include the following: (1) grades of C or better in all major courses (grades of C- are unacceptable); (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 in all major courses of 2.50 or better.

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. Prior to sitting for the CPA examination, students can earn hours above those required to earn an undergraduate degree through either the undergraduate course offerings or the Master of Business Administration (MBA) program as described in **the Graduate School Bulletin of Texas Southern University**.

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

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 in Finance as specified in this section; (3) satisfy ASSET requirements through the General University Academic Center (or GUAC); and (4) apply for admission to the Department as either an Accounting or Finance major or an Accounting or Finance 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.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Ayadi, O. Felix Professor B.S., M.S., University of Lagos Ph.D., University of Mississippi</p>	<p>Nal, Osman Assistant Professor B.Sc., Bilkent University M.A., Ph.D., Rice University</p>
<p>Boyd, Joseph L. Professor B.S., M.S., Ph.D. University of South Carolina CPA</p>	<p>O, Sewon Assistant Professor B.A., Yonsei University M.S., Ph.D., Mississippi State University</p>
<p>Chatterjee, Amitava Professor B.S., M.S., University of Calcutta Ph.D., University of Mississippi</p>	<p>Perkins, Carlton Assistant Professor B.S., Norfolk State College M.B.A., J.D., Texas Southern University CPA</p>
<p>Hyman, Ladelle M. Professor B.S., University of Arkansas M.B.A., University of Arkansas M.A.S., University of Illinois Ph.D., North Texas State University CPA</p>	<p>Pitre, Richard Professor B.S., Southern University M.B.A., Atlanta University Ph.D., University of Houston CPA</p>
<p>Iqbal, Zahid Professor Bachelor of Commerce, University of Dhaka M.B.A., East Tennessee State University Ph.D., University of North Texas</p>	<p>Tai, Chu-Sheng Associate Professor B.S., National Cheng Kung University M.S., Golden Gate University M.A., M.A.S., Ph.D., Ohio State University</p>
<p>Malone, Fannie L. Professor B.B.A., University of Houston M.S., University of Houston Ph.D., Texas A & M University CPA</p>	<p>Wang, Kun Assistant Professor B.S., Southwest Missouri State University J.D., University</p>

ACCT 431	Advanced Accounting (3)	Accounting for mergers and acquisitions, partnership formation and liquidation, and multinational accounting. Three hours of lecture per week. Prerequisite: ACCT 331 with a grade of C or better and ACCT 332 with a grade of C or better.
ACCT 433	Auditing (3)	Introduction to general auditing objectives and study of auditing principles, techniques, and internal controls. Prerequisite: 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.
ACCT 436	Federal Income Tax Accounting II (3)	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.
ACCT 438	Governmental and Not-For-Profit Accounting (3)	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.
ACCT 445	Contemporary Topics in Accounting (3)	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.
ACCT 446	Accounting Internship (3)	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

FIN 300	Personal Finance (3)	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.
FIN 301	Basic Financial Management (3)	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.
FIN 302	Management of Financial Institutions (3)	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.
FIN 303	Treasury Management (3)	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 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 411 Advanced Topics in Investments (3)**
Methods of investment analysis and selection; analysis of options, futures, and convertible securities; term structure of interest rate with portfolio theory and management. Three hours of lecture per week. Prerequisites: FIN 301 and FIN 312.
- 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.

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.

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 132 Freshman English II	3
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	PSY 131 Introduction to Psychology	3
MATH 133 College Algebra	3	SOC 157 Introduction to Sociology	3
Natural Science	4	SC 135 Business & Professional Communication	3
	16 hrs		15 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
BADM 230 Advanced Communication Skills	3	BADM 234 Legal & Regulatory Envir of Bus	3
ECON 231 Principles of Economics I	3	ECON 232 Principles of Economics II	3
MUSI 239 Fine Arts in Daily Living	3	ENG 200 Literature	3
Natural Science	4	MGSC 239 Business Statistics I	3
	16 hrs		15 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
ACCT 331 Intermediate Accounting I	3	ACCT 300 Information Systems	3
FIN 301 Basic Financial Management	3	ACCT 332 Intermediate Accounting II	3
MGMT 300 Principles of Management	3	ACCT 334 Federal Income Tax	3
HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	15 hrs		15 hrs

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
MGSC 302 Operations Management I	3	General Ed Elective	4
MKTG 306 Principles of Marketing	3		
	15 hrs		13 hrs

BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN ACCOUNTING
FIVE-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
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	PSY 131 Introduction to Psychology	3
MATH 133 College Algebra	3		3
	12 hrs		12 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
ECON 231 Principles of Economics I	3	BADM 230 Advanced Communication Skills	3
Natural Science	4	ECON 232 Principles of Economic II	3
SC 135 Bus & Professional Communication	3	Natural Science	4
	13 hrs		13 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
BADM 234 Legal & Regulatory Envir of Bus	3	POLS 231 American Political Systems I	3
ENG 200 Literature	3	MGSC 239 Business Statistics I	3
SOC 157 introduction to Sociology	3	HIST 232 Social & Political History II	3
HIST 231 Social & Political History I	3	MGSC 302 Operations Management II	3
	12 hrs		12 hrs

FOURTH YEAR			
SEVENTH SEMESTER		EIGHTH SEMESTER	
FIN 301 Basic Financial Management	3	ACCT 300 Accounting Information Systems	3
MGMT 300 Principles of Management	3	ACCT 331 Intermediate Accounting I	3
MKTG 306 Principles of Marketing	3	ACCT 334 Federal Income Tax	3
POLS 232 American Political Systems II	3	General Ed Elective	4
	12 hrs		13 hrs

FIFTH YEAR			
NINTH SEMESTER		TENTH SEMESTER	
ACCT 332 Intermediate Accounting II	3	ACCT 433 Auditing	3
ACCT 336 Cost Accounting	3	ACCT (Elective)	3
ACCT (Elective)	3	BADM 450 Organizational Policy & Strategy	3
ACCT (Elective)	3		
	12 hrs		9 hrs

BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN ACCOUNTING
SIX-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
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	Natural Science	4
MATH 133 College Algebra	3	SOC 157 Introduction to Sociology	3
	12 hrs		13 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
MUSI 239 Fine Arts in Daily Living	3	ACCT 231 Principles of Accounting I	3
Natural Science	4	BADM 230 Advanced Communication Skills	3
PSY 131 Introduction to Psychology	3	ECON 231 Principles of Economics I	3
SC 135 Bus & Professional Communication	3		
	13 hrs		9 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
ACCT 232 Principles of Accounting I	3	Eng 200 Literature	3
BADM 234 Legal & Regulatory Envir of Bus	3	HIST 231 Social & Political History I	3
ECON 232 Principles of Economics II	3	POLS 231 American Political System I	3
	9 hrs		9 hrs

FOURTH YEAR			
SEVENTH SEMESTER		EIGHTH SEMESTER	
HIST 232 Social & Political History II	3	ACCT 300 Accounting Information Systems	3
MGSC 239 Business Statistics I	3	ACCT 331 Intermediate Accounting I	3
POLS 232 American Political Systems II	3	ACCT 334 Federal Income Tax	3
	9 hrs		9 hrs

FIFTH YEAR			
NINTH SEMESTER		TENTH SEMESTER	
ACCT 332 Intermediate Accounting II	3	General Education Elective	4
FIN 301 Basic Financial Management	3	MGMT 300 Principles of Management	3
MKTG 306 Principles of Marketing	3	MGSC 302 Operations Management I	3
	9 hrs		10 hrs

SIXTH YEAR			
ELEVENTH SEMESTER		TWELFTH SEMESTER	
ACCT 336 Cost Accounting	3	ACCT 433 Auditing	3
ACCT (Elective)	3	ACCT (Elective)	3
ACCT (Elective)	3	BADM 450 Organizational Policy & Strategy	3
	9 hrs		9 hrs

BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN FINANCE
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
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	PSY 131 Introduction to Psychology	3
MATH 133 College Algebra	3	SOC 157 Introduction to Sociology	3
Natural Science	4	SC 135 Business & Professional Communication	3
	16 hrs		15 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
BADM 230 Advanced Communication Skills	3	BADM 234 Legal & Regulatory Envir of Bus	3
ECON 231 Principles of Economics I	3	ECON 232 Principles of Economics II	3
MUSI 239 Fine Arts in Daily Living	3	HIST 231 Social & Political History I	3
Natural Science	4	POLS 231 American Political Systems I	3
	16 hrs		15 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
FIN 301 Basic Financial Management	4	ENG 200 Literature	3
General Ed Elective	3	MGSC 331 Business Statistics II	3
HIST 232 Social & Political History II	3	MGSC 302 Operations Management I	3
MGSC 239 Business Statistics I	3	MGSC 304 Information Technology	3
POLS 232 American Political Systems II	3	MKTG 306 Principles of Marketing	3
	16 hrs		15 hrs

FOURTH YEAR			
SEVENTH SEMESTER		EIGHTH SEMESTER	
FIN 302 Management of Financial Institutions	3	BADM 450 Organizational Policy & Strategy	3
FIN 312 Investments	3	FIN 338 International Finance	3
FIN 403 Corporate Financial Management	3	FIN (Elective)	3
FIN (Elective)	3	FIN (Elective)	3
MGMT 300 Principles of Management	3		
	15 hrs		12 hrs

BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN FINANCE
FIVE-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
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	Natural Science	4
MATH 133 College Algebra	3	SOC 157 Introduction to Sociology	3
	12 hrs		13 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
SC 135 Bus & Professional Communication	3	ACCT 231 Principles of Accounting I	3
MUSI 239 Fine Arts in Daily Living	3	BADM 230 Advanced Communication Skills	3
Natural Science	4	BADM 234 Legal & Regulatory Envir of Bus	3
PSY 131 Introduction to Psychology	3	ECON 231 Principles of Economics I	3
	13 hrs		12 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
ACCT 232 Principles of Accounting II	3	General Ed Elective	4
ECON 232 Principles of Economics II	3	HIST 232 Social & Political History II	3
HIST 231 Social & Political History I	3	MGSC 239 Business Statistics I	3
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	12 hrs		13 hrs

FOURTH YEAR			
SEVENTH SEMESTER		EIGHTH SEMESTER	
ENG 200 Literature	3	FIN 302 Management of Financial Institutions	3
FIN 301 Basic Financial Management	3	MGMT 300 Principles of Management	3
MGSC 331 Business Statistics II	3	MGSC 302 Operations Management	3
MKTG 306 Principles of Marketing	3	MGSC 304 I Information Technology	3
	12 hrs		12 hrs

FIFTH YEAR			
NINTH SEMESTER		TENTH SEMESTER	
FIN 312 Investments	3	BADM 450 Organizational Policy & Strategy	3
FIN 403 Corporate Financial Management	3	FIN 338 International Finance	3
FIN (Elective)	3	FIN (Elective)	3
FIN (Elective)	3		
	12 hrs		9 hrs

BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN FINANCE
SIX-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
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	Natural Science	4
MATH 133 College Algebra	3	SOC 157 Introduction to Sociology	3
	12 hrs		13 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
MUSI 239 Fine Arts in Daily Living	3	ACCT 231 Principles of Accounting I	3
Natural Science	4	BADM 230 Advanced Communication Skills	3
PSY 131 Introduction to Psychology	3	ECON 231 Principles of Economics I	3
SC 135 Bus & Professional Communication	3		
	13 hrs		9 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
ACCT 232 Principles of Accounting II	3	General Ed Elective	4
BADM 234 Legal & Regulatory Envir of Bus	3	HIST 231 Social & Political History I	3
ECON 232 Principles of Economics II	3	POLS 231 American Political Systems I	3
	9 hrs		10 hrs

FOURTH YEAR			
SEVENTH SEMESTER		EIGHTH SEMESTER	
HIST 232 Social & Political History II	3	ENG 200 Literature	3
MGSC 239 Business Statistics I	3	FIN 301 Basic Financial Management	3
POLS 232 American Political Systems II	3	MGSC 331 Business Statistics II	3
	9 hrs		9 hrs

FIFTH YEAR			
NINTH SEMESTER		TENTH SEMESTER	
MGSC 302 Operations Management I	3	FIN 302 Management of Financial Institutions	3
MGSC 304 Information Technology	3	FIN 312 Investments	3
MKTG 306 Principles of Marketing	3	MGMT 300 Principles of Management	3
	9 hrs		9 hrs

SIXTH YEAR			
ELEVENTH SEMESTER		TWELFTH SEMESTER	
FIN 403 Corporate Financial Management	3	BADM 450 Organizational Policy & Strategy	3
FIN (Elective)	3	FIN 338 International Finance	3
FIN (Elective)	3	FIN (Elective)	3
	9 hrs		9 hrs

DEPARTMENT OF BUSINESS ADMINISTRATION

Through the Department of Business Administration, courses are offered in Business Administration (BADM) and the following functional business disciplines: Management (MGMT), Management Science (MGSC), and Marketing (MKTG). **At the undergraduate level, the Bachelor of Business Administration (B.B.A.) degree is offered in Management and in Marketing; and, at the graduate level, the Master of Business Administration (M.B.A.) degree in Business Administration and Master of Science (MS) degree in Management Information Systems are offered. Also, an undergraduate minor in Business Administration is offered through this unit.** Members of the Department are housed 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 in Business Administration or Master of Science 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, 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 and Marketing majors.

Students who have been admitted to the University and who wish to pursue either an undergraduate major in Management or in Marketing or a minor in Business Administration must first gain admission to the Department through the process outlined below. As is the case for the other undergraduate degrees offered through the Jesse H. Jones School of Business, **students pursuing the B.B.A. in Business Administration in this unit are not required to declare a minor in another academic discipline at the University.**

For students majoring in other academic disciplines who wish to pursue a minor in Business Administration, twenty-seven (27) semester credit hours are required through enrollment in the following three-credit courses: ECON 231, ECON 232, ACCT 231, ACCT 232, BADM 234, FIN 301, MGMT 300, MKTG 306, and one 300 level or 400 level elective offered through this unit. **Students are cautioned that grades of “C-” are not acceptable for the twenty-seven (27) semester credit hours referenced.**

Students wishing to pursue a major in Management or in Marketing, or a minor in Business Administration, 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. Transfer students must meet all admission requirements of the University, be in good standing at former institutions of attendance, and have met ASSET 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 status through the General University Academic Center (GUAC). Transcripts of all college work must be forwarded to or presented to the Office of 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.

Graduation requirements include the following: (1) Grades of “C” or better in the major courses (grades of “C-” are unacceptable); (2) no more than two grades of “D” in non-major Business 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 or in Marketing, or a minor in Business Administration; (3) satisfy ASSET requirements through the General University Academic Center (GUAC); 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>Brice, Jeff Assistant Professor B.S., Tuskegee University M.B.A., Clark Atlanta University Ph.D., Mississippi State University</p>	<p>Sherif, Karma Associate Professor B.A., American University in Cairo M.S., Texas A&M University, College Station Ph.D., Texas A&M University, College Station</p>
<p>Claiborne, Claudius B Professor B.S., Duke University M.E., Dartmouth College M.B.A., Washington University Ph.D., Virginia Polytechnic Institute and State University</p>	<p>Smith, Marion Assistant Professor B.S., M.B.A., Rensselaer Polytechnic Institute Ph.D., University of Houston</p>
<p>Cooley, Delonia Assistant Professor B.S., University of Arkansas Fayetteville M.S., University of Arkansas Fayetteville M.B.A., University of Arkansas Fayetteville Ph.D., University of Memphis</p>	<p>Superville, Claude Professor B.B.A., Florida International University M.S., Ph.D., University of Alabama C.Q.E., Certified Quality Engineer-American Society for Quality</p>
<p>Desai, Mayur Associate Professor B.S., University of Bombay M.S., Texas A&M University, Kingsville, TX M.B.A., Harding Simmons University Ph.D., University of North Texas</p>	<p>Thomas, Esther R. Assistant Professor B.B.A., New Mexico State University M.B.A., New Mexico State University Ph.D., New Mexico State University</p>
<p>Hansen, David E. Professor B.A., San Diego State University M.B.A., University of California at Los Angeles Ph.D., Duke University</p>	<p>Vanjani, Mahesh Associate Professor B.Com., (Honors) University of Calcutta M.B.A., University of Mississippi M.A., (Economics), University of Mississippi Ph.D., University of Mississippi</p>
<p>Offori-Brobbe, Kwadwo Assistant Professor B.A.(Ed), 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>Wiley, Clara A. Instructor B.S., M.B.A., Texas Southern University</p>
<p>Ojode, Lucy Assistant Professor B. Com., University of Nairobi M.B.A., University of Nairobi Ph.D., University of Illinois, Urbana Champaign</p>	<p>Williams, John H. Associate Professor B.S., Prairie View A & M University M.B.A., Ph.D., University of Texas at Austin</p>
<p>Parks-Yancy, Rochelle Assistant Professor B.S., Central State University M.B.A., Howard University Ph.D., Rutgers University</p>	<p>Williams, Johnnie Assistant Professor B.A., Rollins College M.S., Ph.D., University of Tennessee</p>
<p>Ramaswamy, K. V. Professor B.E., University of Madras M.S., Ph.D., Texas Tech University</p>	<p>Woldie, Mammo Professor B.A., Haile Selassie University M.S., Western Michigan University Ph.D., Oklahoma State University</p>

Ramsey, V. Jean

Professor

Bachelor of Individualized Studies, New Mexico
State University - Las Cruces

M.B.A., Ph.D., University of Michigan – Ann Arbor

Yorke, George G.

Professor

B.A., M.S., Howard University
Ph.D., University of Virginia

BUSINESS ADMINISTRATION COURSES

- BADM 101** **Introduction to Business and Entrepreneurship** (1)
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: Senior standing and completion of all 300-level Business Core courses.
- BADM 466** **Business Internship** (3)
Faculty supervised work experience where written reports are required. Prerequisites: Junior or senior standing and consent of the instructor.

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.

MANAGEMENT SCIENCE COURSES

- MGSC 239** **Business Statistics I** (3)
 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).
- MGSC 302** **Operations Management I** (3)
 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.
- MGSC 303** **Operations Management II** (3)
 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.
- MGSC 304** **Information Technology** (3)
 Development of software skills and an appreciation of the role of information technology in modern organizations. Three hours of lecture per week. Prerequisites: CS 116 and 60 semester credit hours completed.
- MGSC 331** **Business Statistics II** (3)
 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.

MARKETING COURSES

- MKTG 306** **Principles of Marketing** (3)
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.
- MKTG 307** **Marketing Channels and Institutions** (3)
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 444** **Professional Selling** (3)
The universal need for sales, improving sales skills, characteristics and tools needed for success in the profession.
- 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.

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
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	PSY 131 Introduction to Psychology	3
MATH 133 College Algebra	3	SOC 157 Introduction to Sociology	3
Natural Science	4	SC 135 Business & Professional Communication	3
	16 hrs		15 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
BADM 230 Advanced Communication Skills	3	BADM 234 Legal & Regulatory Envir of Bus	3
ECON 231 Principles of Economics I	3	ECON 232 Principles of Economics II	3
MUSI 239 Fine Arts in Daily Living	3	HIST 231 Social & Political History I	3
Natural Science	4	POL 231 American Political Systems I	3
	16 hrs		15 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
FIN 301 Basic Financial Management	3	ENG 200 Literature	3
General Ed Elective	4	MGMT 300 Principles of Management	3
HIST 232 Social & Political History II	3	MGSC 302 Operations Management I	3
MGSC 239 Business Statistics I	3	MGSC 304 Information Technology	3
POL 232 American Political Systems II	3	MGSC 331 Business Statistics II	3
	16 hrs		15 hrs

FOURTH YEAR			
SEVENTH SEMESTER		EIGHTH SEMESTER	
MGMT 301 Personnel and manpower Development	3	BADM 450 Organizational Policy & Strategy	3
MGMT 330 Organizational Behavior	3	MGMT 395 Teambuilding and Organizational Change	3
MGMT 400 Small Business Management	3	MGMT 401 Leadership and Motivation	3
MGSC 303 Operations Management II	3	MGMT 402 International Management	3
MKTG 306 Principles of Marketing	3		
	15 hrs		12 hrs

BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT
FIVE-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
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	Natural Science	4
MATH 133 College Algebra	3	SOC 157 Introduction to Sociology	3
	12 hrs		13 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
MUSI 239 Fine Arts in Daily Living	3	ACCT 231 Principles of Accounting I	3
Natural Science	4	BADM 230 Advanced Communication Skills	3
PSY 131 Introduction to Psychology	3	BADM 234 Legal & Regulatory Envir of Bus	3
SC 135 Bus & Professional Communication	3	ECON 231 Principles of Economics I	3
	13 hrs		12 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
ACCT 232 Principles of Accounting II	3	General Ed Elective	4
ECON 232 Principles of Economics II	3	HIST 232 Social & Political History II	3
HIST 231 Social & Political History I	3	MGSC 239 Business Statistics I	3
POL 231 American Political Systems I	3	POL 232 American Political Systems II	3
	12 hrs		13 hrs

FOURTH YEAR			
SEVENTH SEMESTER		EIGHTH SEMESTER	
ENG 200 Literature	3	MGMT 300 Principles of Management	3
FIN 301 Basic Financial Management	3	MGMT 330 Organizational Behavior	3
MGSC 331 Business Statistics II	3	MGSC 302 Operations Management I	3
MKTG 306 Principles of Marketing	3	MGSC 304 Information Technology	3
	12 hrs		12 hrs

FIFTH YEAR			
NINTH SEMESTER		TENTH SEMESTER	
MGMT 301 Personnel and Manpower Development	3	BADM 450 Organizational Policy & Strategy	3
MGMT 395 Team Building and Organizational Change	3	MGMT 401 Leadership and Motivation	3
MGMT 400 Small Business Management	3	MGMT 402 International Management	3
MGSC 303 Operations Management II	3		
	12 hrs		9 hrs

BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT
SIX-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
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	Natural Science	4
MATH 133 College Algebra	3	SOC 157 Introduction to Sociology	3
	12 hrs		13 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
MUSI 239 Fine Arts in Daily Living	3	ACCT 231 Principles of Accounting I	3
Natural Science	4	BADM 230 Advanced Communication Skills	3
PSY 131 Introduction to Psychology	3	ECON 231 Principles of Economics I	3
SC 135 Bus & Professional Communication	3		
	13 hrs		9 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
ACCT 232 Principles of Accounting II	3	General Ed Elective	4
BADM 234 Legal & Regulatory Envir of Bus	3	HIST 231 Social & Political History I	3
ECON 232 Principles of Economics II	3	POL 231 American Political Systems I	3
	9 hrs		10 hrs

FOURTH YEAR			
SEVENTH SEMESTER		EIGHTH SEMESTER	
HIST 232 Social & Political History II	3	ENG 200 Literature	3
POL 232 American Political Systems II	3	FIN 301 Basic Financial Management	3
MGSC 239 Business Statistics I	3	MGSC 331 Business Statistics II	3
	9 hrs		9 hrs

FIFTH YEAR			
NINTH SEMESTER		TENTH SEMESTER	
MGMT 300 Principles of Management	3	MGMT 301 Personnel and manpower Development	3
MGSC 302 Operations Management I	3	MGSC 303 Operations Management II	3
MGSC 304 Information Technology	3	MKTG 306 Principles of Marketing	3
	9 hrs		9 hrs

SIXTH YEAR			
ELEVENTH SEMESTER		TWELFTH SEMESTER	
MGMT 330 Organizational Behavior	3	MGMT 395 Teambuilding and Organizational Change	3
MGMT 400 Small business Development	3	MGMT 401 Leadership and Motivation	3
MGMT 402 International Management	3	BADM 450 Organizational Policy & Strategy	3
	9 hrs		9 hrs

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
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	PSY 131 Introduction to Psychology	3
MATH 133 College Algebra	3	SOC 157 Introduction to Sociology	3
Natural Science	4	SC 135 Business & Professional Communication	3
	16 hrs		15 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
BADM 230 Advanced Communication Skills	3	BADM 234 Legal & Regulatory Envir of Bus	3
ECON 231 Principles of Economics I	3	ECON 232 Principles of Economics II	3
MUSI 239 Fine Arts in Daily Living	3	HIST 231 Social & Political History I	3
Natural Science	4	POL 231 American Political Systems I	3
	16 hrs		15 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
General Ed Elective	4	ENG 200 Literature	3
HIST 232 Social & Political History II	3	FIN 301 Basic Financial Management	3
MGMT 306 Principles of Management	3	MGMT 300 Principles of Management	3
MGSC 239 Business Statistics I	3	MGSC 304 Information Technology	3
POL 232 American Political Systems II	3	MGSC 331 Business Statistics II	3
	16 hrs		15 hrs

FOURTH YEAR			
SEVENTH SEMESTER		EIGHTH SEMESTER	
BADM 466 Business Internship	3	BADM 450 Organizational Policy & Strategy	3
MGSC 302 Operations Management I	3	MKTG 431 Entrepreneurial Marketing	3
MKT 307 Marketing Channels and Institutions	3	MKTG 432 International Marketing	3
MKTG 336 Marketing Communications	3	MKTG 435 Strategic Marketing Management	3
MKTG 430 Marketing Decision Making: Theory and Practice	3		
	15 hrs		12 hrs

BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING
FIVE-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
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	Natural Science	4
MATH 133 College Algebra	3	SOC 157 Introduction to Sociology	3
	12 hrs		13 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
MUSI 239 Fine Arts in Daily Living	3	ACCT 231 Principles of Accounting I	3
Natural Science	4	BADM 230 Advanced Communication Skills	3
PSY 131 Introduction to Psychology	3	BADM 234 Legal & Regulatory Envir of Bus	3
SC 135 Bus & Professional Communication	3	ECON 231 Principles of Economics I	3
	13 hrs		12 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
ACCT 232 Principles of Accounting II	3	General Ed Elective	4
ECON 232 Principles of Economics II	3	HIST 232 Social & Political History II	3
HIST 231 Social & Political History I	3	MGSC 239 Business Statistics I	3
POL 231 American Political Systems I	3	POL 232 American Political Systems II	3
	12 hrs		13 hrs

FOURTH YEAR			
SEVENTH SEMESTER		EIGHTH SEMESTER	
ENG 200 Literature	3	FIN 301 Basic Financial Management	3
MGMT 300 Principles of Management	3	MGSC 304 Information Technology	3
MGSC 331 Business Statistics II	3	MKTG 307 Marketing Channels and Institutions	3
MKTG 306 Principles of Marketing	3	MGSC 302 Operations Management I	3
	12 hrs		12 hrs

FIFTH YEAR			
NINTH SEMESTER		TENTH SEMESTER	
BADM 466 Business Internship	3	BADM 450 Organizational Policy & Strategy	3
MKTG 336 Marketing Communications	3	MKTG 432 International Marketing	3
MKTG 430 Marketing Decision Making: Theory and Practice	3	MKTG 435 Strategic Marketing Management	3
MKTG 431 Entrepreneurial Marketing	3		
	12 hrs		9 hrs

BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING
SIX-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
CS 116 Introduction to Computer Science	3	MATH 135 Math for Business & Economics	3
ENG 131 Freshman English I	3	Natural Science	4
MATH 133 College Algebra	3	SOC 157 Introduction to Sociology	3
	12 hrs		13 hrs

SECOND YEAR			
THIRD SEMESTER		FOURTH SEMESTER	
MUSI 239 Fine Arts in Daily Living	3	ACCT 231 Principles of Accounting I	3
Natural Science	4	BADM 230 Advanced Communication Skills	3
SC 135 Bus & Professional Communication	3	ECON 231 Principles of Economics I	3
PSY 131 Introduction to Psychology	3		
	13 hrs		9 hrs

THIRD YEAR			
FIFTH SEMESTER		SIXTH SEMESTER	
ACCT 232 Principles of Accounting II	3	General Ed Elective	4
BADM 234 Legal & Regulatory Envir of Bus	3	HIST 231 Social & Political History I	3
ECON 232 Principles of Economics II	3	POL 231 American Political Systems I	3
	9 hrs		10 hrs

FOURTH YEAR			
SEVENTH SEMESTER		EIGHTH SEMESTER	
HIST 232 Social & Political History II	3	ENG 200 Literature	3
MGSC 239 Business Statistics I	3	FIN 301 Basic Financial Management	3
POL 232 American Political Systems II	3	MGSC 331 Business Statistics II	3
	9 hrs		9 hrs

FIFTH YEAR			
NINTH SEMESTER		TENTH SEMESTER	
MGMT 300 Principles of Management	3	MGSC 302 Operations Management I	3
MKTG 306 Principles of Marketing	3	MKTG 307 Marketing Channels and Institutions	3
MGSC 304 Information Technology	3	MKTG 336 Marketing Communications	3
	9 hrs		9 hrs

SIXTH YEAR			
ELEVENTH SEMESTER		TWELFTH 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
MGMT 431 Entrepreneurial Marketing	3	MKTG 435 Strategic Marketing Management	3
	9 hrs		9 hrs



TAVIS SMILEY SCHOOL OF COMMUNICATION

The School of Communication offers courses in five (5) academic disciplines: Communication (CM), Entertainment and The Recording Industry (ENTR), Journalism (JOUR), Communication Arts and Sciences (SC), and Radio, Television, Film (RTF). In addition to course offerings, **two undergraduate or baccalaureate degrees, the Bachelor of Arts (B.A.) in Communication and the Bachelor of Arts (B.A.) in Mass Communications, and one graduate degree, the Master of Arts (M.A.) in Communications, are offered through the Department. Also, minors in Journalism, Communicative Arts and Sciences, and Telecommunications-Electronic Media are offered for students in disciplines where the declaration of a minor is required. Please refer to The Graduate School Bulletin of Texas Southern University for detailed information on the Master of Arts in Communications.**

In pursuing the B.A. in Communication, the focus is on Communication Arts and Sciences where students may select from two different curriculum tracks: Intercultural-Interpersonal and Organizational Communication. For either of the two tracks selected, **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.**

As is the case for the B.A. in Communication, students pursuing the B.A. in Mass Communications may also select from two curriculum tracks: Journalism and Radio, Television, Film. The Journalism track allows students to pursue one of three specialties: Print Journalism (minor required), Advertising-Public Relations (minor required), and Broadcast Journalism (no minor required). The Radio, Television, Film track allows students to select one of two specialties: Radio Production (minor optional) and Television Production (minor optional). **As stated above, students are cautioned that grades of “C” or better must be earned in courses designated for both the major and minor (if declared). Grades of “C-” are unacceptable in these courses.**

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 both the B.A. in Communication and the B.A. in Mass Communications 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 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 Communicative Arts and Sciences, 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 Radio, Television, Film, 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 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 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/or telephone number changes up to the time of graduation.

In summary, an interested student must first gain admission to the university; must meet his/her ASSET 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 the MLK Building, room 216. The Dean’s Office is located in the MLK Building, room 222.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Brown, Rockell Assistant Professor B.A., Xavier University M.A., Howard University Ph.D., Wayne State University</p>	<p>Lomas, Ronald P. Associate Professor B.A., M.A., Western Illinois University Ph.D., Bowling Green State University</p>
<p>Browne, Louis A. Associate Professor B.A., State University of New York, Buffalo M.S., Syracuse University Ph.D., State University of New York, Buffalo</p>	<p>Poudeh, Reza J. Associate Professor B.S., Esfahan University M.A., Ed.D., Boston University</p>
<p>Egbunike, Joy Assistant Professor B.A., Southeastern University M.P.A., Southeastern University Ph.D., Howard University</p>	<p>Redd, Lawrence Associate Professor B.A., Tennessee State University M.S., Michigan State University Ph.D., Michigan State University</p>
<p>Franzone, Dorothy L. Assistant Professor B.A., Bishop College M.A., University of Michigan Ph.D., Temple University</p>	<p>Sandifer-Walker, Serbino Assistant Professor B.A., Texas Southern University M.S., Columbia University</p>
<p>Hasan, Jaballa M. Assistant Professor B.A., University of Benghazi M.A., Ohio University M.A., Ohio University Ph.D., Ohio State University</p>	<p>Thompson, Gloria Instructor B.A., M.A., Tennessee A & I University</p>
<p>Hope-Thompson, Maurice Instructor B.A., Florida Atlantic University M.S., Syracuse University J.D., Boston College Law School</p>	<p>Ulas, Christian Assistant Professor B.S., M.A., Texas Southern University Ph.D., University of Texas at Austin</p>
<p>Jenkins, Cheryl Assistant Professor B.S., University of Southern Mississippi M.S., University of Southern Mississippi Ph.D., Howard University</p>	<p>Walker-Hawkins, Vera Associate Professor B.A., Tufts University M.A., Ohio University Ph.D., University of Texas at Austin</p>
<p>Khosrovani, Masoomeh Assistant Professor B.A., University of Tehran, Iran M.A., University of Iran M.A., University of Detroit Ph.D., Wayne State University</p>	<p>Ward, James W. Associate Professor B.A., Texas Southern University M.A., Texas Tech University Ph.D., Wayne State University</p>
<p>Lee, Eui Bun Professor B.A., Ewha Women's University M.A., University of Minnesota Ph.D., University of Texas at Austin</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.
- 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.

ENTERTAINMENT AND THE RECORDING INDUSTRY COURSES

- ENTR 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.
- ENTR 305** **Black Entertainment, Music and Sports** (3)
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.
- ENTR 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: ENTR 300.
- ENTR 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: ENTR 310.

JOURNALISM COURSES

- JOUR 130** **Introduction to Journalism** (3)
Survey of history, theory, aesthetics, and economics of print media; special emphasis placed on the development of electronic news operation. Three hours of lecture per week.
- 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. Three hours of lecture and two hours of laboratory per week.
- 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.
- 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.
- JOUR 238 Intermediate Reporting (4)**
Development of reporting and writing skills for the print media. Four hours of lecture per week.
- 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.
- 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.
- 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.
- JOUR 333 Newspaper Design (3)**
Introduction to basic camera-ready production techniques for tabloid and standard newspaper designs. Three hours of lecture per week.
- 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.
- JOUR 359 Computer Skills for Journalists (4)**
Fundamental principles and techniques of newsroom computer usage; hands-on experience in 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: 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.
- 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. Prerequisite: 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.
- 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.

- 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 Communication** (3)
 Problems of current concern in speech communication; 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.

RADIO, TELEVISION, FILM - ELECTRONIC MEDIA 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 information, 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.
- 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.
- 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. Prerequisite: RTF 230, 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. Prerequisite: 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. Prerequisite: RTF 230.
- 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. Prerequisite: RTF 231.
- 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 331, 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: 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: Upper-level standing, RTF 230, and RTF 335.
- 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. Prerequisite: 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 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 331 or 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: 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: Upper-level standing, RTF 365 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: Upper-level standing, RTF 368 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: Upper-level standing, RTF 375 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 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: 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. Prerequisite: Completion of all television or radio production emphasis courses.

Bachelor of Arts Degree in Communication
 Intercultural-Interpersonal Track
 Four Year Plan - Total Semester Hours Required: 120

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		
	15		15

Second Year			
Third Semester		Fourth Semester	
HIST 231	3	HIST 232	3
ENG 2XX	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
	15		15

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		
	15		15

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
	15		15

Bachelor of Arts Degree in Communication
 Intercultural-Interpersonal Track
 Five Year Plan - Total Semester Hours Required: 120

First Year			
First Semester		Second Semester	
ENG 131	3	ENG 132	3
BIOL 143	4	SC 135	3
PE 100 Level	1	CS 116	3
CM 130 (Introduction to Communication Theory)	3	HIST 231	3
SC 110 (Multipurpose Laboratory)	1		
	12		12

Second Year			
Third Semester		Fourth Semester	
HIST 232	3	PSY 131	3
SC 136 (Public Address)	3	SC Elective	3
THC 130 or MUSI 131	3	MATH 133	3
Elective	3	Elective	3
	12		12

Third Year			
Fifth Semester		Sixth Semester	
ENG 2XX	3	PHYS 101	4
CM 200 (Intermediate Writing)	3	SC 232 (Interpersonal Communication)	3
SC 230 (Urban Rhetorical Patterns)	3	Minor	3
Minor	3	Elective	2
	12		12

Fourth Year			
Seventh Semester		Eighth Semester	
POLS 231	3	Minor	3
Minor	3	Elective	3
CM 332 (Computers in Communication)	3	POLS 232	3
SC 330 (Persuasion)	3	SC 332 (Group Communication Processes)	3
	12		12

Fifth Year			
Ninth Semester		Tenth 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
	12		12

Bachelor of Arts Degree in Communication
 Intercultural-Interpersonal Communication Track
 Six Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
BIOL 143	4	ENG 131	3
PE 100 Level	1	SC 135	3
CM 130 (Introduction to Communication Theory)	3	PSY 131	3
SC 110 (Multipurpose Laboratory)	1		
	9		9

Second Year			
Third Semester		Fourth Semester	
ENG 132	3	ENG 2XX	3
CS 116	3	MATH 133	3
SC 136 (Public Address)	3	Elective	3
	9		9

Third Year			
Fifth Semester		Sixth Semester	
HIST 231	3	HIST 232	3
CM 200 (Intermediate Writing)	3	SC 232 (Interpersonal Communication)	3
SC 230 (Urban Rhetorical Patterns)	3	Minor	3
	9		9

Fourth Year			
Seventh Semester		Eighth Semester	
PHYS 101	4	Minor	3
Elective	2	POLS 231	3
Minor	3	SC 330 (Persuasion)	3
	9		9

Fifth Year			
Ninth Semester		Tenth Semester	
CM 332 (Computers in Communication)	3	THC 130 or MUSI 131	3
POLS 232	3	Minor	3
Elective	3	Elective	3
Minor	3	SC Elective	3
	12		12

Sixth Year			
Eleventh Semester		Twelfth Semester	
Elective	3	Minor	6
CM 430 (Internship)	3	SC 433 (Health Communication)	3
SC 431 (Nonverbal Communication)	3	SC Elective	3
SC 432 (Intercultural Communication)	3		
	12		12

Bachelor of Arts Degree in Communication
 Organizational Communication Track
 Four Year Degree Plan - Total Credits: 120

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		15
	15		

Second Year			
Third Semester		Fourth Semester	
HIST 231	3	HIST 232	3
ENG 2XX	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
	15		15

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
	15		15

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
	15		15

Bachelor of Arts Degree in Communication
 Organizational Communication Track
 Five Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
ENG 131	3	ENG 132	3
BIOL 143	4	SC 135	3
PE 100 Level	1	CS 116	3
CM 130 (Introduction to Communication Theory)	3	HIST 231	3
SC 110 (Multipurpose Laboratory)	1		
	12		12

Second Year			
Third Semester		Fourth Semester	
HIST 232	3	PSY 131	3
SC 136 (Public Address)	3	SC Elective	3
THC 130 or MUSI 131	3	MATH 133	3
Elective	3	Elective	3
	12		12

Third Year			
Fifth Semester		Sixth Semester	
ENG 2XX	3	PHYS 101	4
CM 200 (Intermediate Writing)	3	SC 232 (Interpersonal Communication)	3
SC 230 (Urban Rhetorical Patterns)	3	Minor	3
Minor	3	Elective	2
	12		12

Fourth Year			
Seventh Semester		Eighth Semester	
POLS 231	3	Minor	3
Minor	3	Elective	3
CM 332 (Computers in Communication)	3	POLS 232	3
SC 330 (Persuasion)	3	SC 332 (Group Communication Processes)	3
	12		12

Fifth Year			
Ninth Semester		Tenth 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
	12		12

Bachelor of Arts Degree in Communication
 Organizational Communication Track
 Six Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
BIOL 143	4	ENG 131	3
PE 100 Level 1	1	SC 135	3
CM 130 (Introduction to Communication Theory)	3	PSY 131	3
SC 110 (Multipurpose Laboratory)	1		
	9		9

Second Year			
Third Semester		Fourth Semester	
ENG 132	3	ENG 2XX	3
CS 116	3	MATH 133	3
SC 136 (Public Address)	3	Elective	3
	9		9

Third Year			
Fifth Semester		Sixth Semester	
HIST 231	3	HIST 232	3
CM 200 (Intermediate Writing)	3	SC 232 (Interpersonal Communication)	3
SC 230 (Urban Rhetorical Patterns)	3	Minor	3
	9		9

Fourth Year			
Seventh Semester		Eighth Semester	
PHYS 101	4	Minor	3
Elective	2	POLS 231	3
Minor	3	SC 330 (Persuasion)	3
	9		9

Fifth Year			
Ninth Semester		Tenth Semester	
CM 332 Computers in Communication	3	Minor	3
POLS 232	3	THC 130 or MUSI 131	3
SC 332 Group Communication Processes	3	SC Elective	3
SC 333 Interviewing	3	SC 338 (Introduction to Organizational Communication)	3
	12		12

Sixth Year			
Eleventh Semester		Twelfth Semester	
Minor	3	SC 438 Organizational Structure and Communication Behavior	3
CM 430 Internship	3	Minor	6
SC 434 Principles of Leadership	3	Elective	3
Elective	3		
	12		12

Bachelor of Arts Degree in Entertainment and the Recording Industry
Four Year Degree Plan - Total Credits: 120

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
	16		15

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	
ENTR 300 The Recording Industry	3	ENTR 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	
ENTR 310 Publishing and Media Policy	3	ENTR 450 Entertainment Management	3
RTF 475 Advanced Media Performance	4	Specialty Course	6
Specialty Courses	6	Elective Courses	6
Elective Course	3		
	16		15

Bachelor of Arts Degree in Entertainment and the Recording Industry
Five Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
Eng 131 Freshman English	3	BIOL 143 Survey of Life Science	4
CS 116 Introduction to computer Science	3	CS Introduction to Computer Science II for non majors or CS 120 Introduction to Programming in C++	3
Math 133 College Algebra	3	ENG 132 Freshman English II	3
SOC 157 Introduction to Sociology	3	SC 135 Business & Professional Communications	3
	12 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
MATH 135 Mathematics for Business & Economics or MATH 136 Pre-Calculus	3	HIST 232 Social & Political History of the U.S. Since 1877	3
HIST 231 Social & Political History of the U.S. to 1877	3	RTF 239 Introduction to Media Studies	3
ENG 2xx any 200 level English	3	ACCT 231 Principles of Accounting	3
MUSI 239 Fine Arts in Daily Living	3	ECON 231 Principles of Economics I	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
PHYS 101 Principles of Physical Science	4	MGMT 300 Principles of Management	3
ACCT 232 Principles of Accounting II	3	RTF 344 Media Management and Marketing	3
POLS 232 American Political System	3	FIN 301 Basic Financial Management	3
ENTR 300 The Recording Industry	3	Specialty Course	3
	13 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
ENTR Black Entertainment	3	Specialty Course	3
POLS 232 American Political Systems II	3	Elective Course	3
CM 430	3	ENTR 310 Publishing & Media Policy	3
Specialty Course	3		
	12 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
RTF Advanced Media Performance	4	ENTR 450 Entertainment Management	3
Specialty Course	3	Specialty Course	3
Specialty Course	3	Specialty Course	3
Elective Course	3	Specialty Course	3
	13 hrs		12 hrs

Bachelor of Arts Degree in Entertainment and the Recording Industry
Six Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
Eng 131 Freshman English	3	SOC 157 Introduction to Sociology	3
CS 116 Introduction to computer Science	3	BIOL 143 Survey of Life Science	4
Math 133 College Algebra	3	CS 117 Introduction to Computer Science II for non majors or CS 120 Introduction to Programming in C++	3
	9 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
MATH 135 Mathematics for Business & Economics or MATH 136 Pre-Calculus	3	HIST 231 Social & Political History of the U.S. to 1877	3
ENG 132 Freshman English II	3	ENG 2xx any 200 level English	3
SC 135 Business & Professional Communications	3	HIST 232 Social & Political History of the U.S. Since 1877	3
	9 hrs		9 hrs

Third Year			
Fifth Semester		Sixth Semester	
ACCT 231 Principles of Accounting	3	PHYS 101 Principles of Physical Science	4
ECON 231 Principles of Economics I	3	RTF 239 Introduction to Media Studies	3
MUSI 239 Fine Arts in Daily Living	3	ACCT 232 Principles of Accounting II	3
	9 hrs		10 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
POLS 232 American Political System	3	RTF 344 Media Management and Marketing	3
ENTR 300 The Recording Industry	3	FIN 301 Basic Financial Management	3
MGMT 300 Principles of Management	3	Specialty Course	3
Specialty Course	3		
	12 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
ENTR Black Entertainment	3	Specialty Course	3
POLS 232 American Political Systems II	3	Elective Course	3
CM 430	3	ENTR 310 Publishing & Media Policy	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
RTF Advanced Media Performance	4	ENTR 450 Entertainment Management	3
Specialty Course	3	Specialty Course	3
Specialty Course	3	Specialty Course	3
Elective Course	3	Specialty Course	3
	13 hrs		12 hrs

Bachelor of Arts Degree in Communication
Journalism Track (Print Specialty)
Four Year Degree Plan - Total Credits: 120

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
JOUR 130 (Introduction to Journalism)	3	CS 116	3
	16		16

Second Year			
Third Semester		Fourth Semester	
ENG 2XX	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
	15		16

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		
	16		16

Fourth Year			
Seventh Semester		Eighth Semester	
CM 430 (Internship)	3	Minor	12
*JOUR Elective	4		
JOUR 435 (Advanced Desktop Publishing)	3		
Minor	3		
	13		12

Bachelor of Arts Degree in Communication
Journalism Track (Print Specialty)
Five Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
SC 135 or 136	3	CS 116	3
CM 130 (Introduction to Communication Theory)	3	BIOL 143	4
JOUR 130 (Introduction to Journalism)	3	SC 135 or 136	3
ENG 131	3	JOUR 132 (Introduction to Reporting)	4
	12		14

Second Year			
Third Semester		Fourth Semester	
MATH 133	3	PSY 131 or SOC 157 or 158	3
ENG 132	3	JOUR 238 (Intermediate Reporting)	4
CM 200 (Intermediate Writing)	3	JOUR 253 (News Editing I)	3
JOUR 235 (Online Journalism I)	3	ENG 2XX	3
	12		13

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	HIST 232	3
JOUR 332 (Advanced Reporting)	4	Minor	6
HIST 231	3		
	13		12

Fourth Year			
Seventh Semester		Eighth Semester	
JOUR 435 (Advanced Desktop Publishing)	3	POLS 232	3
POLS 231	3	Upper-Level JOUR Electives	6
Minor	6	Minor	3
	12		12

Fifth Year			
Ninth Semester		Tenth Semester	
CM 430 (Internship)	3	Minor	12
THC 130 or MUSI 131	3		
Upper-Level JOUR Electives	7		
	13		12

Bachelor of Arts Degree in Communication
Journalism Track (Print Specialty)
Six Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
ENG 131	3	ENG 132	3
CM 130 (Introduction to Communication Theory)	3	BIOL 143	4
JOUR 130 (Introduction to Journalism)	3	JOUR 132 (Introduction to Reporting)	4
	9		11

Second Year			
Third Semester		Fourth Semester	
ENG 2XX	3	MATH 133	3
CM 200 (Intermediate Writing)	3	JOUR 238 (Intermediate Reporting)	4
JOUR 235 (Online Journalism I)	3	JOUR 253 (News Editing I)	3
	9		10

Third Year			
Fifth Semester		Sixth Semester	
CM 332 (Computers in Communication)	3	CS 116	3
JOUR 331 (Law and Ethics of Journalism)	3	SC 135 or 136	3
JOUR 332 (Advanced Reporting)	4	JOUR 335 (Intermediate Desktop Publishing)	3
	10		9

Fourth Year			
Seventh Semester		Eighth Semester	
PSY 131 or SOC 157 or 158	3	POLS 231	3
HIST 231	3	HIST 232	3
JOUR 335 (Intermediate Desktop Publishing)	3	THC 130 or MUSI 131	3
	9		9

Fifth Year			
Ninth Semester		Tenth Semester	
POLS 232	3	Minor	12
PHYS 101	4		
*JOUR Elective	7		
	14		12

Sixth Year			
Eleventh Semester		Twelfth Semester	
CM 430 (Internship)	3	Minor	9
*JOUR Elective	6		
	9		9

Bachelor of Arts Degree in Communication
Journalism Track (Advertising and Public Relations Specialty)
Four Year Degree Plan - Total Credits: 120

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
	16		16

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
	15		16

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
	16		16

Fourth Year			
Seventh Semester		Eighth Semester	
CM 430 (Internship)	3	Minor	9
JOUR Elective	4		
JOUR 435 (Advanced Desktop Publishing)	3		
Minor	6		
	16		9

Bachelor of Arts Degree in Communication
Journalism Track (Advertising and Public Relations Specialty)
Five Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
ENG 131	3	SC 135 or 136	3
CS 116	3	PSY 131 or SOC 157 or 158	3
BIOL 143	4	JOUR 132 (Introduction to Reporting)	4
CM 130 (Introduction to Communication Theory)	3	ENG 132	3
	13		13

Second Year			
Third Semester		Fourth Semester	
CM 200 (Intermediate Writing)	3	JOUR 238 (Intermediate Reporting)	4
JOUR 232 (Introduction to Advertising)	3	HIST 231	3
MATH 133	3	JOUR 253 (News Editing I)	3
JOUR 235 (Online Journalism I)	3	JOUR 234 (Introduction to Public Relations)	3
	12		13

Third Year			
Fifth Semester		Sixth Semester	
CM 332 (Computers in Communication)	3	JOUR 335 (Intermediate Desktop Publishing)	3
HIST 232	3	ENG 2XX	3
JOUR 331 (Law and Ethics of Journalism)	3	POLS 231	3
JOUR 332 (Advanced Reporting)	4	JOUR 356 (Advertising and PR Campaign)	3
		Minor	3
	13		15

Fourth Year			
Seventh Semester		Eighth Semester	
JOUR 435 (Advanced Desktop Publishing)	3	CM 430 (Internship)	3
THC 130 or MUSI 131	3	JOUR Elective	4
POLS 232	3	PHYS 101	4
Minor	3	Minor	3
	12		14

Fifth Year			
Ninth Semester		Tenth Semester	
JOUR Elective	3		
Minor	12		
	15		

Bachelor of Arts Degree in Communication
Journalism Track (Advertising and Public Relations Specialty)
Six Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
ENG 131	3	ENG 132	3
SC 135 or 136	3	JOUR 132 (Introduction to Reporting)	4
CM 130 (Introduction to Communication Theory)	3	MATH 133	3
	9		10

Second Year			
Third Semester		Fourth Semester	
ENG 2XX	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)	4
	9		10

Third Year			
Fifth Semester		Sixth Semester	
CM 200 (Intermediate Writing)	3	JOUR 335 (Intermediate Desktop Publishing)	3
JOUR 331 (Law and Ethics of Journalism)	3	JOUR 356 (Advertising and PR Campaign)	3
JOUR 332 (Advanced Reporting)	4	CM 332 (Computers in Communication)	3
	10		9

Fourth Year			
Seventh Semester		Eighth Semester	
JOUR 435 (Advanced Desktop Publishing)	3	HIST 231	3
CS 116	3	POLS 232	3
POLS 231	3	BIOL 143	4
	9		10

Fifth Year			
Ninth Semester		Tenth Semester	
PHYS 101	4	PSY 131 or SOC 157 or 158	3
HIST 232	3	JOUR Elective	7
THC 130 or MUSI 131	3		0
	10		10

Sixth Year			
Eleventh Semester		Twelfth Semester	
CM 430 (Internship)	3	Minor	15
Minor	6		0
	9		15

Bachelor of Arts Degree in Communication
 Journalism Track (Broadcast Specialty)
 Four Year Degree Plan - Total Credits: 120

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		
	15		14

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
TC 231 (Telecommunications Production)	4	JOUR 242 (Intermediate Broadcast News)	4
ENG 2xx	3	BIOL 143	4
	13		15

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	TC 368 (Introduction to Field Video Production)	4
JOUR 332 (Advanced Reporting)	4	POLS 231	3
PHYS 101	4	HIST 231	3
TC 365 (Introduction to TV Studio Production)	4	Elective	3
	18		16

Fourth Year			
Seventh Semester		Eighth Semester	
CM 430 (Internship)	3	HIST 232	3
JOUR 443	4	PSY 131	3
TC 375	4	Electives	6
POLS 232	3	THC 130 or MUSI 131	3
	14		15

Bachelor of Arts Degree in Communication
Journalism Track (Broadcast Specialty)
Five Year Degree Plan - Total Credits: 120

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
CS 116	3	Elective	1
	12		12

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
TC 231 (Telecommunications Production)	4	JOUR 242 (Intermediate Broadcast News)	4
SC 135 or 136	3	MATH 133	3
	13		14

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	TC 368 (Introduction to Field Video Production)	4
JOUR 332 (Advanced Reporting)	4	BIOL 143	4
TC 365 (Introduction to TV Studio Production)	4	ENG 2xx	3
	14		14

Fourth Year			
Seventh Semester		Eighth Semester	
JOUR 443 (Advanced Broadcast News)	4	HIST 231	3
TC 375 (Introduction to Media Performance)	4	POLS 231	3
PHYS 101	3	PSY 131	3
Elective	1	Elective	3
		MUSI 131 or THC 130	3
	12		15

Fifth Year			
Ninth Semester		Tenth Semester	
CM 430 (Internship)	3		
HIST 232	3		
POLS 232	3		
Elective	3		
Elective	3		
	15		

Bachelor of Arts Degree in Communication
Journalism Track (Broadcast Specialty)
Six Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
CM 130 (Introduction to Communication Theory)	3	JOUR 132 (Introduction to Reporting)	4
ENG 131	3	JOUR 133 (Broadcast News I)	4
JOUR 130 (Introduction to Journalism)	3		8
	9		8

Second Year			
Third Semester		Fourth Semester	
ENG 132	3	CM 200 (Intermediate Writing)	3
JOUR 235 (Online Journalism I)	3	JOUR 238 (Intermediate Reporting)	4
TC 231 (Telecommunications Production)	4	JOUR 253 (News Editing I)	3
		JOUR 242 (Intermediate Broadcast News)	4
	10		14

Third Year			
Fifth Semester		Sixth Semester	
JOUR 331 (Law and Ethics of Journalism)	3	JOUR 335 (Intermediate Desktop Publishing)	3
JOUR 332 (Advanced Reporting)	4	TC 368 (Introduction to Field Video Production)	4
TC 365 (Introduction to TV Studio Production)	4		
	11		7

Fourth Year			
Seventh Semester		Eighth Semester	
CM 332 (Computers in Communication)	3	JOUR 443 (Advanced Broadcast News)	4
ENG 2XX	3	TC 375 (Introduction to Media Performance)	4
BIOL 143	4		
	10		8

Fifth Year			
Ninth Semester		Tenth Semester	
POLS 231	3	MATH 133	3
HIST 231	3	POLS 232	3
THC 130 or MUSI 131	3	HIST 232	3
	9		9

Sixth Year			
Eleventh Semester		Twelfth Semester	
PSY 131	3	Elective	9
CM 430 (Internship)	3	PHYS 101	4
CS 116	3		
SC 135 or 136	3		
	12		13

Bachelor of Arts Degree in Radio/Television/Film
(With Minor Option)
Four Year Degree Plan - Total Credits: 120

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
	15		15

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
	15		15

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		
	15		15

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		
	16		15

Bachelor of Arts Degree in Radio/Television/Film
(With Minor Option)
Six Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
ENG 131	3	BIOL 143	4
SC 135	3	PSY 131	3
CM 130 Introduction to Communication Theory	3	CM 200 Intermediate Writing	3
	9		10

Second Year			
Third Semester		Fourth Semester	
ENG 132	3	MATH 133	3
CS 116	3	Elective	2
RTF 230 Introduction to Media Studies	3	RTF 231 Introduction to Media Aesthetics	4
	9		9

Third Year			
Fifth Semester		Sixth Semester	
RTF 331 Media Analysis and Criticism	3	HIST 231	3
RTF 335 Writing for Electronic Media and Film	3	ENG 2XX	3
RTF 344 Media Management and Marketing	3	PHYS 101	4
	9		10

Fourth Year			
Seventh Semester		Eighth Semester	
RTF 438 Media and Society	3	POLS 231	3
RTF 499 Master Projects in Media Production	4	Elective	3
HIST 232	3	THC 130 or MUSI 131	3
	10		9

Fifth Year			
Ninth Semester		Tenth Semester	
POLS 232	3	Minor	9
Minor	6	CM 332 Computers in Communication	3
	9		12

Sixth Year			
Eleventh Semester		Twelfth Semester	
CM 430 Internship	3	Approved Upper-Level RTF Electives	12
Minor	6		
Approved Upper-Level RTF Electives	3		
	12		12

Bachelor of Arts Degree in Radio/Television/Film
 (Without Minor Option)
 Four Year Degree Plan - Total Credits: 120

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
	15		15

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
	15		15

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		
	15		15

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		
	16		14

Bachelor of Arts Degree in Radio/Television/Film
(Without Minor Option)
Five Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
CM 130 (Introduction to Communication Theory)	3	RTF 231 (Introduction to Media Aesthetics)	4
RTF 230 (Introduction to Media Studies)	3	CS 116	3
ENG 131	3	ENG 132	3
SC 135	3	THC 130 or MUSI 131	3
	12		13

Second Year			
Third Semester		Fourth Semester	
CM 200 (Intermediate Writing)	3	RTF 344 (Media Management and Marketing)	3
RTF 331 (Media Analysis and Criticism)	3	RTF ELECTIVE	3
RTF 335 (Writing for Electronic Media and Film)	3	ENG 2XX	3
MATH 133	3	PSY 131	3
	12		12

Third Year			
Fifth Semester		Sixth Semester	
RTF ELECTIVE	4	RTF ELECTIVE	7
PHYS 141	4	HIST 231	3
BIOL 143	4	ELECTIVE	2
	12		12

Fourth Year			
Seventh Semester		Eighth Semester	
CM 332 (Computers in Communication)	3	RTF ELECTIVE	6
HIST 232	3	POLS 231	3
RTF ELECTIVE	7	ELECTIVE	3
	13		12

Fifth Year			
Ninth Semester		Tenth Semester	
RTF 438 (Media and Society)	3	RTF 499 (Master Projects in Media Production)	4
RTF ELECTIVE	6	CM 430 (Internship)	3
POLS 232	3	RTF ELECTIVE	3
	12		10

Bachelor of Arts Degree in Radio/Television/Film
(Without Minor Option)
Six Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
ENG 131	3	BIOL 143	4
SC 135	3	PSY 131	3
CM 130 Introduction to Communication Theory	3	CM 200 Intermediate Writing	3
	9		10

Second Year			
Third Semester		Fourth Semester	
ENG 132	3	MATH 133	3
CS 116	3	Elective	3
RTF 230 Introduction to Media Studies	3	RTF 231 Introduction to Media Aesthetics	4
	9		10

Third Year			
Fifth Semester		Sixth Semester	
RTF 331 Media Analysis and Criticism	3	HIST 231	3
CM 332 Computers in Communication	3	ENG 2XX	3
RTF 335 Writing for Electronic Media and Film	3	PHYS 101	4
RTF 344 Media Management and Marketing	3		
	12		10

Fourth Year			
Seventh Semester		Eighth Semester	
RTF 438 Media and Society	3	POLS 231	3
RTF 499 Master Projects in Media Production	4	Elective	3
HIST 232	3	THC 130 or MUSI 131	3
	10		9

Fifth Year			
Ninth Semester		Tenth Semester	
POLS 232	3	Approved Upper-Level RTF Electives	9
Approved Upper-Level RTF Electives	6		
	9		9

Sixth Year			
Eleventh Semester		Twelfth Semester	
CM 430 Internship	3	Approved Upper-Level RTF Electives	12
Approved Upper-Level RTF Electives	10		
	13		12



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, and the Master of Education in Curriculum and, the Doctor of Education. The Master of Education (M.Ed.) in curriculum and Instruction is offered with a specialization 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 Faculty Chairs. The Dean, Associate Deans, and Faculty Chairs are all housed in the Roderick R. Paige College of Education Building with the Dean's Office located in Room EB 243 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 Director of Field Experiences and Clinical Practice and the Certification Officer are housed in the College of Education; they share the same set of offices. Students interested in applying for the Educator Preparation Program and/or Certification at Texas Southern University should obtain application forms for these programs from the Office of the Director of Field Experiences and Clinical Practice and/or the Certification Officer in Room EB 100 of the Roderick R. Paige Education Building. This office 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 prepare competent career professionals for effective service in urban schools and agencies. Through research, collaboration, and applications, it seeks solutions to teaching, learning, and behavioral problems facing America's urban population.

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 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, 134, 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 selected from:
 - Chemistry
 - Mathematics
 - Theater
 - Foreign Language
 - Sociology
 - Health
 - Adolescent Psychology
4. Submission of the degree plan, signed by the advisor, in the area for which certification is sought.
5. A minimum overall grade point average (GPA) of 2.5 with all core-related courses completed with grades of “C” or better (grades of “C-” are unacceptable).
6. **Revision Effective Fall 2006:** Submission of verification that the passing criteria given for one of the fundamental tests listed below has been met. * **Applicants for the Educator Preparation Program are not TASP/THEA exempt and are not eligible for any waivers.**

	THEA	ASSET	COMPASS	ACCUPLACER
Reading	250	48	89	87
Math	230	38	39	63
Writing	220	40 WS: 5+	59 WS 5+	80 WS: 5+

*Subject to changes in Higher Education Coordinating Board policy.

Admission to the Educator Preparation Program is decided within the College of Education. The Director of Field Experiences and Clinical Practices 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, to Texas Southern University and 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.).

STATE BOARD FOR EDUCATORS CERTIFICATION POLICIES

As of May 2002, applicants to the teacher 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

The application for the Educator Preparation Program must be completed and accompanied by current transcripts, a degree plan signed by the applicant's advisor, and THEA scores or scores on standardized test(s) required for the State Board of Educator Certification. Please forward application materials to:

Director of Field Experiences and Clinical Practices
College of Education, Room 100
Texas Southern University
3100 Cleburne, P.O. Box 1680
Houston, Texas 77004-4501

For additional information call 713-313-7751 or e-mail Dr. Roscette Lewis Holmes at 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 45 hours of observation in the field (completed validation form), as required by law, prior to approval for clinical practice.

After being approved for Clinical Practice, the candidate teacher is scheduled for an interview with the Director of Field Experiences and Clinical Practice and C & I faculty. During this interview there is a discussion about the candidate's status and its impact on the success of clinical practice. Such an interview may raise concerns relative to: transportation, children, or any constraints that may negatively affect the success of the placement. Candidate teachers are 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.

The candidate's 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 at no cost. It enables them to actively recruit teachers prior to their graduation.

CANDIDATE PREPARATION PROGRAM

The following options are available, based upon the type of undergraduate degree earned:

Bachelor of Science Degrees

EC-4 Bilingual Generalist
EC-4 Generalist
4-8 Bilingual Education Generalist
4-8 English Language Arts/Reading
4-8 English Language Arts/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 accord with the individual's transcripts.

REQUIREMENTS FOR CERTIFICATION

The requirements for persons seeking certification are:

1. earned grades of "B" or better, where grades of "B-" are unacceptable, in professional development courses.
2. earned grades of "B" or better (grades of "B-" are unacceptable) in specialty courses identified on the selected degree plan.
3. 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.
4. **earned passing scores on all required state-mandated Certification Examination(s).**

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 prepare 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. At the graduate level, the Master of Education (M.Ed.) in Curriculum and Instruction is offered with a specialization in Bilingual Education, Early Childhood Education, Reading Education, English, Mathematics, Science, and Special Education. A Doctor of Education (Ed.D.) Degree is offered in Curriculum and Instruction with a focus on urban school communities. The B.S. in Interdisciplinary Studies leads to Teacher Certification in the state of Texas in EC-4 or 4-8 in one of ten specialty areas: EC-4 Generalist, EC-4 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 instructional units at the University, no minor is offered through this Department. The Department and associated instructional facilities are housed in the Roderick R. Paige Education Building with the Department Office located in Room 204.

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/graduate/program/index.asp>

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 Teacher Certification. Students pursuing any one of the ten tracks must be admitted to the Department as well as to the Educator Preparation Program in the College of Education.

Students desiring to earn the B.S. Degree in Interdisciplinary Studies must: (1) be admitted to the University, (2) satisfy University testing requirements, (3) pass the Texas Higher Education Assessment (THEA), and (4) petition the Department for admission as requirements are completed. Students are admitted after review by a Departmental committee. Once admitted, they are assigned an official advisor who should be consulted each academic term. Advisors guide admitted students through the admissions process for the Educator Preparation Program, as well as oversee their matriculation through the program of study. All requirements for the Educator Preparation Program must be met (consult previous section of this document under the College of Education), and students 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 grade restrictions referenced for the Educator Preparation Program must also be met.

Prior to admission to the program, students are encouraged to visit with advisors in the COE Student Advisement Center (SAC) for guidance, information and program updates. SAC is located in the lower level of the Roderick Paige Education Building.

In summary, students must gain admission to the University; meet University and state testing requirements, petition the Department 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 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, ASSET, COMPASS, or ACCUPLACER.* Admission to the Educator Preparation Program MUST be obtained prior to enrollment in professional development courses.
- 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 during the first semester after being admitted to the Educator Preparation Program. During the second semester after completing the first block, EDCI 328 and EDCI 350 should be taken.
- 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 courses identified on the selected degree plan.
- Prospective candidates cannot earn more than six (6) semester credit hours in specialty courses prior to admission by the College of Education.
- Transfer students who wish to transfer Professional Development courses MUST show competency by successfully passing the TExES Representative Form Diagnostic Test (administered by Department) before advancing in the program.
- Candidates must register in the department for the Professional Development Courses.
- Candidates may register for TExES (PPR or Content Test) after successfully passing the appropriate TExES Representative Forms Diagnostic Test (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.

*Subject to change pending THECB approval.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Amacker, Emma Associate Professor B.S., Grambling State University M.A., Governors State University Ed.D., Texas Southern University</p>	<p>Lara, Margarita Associate Professor B.S., University of Texas at El Paso M.Ed., University of Texas at Austin Ed.D., University of Houston</p>
<p>Barnett, Wylma Associate Professor B.A., Spelman College M.Ed., Ed.D., Texas Southern University</p>	<p>Ligons, Claudette M. Professor B.S., Hampton University M.Ed., University of Massachusetts Ed.D., University of Houston</p>
<p>Baumgarten, Thomas Professor B.S., University of Texas at Austin M.A., Incarnate Word College Ed.D., University of Houston</p>	<p>Saha-Gupta, Nina Associate Professor B.A., Delhi University M.A., Nagpur University Ph.D., Syracuse University</p>
<p>Gooden, Cherry Associate Professor/Chair B.S., M.Ed., Texas Southern University Ed.D., University of Houston</p>	<p>Smith, Jacqueline Visiting Assistant Professor B.S., Sam Houston State University M.S., Chicago State University Ed.D., University of Houston</p>
<p>Hill, Debra M. Associate Professor/Associate Chair B.S., M.Ed., Prairie View A&M University Ed.D., Texas Southern University</p>	<p>Song, Holim Assistant Professor B.A., Kyunghee University M.A., Ed.D., University of Houston</p>
<p>Johnson, Jr., James A. Associate Professor B.A., Brooklyn College M.S., Nova University Ph.D., University of California</p>	

- EDCI 430** **Integrated Science, Mathematics, and Health** (3)
Provides integrated study of the natural and social 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.
- EDCI 431** **Linguistics** (3)
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.
- EDCI 432** **Language Acquisition** (3)
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.
- EDCI 433** **Early Childhood Curriculum** (3)
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.
- EDCI 434** **Creative Arts and Movement** (3)
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-4 curriculum. Three hours of lecture per week.
- EDCI 435** **Language Development and Literacy in Early Childhood** (3)
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.
- EDCI 436** **Developing English Language Skills** (3)
Creates opportunities for students to practice techniques to teach English to speakers of other languages. Three hours of lecture per week.
- EDCI 450** **Directed Student Teaching in Grades 4-8** (6)
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.
- EDCI 455** **Curriculum Development in Bilingual Education** (3)
Examines the theoretical bases of bilingual education curriculum. Emphasis is placed on designing curriculum appropriate to EC-8 bilingual education. Includes evaluation of designed curriculum and application.
- EDCI 456** **Developing Spanish Language Skills I** (3)
Develops Spanish language skills needed to teach reading and language arts in a bilingual program. Taught in Spanish. Three hours of lecture per week.
- EDCI 457** **Developing Spanish Language Skills II** (3)
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.
- EDCI 458** **Effective Classroom Communications** (3)
Focuses on academic language among school personnel: teachers, students, parents, administrators, and others. Three hours of lecture per week.

- EDCI 463 Directed Student Teaching in Special Education (6)**
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.
- 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.

Bachelor of Science Degree Interdisciplinary Studies
EC-4 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	3
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
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 100-Level Course)	1
SOC 211 Soc. Adj. to College	1		
	16 hrs		15 hrs

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	PSY 131 General Psychology	3
	16 hrs		16 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
SPED 309 Survey of Exceptional Educ. I	3	RDG 401 Rdg. For Div. Populations	3
SPED 370 Survey of Exceptional Educ. II	3	RDG 302 Reading Skills Development	3
EDCI 346 Hist. & Theory of Child Dev.	3	EDCI 340 Instructional Technology II	3
EDCI 434 Creativity and Movement	3	ELECTIVE (Any two hour course)	2
	18 hrs		17 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 479 Management in Early Childhood	3	EDCI 491 Direct. Stud. Teaching, EC-4	6
EDCI 430 Integrating Sci., Math., & Health	3	EDCI 405 Integrated L.A., Soc. St., & Fine A.	3
EDCI 435 Language Development & Literacy	3		
EDCI 478 Family & Com. Relat. EC	3		
EDCI 433 Early Childhood Curriculum	3		
	15 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 EC-4 Generalist
 Five 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	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
MUSI 131 Intro to Music	3	PE (Any 100-Level Course)	1
		SOC 211 Soc. Adj. to College	1
	12 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
MATH 133 College Algebra	3	BIOL 143 Survey of Life Science	4
ENG 230 World Literature I	3	PSY 131 General Psychology	3
POLS 231 American Polit. System I	3	GEOG 132 World Regional Geography	3
EDCI 210 Instructional Technology I	3	MATH 235 Struc. & App. Of Numb. Sys.	3
ELECTIVE (Any two hour course)	2		
	14 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 340 Instructional Technology	3	BIOL 132 Biological Science II Lec	3
POLS 232 American Polit. System II	3	BIOL 112 Biological Science II Lab	1
BIOL 131 Biological Science I Lec	3	RDG 302 Reading Skills Development	3
BIOL 111 Biological Science I Lab	1	SPED 309 Survey of Exceptional Educ. I	3
MATH 236 Found., Geom., Stat., Prob.	3	SPED 370 Survey of Exceptional Educ. II	3
	13 hrs		13 hrs

Fourth year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 405 Integrated L.A., Soc. St., & Fine A.	3	EDCI 346 Hist. & Theory of Child Dev.	3
RDG 401 Rdg. for Div. Populations	3	EDCI 434 Creativity and Movement	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 479 Management in Early Childhood	3	EDCI 491 Direct. Stud. Teaching, EC-4	6
EDCI 430 Integrating Sci., Math., & Health	3	EDCI 433 Early Childhood Curriculum	3
EDCI 435 Language Development & Literacy	3		
EDCI 478 Family & Com. Relat. EC	3		
	12 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 EC-4 GENERALIST
 Six Year Degree Plan - Total Credits: 122

First year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
MATH 133 College Algebra	3	BIOL 143 Survey of Life Science	4
GEOG 132 World Regional Geography	3	PSY 131 General Psychology	3
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	10 hrs		11 hrs

Second Year			
Third Semester		Fourth Semester	
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
MUSI 131 Intro to Music	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
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
ENG 230 World Literature I	3	MATH 236 Found., Geom., Stat., Prob.	3
MATH 235 Struc. & App. Of Numb. Sys.	3	EDCI 210 Instructional Technology I	3
ELECTIVE (Any two hour course)	2	PHYS 101 Prin. of Physical Science	4
	11 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 340 Instructional Technology II	3	SPED 309 Survey of Exceptional Educ. I	3
EDCI 433 Early Childhood Curriculum	3	SPED 370 Survey of Exceptional Educ. II	3
EDCI 478 Family & Com. Relat. EC	3	RDG 302 Reading Skills Development	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 405 Integrated L.A., Soc. St., & Fine A.	3	EDCI 346 Hist. & Theory of Child Dev.	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
EDCI 434 Creativity and Movement	3	EDCI 491 Direct. Stud. Teaching, EC-4	6
EDCI 435 Language Development & Literacy	3	RDG 401 Rdg. For Div. Populations	3
EDCI 430 Integrating Sci., Math., & Health	3		
EDCI 479 Management in Early Childhood	3		
	12 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 EC-4 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	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	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
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	17 hrs		16 hrs

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	ELECTIVE (Any two hour course)	2
	16 hrs		16 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
SPED 370 Survey of Exceptional Educ. II	3	EDCI 340 Instructional Technology II	3
EDCI 456 Dev. Span. Lang Skills	3	EDCI 405 Integrated L.A., Soc. St., & F. A.	3
EDCI 460 Span. & Eng. Contra. Analysis	3	EDCI 457 Dev. Span. Lang. Skills	3
EDCI 430 Integrating Sci., Math., & Health	3		
	18 hrs		15 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 431 Linguistics for Teachers	3	EDCI 466 Direct. Stud. Tch. Bil. Ed.	6
EDCI 432 Language Acquisition	3	RDG 302 Reading Skills Development	3
RDG 301 Basic Concepts of Reading	3		
EDCI 436 Dev. Eng. Lang. Skills	3		
RDG 401 Rdg. For Div. Populations	3		
	15 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 EC-4 Bilingual Generalist
 Five 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	PHYS 101 Prin. of Physical Science	4
MUSI 131 Intro. To Music	3	PE (Any 100-Level Course)	1
		SOC 211 Soc. Adj. to College	1
	12 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
MATH 133 College Algebra	3	GEOG 132 World Regional Geography	3
ENG 230 World Literature I	3	BIOL 143 Survey of Life Science	4
POLS 231 American Polit. System I	3	PSY 131 General Psychology	3
EDCI 210 Instructional Technology I	3	MATH 235 Struc. & App. Of Numb. Sys.	3
ELECTIVE (Any two hour course)	2		
	14 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 340 Instructional Technology II	3	BIOL 132 Biological Science II Lec	3
POLS 232 American Polit. System II	3	BIOL 112 Biological Science II Lab	1
BIOL 131 Biological Science I Lec	3	SPED 370 Survey of Exceptional Educ. II	3
BIOL 111 Biological Science I Lab	1	EDCI 456 Dev. Span. Lang Skills	3
MATH 236 Found., Geom., Stat., Prob.	3	RDG 301 Basic Concepts of Reading	3
	13 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 405 Integrated L.A., Soc. St., & F. A.	3	EDCI 457 Dev. Span. Lang. Skills	3
RDG 302 Reading Skills Development	3	EDCI 460 Span. & Eng. Contra. Analysis	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 430 Integrating Sci., Math., & Health	3	EDCI 466 Direct. Stud. Teaching, Bil. Ed.	6
EDCI 431 Linguistics for Teachers	3	EDCI 436 Dev. Eng. Lang. Skills	3
EDCI 432 Language Acquisition	3		
RDG 401 Rdg. For Div. Populations	3		
	12 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 EC-4 BILINGUAL GENERALIST
 Six Year Degree Plan - Total Credits: 122

First year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
GEOG 132 World Regional Geography	3	BIOL 143 Survey of Life Science	4
MATH 133 College Algebra	3	PSY 131 General Psychology	3
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	10 hrs		11 hrs

Second Year			
Third Semester		Fourth Semester	
HIST 231 Soc. & Polit. Hist. of U. S. to 1877	3	SC 135 or 136 Business & Professional Communication or Public Address	3
MUSI 131 Intro to Music	3	HIST 232 Soc.& Polit. Hist. of U. S. since 1877	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
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
ENG 230 World Literature I	3	PHYS 101 Prin. of Physical Science	4
POLS 231 American Polit. System I	3	EDCI 210 Instructional Technology I	3
MATH 235 Struc. & App. Of Numb. Sys.	3	POLS 232 American Polit. System II	3
ELECTIVE (Any two hour course)	2	MATH 236 Found., Geom., Stat., Prob.	3
	11 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 340 Instructional Technology II	3	SPED 370 Survey of Exceptional Educ. II	3
EDCI 456 Dev. Span. Lang. Skills I	3	EDCI 457 Dev. Span. Lang. Skills II	3
RDG 301 Basic Concepts of Reading	3	EDCI 431 Linguistics for Teachers	3
		RDG 302 Rdg. Skills Development	3
	9 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 405 Integrated L.A., Soc. St., & F. A.	3	EDCI 432 Language Acquisition	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
EDCI 430 Integrating Sci., Math., & Health	3	EDCI 466 Direct. Stud. Teaching, Bil. Ed.	6
EDCI 460 Span. & Eng. Contra. Analysis	3	EDCI 455 Curriculum Dev. In Bil. Ed.	3
RDG 401 Rdg. For Div. Populations	3		
	9 hrs		9 hrs

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	3
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
SOC 211 Soc. Adj. to College	1	PSY 131 General Psychology	3
	17 hrs		17 hrs

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

Third Year			
Fifth Semester		Sixth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
SPED 370 Survey of Exceptional Educ. II	3	EDCI 430 Integrating Sci., Math., & Health	3
EDCI 347 Adolescent Development	3	EDCI 460 Span. & Eng. Contra. Analysis	3
EDCI 456 Dev. Span. Lang. Skills I	3	RDG 400 Content Area Reading	3
		ELECTIVE (Any two hour course)	2
	15 hrs		17 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 431 Linguistics for Teachers	3	EDCI 466 Direct. Stud. Teaching, Bil. Ed.	6
EDCI 432 Language Acquisition	3	EDCI 455 Curriculum Dev. In Bil. Ed.	3
EDCI 457 Dev. Span. Lang Skills II	3		
RDG 401 Rdg. For Div. Populations	3		
EDCI 436 Dev. Eng. Lang. Skills	3		
	15 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies
4-8 Bilingual Generalist
Five 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	PHYS 101 Prin. of Physical Science	4
MUSI 131 Intro. To Music	3	PE (Any 100-Level Course)	1
		SOC 211 Soc. Adj. to College	1
	12 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
MATH 133 College Algebra	3	GEOG 132 World Regional Geography	3
ENG 230 World Literature I	3	BIOL 143 Survey of Life Science	4
POLS 231 American Polit. System I	3	PSY 131 General Psychology	3
EDCI 210 Instructional Technology I	3	MATH 235 Struc. & App. Of Numb. Sys.	3
ELECTIVE (Any two hour course)	2		
	14 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 340 Instructional Technology	3	BIOL 132 Biological Science II Lec	3
POLS 232 American Polit. System II	3	BIOL 112 Biological Science II Lab	1
BIOL 131 Biological Science I Lec	3	SPED 370 Survey of Exceptional Educ. II	3
BIOL 111 Biological Science I Lab	1	EDCI 347 Adolescent Development	3
MATH 236 Found., Geom., Stat., Prob.	3	EDCI 456 Dev. Span. Lang. Skills I	3
	13 hrs		13 hrs

Fourth year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 430 Integrating Sci., Math., & Health	3	EDCI 457 Dev. Span. Lang Skills II	3
RDG 400 Content Area Reading	3	EDCI 460 Span. & Eng. Contra. Analysis	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 431 Linguistics for Teachers	3	EDCI 466 Direct. Stud. Teaching, Bil. Ed.	6
EDCI 432 Language Acquisition	3	EDCI 455 Curriculum Dev. In Bil. Ed.	3
EDCI 436 Dev. Eng. Lang. Skills	3		
RDG 401 Rdg. For Div. Populations	3		
	12 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies
4-8 BILINGUAL GENERALIST
Six Year Degree Plan - Total Credits: 122

First year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
MATH 133 College Algebra	3	BIOL 143 Survey of Life Science	4
GEOG 132 World Regional Geography	3	PSY 131 General Psychology	3
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	10 hrs		11 hrs

Second Year			
Third Semester		Fourth Semester	
HIST 231 Soc. Polit. Hist. of U.S, to 1877	3	SC 135 or 136 Business & Professional Communication or Public Address	3
MUSI 131 Intro. To Music	3	HIST 232 Soc. Polit. Hist. of U. S. since 1877	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
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
ENG 230 World Literature I	3	PHYS 101 Prin. of Physical Science	4
POLS 231 American Polit. System I	3	EDCI 210 Instructional Technology I	3
MATH 235 Struc. & App. Of Numb. Sys.	3	POLS 232 American Polit. System II	3
ELECTIVE (Any two hour course)	2	MATH 236 Found., Geom., Stat., Prob.	3
	11 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 340 Instructional Technology II	3	SPED 370 Survey of Exceptional Educ. II	3
EDCI 456 Dev. Span. Lang. Skills I	3	EDCI 457 Dev. Span. Lang. Skills II	3
RDG 400 Content Area Reading	3	EDCI 431 Linguistics for Teachers	3
	9 hrs		

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 436 Dev. Eng. Lang. Skills	3	EDCI 432 Language Acquisition	3
		EDCI 347 Adolescent Development	3
	9 hrs		12 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
EDCI 430 Integrating Sci., Math., & Health	3	EDCI 466 Direct. Stud. Teaching, Bil. Ed.	6
EDCI 460 Span. & Eng. Contra. Analysis	3	EDCI 455 Curriculum Dev. In Bil. Ed.	3
RDG 401 Rdg. For Div. Populations	3		
	9hrs		9 hrs

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	GEOG 132 World Regional Geography	3
BIOL 143 A Surv. Of Life Sci.	4	MATH 133 College Algebra	3
SOC 211 Soc. Adj. to College	1	PHYS 101 Principles of Physical Science	4
PSY 131 General Psychology	3	PE (Any 100-Level Course)	1
	17 hrs		17 hrs

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	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
MUSI 131 Intro. To Music	3	EDCI 210 Instructional Technology I	3
	16 hrs		16 hrs

Third Year			
Fifth Semester	Sixth	Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
SPED 370 Survey of Exceptional Educ. II	3	EDCI 340 Instructional Technology II	3
EDCI 347 Adolescent Development	3	EDCI 405 Integrated L.A., Soc. St., & F. A.	3
RDG 301 Basic Concepts of Reading	3	ENG 351 Grammar Review Workshop	3
RDG 302 Reading Skills Development	3	RDG 402 Informal Diagnosis	3
	18 hrs		18 hrs

Fourth Year			
Seventh Semester	Eighth	Semester	
RDG 400 Content Area Reading	3	EDCI 450 Direct. Stud. Tch. 4-8	6
RDG 401 Rdg. For Div. Populations	3		
RDG 406 Reading Appreciation	3		
EDCI 458 Effective Communication	3		
ELECTIVE (Any two hour course)	2		
	14 hrs		6 hrs

Bachelor of Science Degree in Interdisciplinary Studies
4-8 English Language Arts/Reading
Five 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	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
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	PE (Any 100-Level Course)	1
		SOC 211 Soc. Adj. to College	1
	12 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
MATH 133 College Algebra	3	BIOL 143 Survey of Life Science	4
ENG 230 World Literature I	3	PSY 131 General Psychology	3
POLS 231 American Polit. System I	3	GEOG 132 World Regional Geography	3
EDCI 210 Instructional Technology I	3	MATH 235 Struc. & App. Of Numb. Sys.	3
ELECTIVE (Any two hour course)	2		
	14 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 340 Instructional Technology II	3	BIOL 132 Biological Science II Lec	3
POLS 232 American Polit. System II	3	BIOL 112 Biological Science II Lab	1
BIOL 131 Biological Science I Lec	3	RDG 301 Basic Concepts of Reading	3
BIOL 111 Biological Science I Lab	1	RDG 302 Reading Skills Development	3
MATH 236 Found., Geom., Stat., Prob.	3	ENG 231 World Literature II	3
	13 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 347 Adolescent Development	3	RDG 402 Informal Diagnosis	3
SPED 370 Survey of Exceptional Educ. II	3	ENG 351 Grammar Review Workshop	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
RDG 400 Content Area Reading	3	EDCI 450 Direct. Stud. Tch. 4-8	6
RDG 401 Rdg. For Div. Populations	3	EDCI 405 Integrated L.A., Soc. St., & F. A.	3
RDG 406 Reading Appreciation	3		
EDCI 458 Effective Communication	3		
	12 hrs		9 hrs.

Bachelor of Science Degree in Interdisciplinary Studies
4-8 ENGLISH LANGUAGE ARTS/READING
Six 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	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
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	10 hrs		11 hrs

Second Year			
Third Semester		Fourth Semester	
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
MUSI 131 or ART 131	3	ENG 231 World Literature II	3
Intro to Music or Drawing and Comp. I			
ENG 230 World Literature I	3	PSY 131 General Psychology	3
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
GEOG 132 World Regional Geography	3	MATH 133 College Algebra	3
EDCI 210 Instructional Technology I	3	BIOL 143 Survey of Life Science	4
ELECTIVE (Any two hour course)	2		
	11 hrs		10 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
RDG 301 Basic Concepts of Reading	3	EDCI 340 Instructional Technology II	3
ENG 351 Grammar Review Workshop	3	RDG 302 Reading Skills Development	3
MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found., Geom., Stat., Prob.	3
EDCI 347 Adolescent Development	3	SPED 370 Survey of Exceptional Educ. II	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 405 Integrated L.A., Soc. St., & F. A.	3	EDCI 458 Effective Communication	3
RDG 402 Informal Diagnosis	3		
	12 hrs		9 hrs

Eleventh Semester		Twelfth Semester	
RDG 400 Content Area Reading	3	EDCI 450 Directed Student Tchng., 4-8	6
RDG 401 Rdg. For Div. Populations	3		
RDG 406 Reading Appreciation	3		
	9 hrs		6 hrs

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
PSY 131 General Psychology	3	MATH 133 College Algebra	3
BIOL 143 A Surv. Of Life Sci.	4	PHYS 101 Principles of Physical Science	4
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	17 hrs		17 hrs

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	MUSI 131 Introduction to Music	3
	16 hrs		16 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 340 Instructional Technology II	3	RDG 301 Basic Concepts of Reading	3
ENG 351 Grammar Review Workshop	3	RDG 302 Reading Skills Development	3
GEOG 332 Economic Geography	3	GEOG 331 Geography of Texas	3
SPED 370 Survey of Exceptional Educ. II	3	EDCI 405 Integrated L.A., Soc. St., & Fine A.	3
	18 hrs		18 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
RDG 400 Content Area Reading	3	EDCI 450 Direct. Stud. Teaching, 4-8	6
RDG 401 Rdg. For Div. Populations	3		
RDG 402 Informal Diagnosis	3		
EDCI 347 Adolescent Development	3		
ELECTIVE (Any two hour course)	2		
	14 hrs		6 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 4-8 English Language Arts/Reading/Social Studies
 Five 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	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
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	PE (Any 100-Level Course)	1
		SOC 211 Soc. Adj. to College	1
	12 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
BIOL 143 Survey of Life Science	4	BIOL 131 Biological Science I Lec	3
POLS 231 American Polit. System I	3	BIOL 111 Biological Science I Lab	1
MATH 133 College Algebra	3	MATH 235 Struc. & App. Of Numb. Sys.	3
		PSY 131 General Psychology	3
	13 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 210 Instructional Technology I	3	GEOG 332 Economic Geography	3
POLS 232 American Polit. System II	3	SPED 370 Survey of Exceptional Educ. II	3
BIOL 132 Biological Science II Lec.	3	GEOG 230 Urban Geography	3
BIOL 112 Biological Science II Lab.	1	RDG 301 Basic Concepts of Reading	3
MATH 236 Found., Geom., Stat., Prob.	3		
	13 hrs		12hrs

Fourth year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 340 Instructional Technology II	3	RDG 302 Reading Skills Development	3
ENG 351 Grammar Review Workshop	3	GEOG 331 Geography of Texas	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
RDG 400 Content Area Reading	3	EDCI 450 Direct. Stud. Teaching, 4-8	6
RDG 401 Rdg. For Div. Populations	3	ELECTIVE (Any two hour course)	2
RDG 402 Informal Diagnosis	3	EDCI 405 Integrated L.A., Soc. St., & Fine A.	3
EDCI 347 Adolescent Development	3		
	12 hrs		11 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 4-8 ENGLISH LANGUAGE ARTS/READING/SOCIAL STUDIES
 Six 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	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
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	10 hrs		11 hrs

Second Year			
Third Semester		Fourth Semester	
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 230 World Literature I	3	PSY 131 General Psychology	3
MUSI 131 or ART 131	3	MATH 133 College Algebra	3
Intro to Music or Drawing and Comp. I			
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I	3	GEOG 132 World Regional Geography	3
BIOL 143 Survey of Life Science	4	EDCI 210 Instructional Technology I	3
MATH 235 Struc. & App. Of Numb. Sys.	3	POLS 232 American Political Systems II	3
		MATH 236 Found., Geom., Stat., Prob.	3
	10 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
RDG 302 Reading Skills Development	3	RDG 400 Content Area Reading	3
GEOG 331 Geography of Texas	3	RDG 401 Rdg. For Div. Populations	3
GEOG 230 Urban Geography	3	EDCI 340 Instructional Technology II	3
SPED 370 Survey of Exceptional Educ. II	3	ENG 351 Grammar Review Workshop	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
ELECTIVE (Any two hour course)	2	RDG 402 Informal Diagnosis	3
RDG 301 Basic Concepts of Reading	3		
	11 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
EDCI 405 Integrated L.A., Soc. St., & Fine A.	3	EDCI 450 Directed Student Tchng., 4-8	6
GEOG 332 Economic Geography	3		
EDCI 347 Adolescent Development	3		
	9 hrs		6 hrs

Bachelor of Science Degree in Interdisciplinary Studies
4-8 Mathematics/Nationally Recognized
Four Year Degree Plan – Total Credits: 125

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	GEOG 132 World Regional Geography	3
PHYS 101 Prin. of Physical Science	4	MATH 133 College Algebra	3
ART 131 Drawing & Composition I	3	BIOL 143 A Surv. Of Life Sci.	4
PSY 131 General Psychology	3	PE (Any 100-Level Course)	1
		SOC 211 Soc. Adj. to College	1
	19 hrs		18 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 230 World Literature I	3	MATH 241 Calculus & Analy. Geom. I	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
MATH 134 Plane Trigonometry	3	EDCI 210 Instructional Technology I	3
	16 hrs		17 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
SPED 370 Survey of Exceptional Educ. II	3	EDCI 340 Instructional Technology II	3
EDCI 347 Adolescent Development	3	MATH 243 Calculus & Analy. Geom. III	4
MATH 242 Calculus & Analy. Geom. II	4	MATH 331 Logic, Sets, and Functions	3
	16 hrs		16 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
MATH 250 Linear Algebra	3	EDCI 450 Direct. Stud. Tch. 4-8	6
MATH 473 Probability and Statistics I	3	ELECTIVE (Any two hour course)	2
RDG 400 Content Area Reading	3		
EDCI 430 Integrating Sci., Math., & Health	3		
RDG 401 Rdg. For Div. Populations	3		
	15 hrs		8 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 4-8 MATHEMATICS/Nationally Recognized
 Five Year Degree Plan – Total Credits: 125

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
PE (Any 100-Level Course)	1	BIOL 143 A Surv. Of Life Sci.	4
SOC 211 Soc. Adj. to College	1		13 hrs
	11 hrs		

Second Year			
Third Semester		Fourth Semester	
ART 131 Drawing & Composition I	3	ENG 230 World Literature I	3
PHYS 101 Prin. of Physical Science	4	POLS 231 American Polit. System I	3
MATH 133 College Algebra	3	BIOL 131 Biological Science I Lec	3
GEOG 132 World Regional Geography	3	MATH 134 Plane Trigonometry	3
		BIOL 111 Biological Science I Lab	1
	13 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found., Geom., Stat., Prob.	3
POLS 232 American Polit. System II	3	MATH 241 Calculus & Analy. Geom. I	4
BIOL 132 Biological Science II Lec	3	SPED 370 Survey of Exceptional Educ. II	3
BIOL 112 Biological Science II Lab	1	ELECTIVE (Any two hour course)	2
EDCI 210 Instructional Technology I	3		
	13 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 347 Adolescent Development	3	EDCI 340 Instructional Technology II	3
MATH 242 Calculus & Analy. Geom. II	4	MATH 331 Logic, Sets, and Functions	3
		MATH 243 Calculus & Analy. Geom. III	4
	13 hrs		16 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
MATH 250 Linear Algebra	3	EDCI 450 Direct. Stud. Tch. 4-8	6
MATH 473 Probability and Statistics I	3	RDG 401 Rdg. For Div. Populations	3
RDG 400 Content Area Reading	3		
EDCI 430 Integrating Sci., Math., & Health	3		
	12 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 4-8 MATHEMATICS/Nationally Recognized
 Six Year Degree Plan - Total Credits: 125

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	GEOG 132 World Regional Geography	3
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
10 hrs		10 hrs	

Second Year			
Third Semester		Fourth Semester	
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
MATH 133 College Algebra	3	PSY 131 General Psychology	3
ART 131 Drawing & Composition I	3	ENG 230 World Literature I	3
10 hrs		10 hrs	

Third Year			
Fifth Semester		Sixth Semester	
BIOL 143 A Surv. Of Life Sci.	4	PHYS 101 Prin. of Physical Science	4
EDCI 210 Instructional Technology I	3	POLS 232 American Polit. System II	3
POLS 231 American Polit. System I	3	MATH 134 Plane Trigonometry	3
10 hrs		10 hrs	

Fourth Year			
Seventh Semester		Eighth Semester	
MATH 241 Calculus & Analy. Geom. I	4	EDCI 347 Adolescent Development	3
EDCI 340 Instructional Technology II	3	MATH 242 Calculus & Analy. Geom. II	4
MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found., Geom., Stat., Prob.	3
10 hrs		10 hrs	

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
SPED 370 Survey of Exceptional Educ. II	3	RDG 400 Content Area Reading	3
RDG 401 Rdg. For Div. Populations	3	ELECTIVE (Any two hour course)	2
12 hrs		11 hrs	

Sixth Year			
Eleventh Semester		Twelfth Semester	
MATH 250 Linear Algebra	3	EDCI 450 Direct. Stud. Tch. 4-8	6
MATH 473 Probability and Statistics I	3	MATH 331 Logic, Sets, and Functions	3
MATH 243 Calculus & Analy. Geom. III	4		
EDCI 430 Integrating Sci., Math., & Health	3		
13 hrs		9 hrs	

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	3
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
SOC 211 Soc. Adj. to College	1	ART 131 Drawing and Comp. I	3
	17 hrs		17 hrs

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

Third Year			
Fifth Semester		Sixth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
BIOL 347 Microbiology	4	BIOL 343 Environmental Biology & Lab.	4
EDCI 340 Instructional Technology II	3	EDCI 430 Integrating Sci., Math., & Health	3
EDCI 347 Adolescent Development	3	SPED 370 Survey of Exceptional Educ. II	3
PHYS 215 Physics for Engineers Lab I	1	PHYS 216 Physics for Engineers Lab II	1
	17 hrs		17 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
RDG 400 Content Area Reading	3	EDCI 450 Direct. Stud. Teaching, 4-8	6
RDG 401 Rdg. For Div. Populations	3	Elective (Any one hour course)	1
MATH 241 Calculus & Analy. Geom. I	4	PHYS 246 Physics for Engineers II	3
PHYS 245 Physics for Engineers I	3		
	13 hrs		10 hrs

Bachelor of Science Degree in Interdisciplinary Studies
4-8 MATHEMATICS/SCIENCE
Five 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 since 1877	3
HIST 231 Social & Political History of the United States to 1877	3	ART 131 Drawing and Comp. I	3
MATH 133 College Algebra	3	MATH 134 Plane Geometry	3
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	13 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
BIOL 143 Survey of Life Science	4	ENG 230 World Literature I	3
PHYS 101 Prin. of Physical Science	4	POLS 231 American Polit. System I	3
GEOG 132 World Regional Geography	3	BIOL 131 Biological Science I Lec	3
EDCI 210 Instructional Technology I	3	BIOL 111 Biological Science I Lab	1
		MATH 235 Struc. & App. Of Numb. Sys.	3
	14 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 232 American Polit. System II	3	EDCI 340 Instructional Technology II	3
CHEM 131 Gen. Chemistry I	3	SPED 370 Survey of Exceptional Educ. II	3
CHEM 111 Gen. Chemistry I Lab.	1	RDG 400 Content Area Reading	3
MATH 236 Found., Geom., Stat., Prob.	3	RDG 401 Rdg. For Div. Populations	3
PSY 131 General Psychology	3	ELECTIVE (Any one hour Course)	1
	13 hrs		13 hrs

Fourth year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
PHYS 245 Physics for Engineers I	3	PHYS 246 Physics for Engineers II	3
PHYS 215 Physics for Engineers Lab I	1	PHYS 246 Physics for Engineers II	1
	10 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
BIOL 343 Environmental Biology & Lab.	4	EDCI 450 Direct. Stud. Teaching, 4-8	6
EDCI 430 Integrating Sci., Math., & Health	3	MATH 241 Calculus & Analy. Geom. I	4
BIOL 347 Microbiology	4		
EDCI 347 Adolescent Development	3		
	14 hrs		10 hrs

Bachelor of Science Degree in Interdisciplinary Studies
4-8 MATHEMATICS/SCIENCE
Six 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 since 1877	3
HIST 231 Social & Political History of the United States to 1877	3	ART 131 Drawing and Comp. I	3
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	10 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
BIOL 143 Survey of Life Science	4	BIOL 111 Biological Science I Lab	1
MATH 133 College Algebra	3	BIOL 131 Biological Science I Lec	3
ENG 230 World Literature I	3	MATH 134 Plane Geometry	3
ELECTIVE (Any one hour course)	1	PSY 131 General Psychology	3
	11 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
CHEM 131 Gen. Chemistry I	3	PHYS 101 Prin. of Physical Science	4
CHEM 111 Gen. Chemistry I Lab.	1	MATH 236 Found., Geom., Stat., Prob.	3
POLS 231 American Polit. System I	3	POLS 232 American Polit. System II	3
MATH 235 Struc. & App. Of Numb. Sys.	3		
	10 hrs		10 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PHYS 245 Physics for Engineers I	3	PHYS 246 Physics for Engineers II	3
PHYS 215 Physics for Engineers Lab I	1	PHYS 216 Physics for Engineers Lab II	1
GEOG 132 World Regional Geography	3	EDCI 210 Instructional Technology I	3
RDG 400 Content Area Reading	3	EDCI 347 Adolescent Development	3
	10 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
BIOL 347 Microbiology	4	EDCI 340 Instructional Technology II	3
		SPED 370 Survey of Exceptional Educ. II	3
	10 hrs		12 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
BIOL 343 Environmental Biology & Lab.	4	EDCI 450 Direct. Stud. Teaching, 4-8	6
EDCI 430 Integrating Sci., Math., & Health	3	MATH 241 Calculus & Analy. Geom. I	4
RDG 401 Rdg. For Div. Populations	3		
	10 hrs		10 hrs

Bachelor of Science Degree in Interdisciplinary Studies
4-8 Science
Four Year Degree Plan – Total Credits: 121

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
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
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	17 hrs		17 hrs

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

Third Year			
Fifth Semester		Sixth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
CHEM 131 Gen. Chemistry I	3	SPED 370 Survey of Exceptional Educ. II	3
EDCI 347 Adolescent Development	3	BIOL 343 Environmental Biology & Lab.	4
PHYS 215 Physics for Engineers Lab I	1	BIOL 347 Microbiology	4
EDCI 430 Integrating Sci., Math., & Health	3		
PHYS 216 Physics for Engineers Lab II	1		
	17 hrs		17 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PHYS 246 Physics for Engineers II	3	EDCI 450 Direct. Stud. Tch. 4-8	6
RDG 400 Content Area Reading	3	ELECTIVE (Any two hour course)	2
PHYS 245 Physics for Engineers I	3		
CHEM 111 Gen. Chemistry I Lab.	1		
RDG 401 Rdg. For Div. Populations	3		
	13 hrs		8 hrs

Bachelor of Science Degree in Interdisciplinary Studies

4-8 SCIENCE

Five Year Degree Plan – Total Credits: 121

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
PSY 131 General Psychology	3	BIOL 143 A Surv. Of Life Sci.	4
HIST 231 Soc. Polit. Hist. of U.S, to 1877	3	PE (Any 100-Level Course)	1
SOC 211 Soc. Adj. to College	1	ART 131 Drawing & Composition	3
	13 hrs		14 hrs

Second Year			
Third Semester		Fourth Semester	
PHYS 101 Prin. of Physical Science	4	BIOL 131 Biological Science I Lec	3
MATH 133 College Algebra	3	BIOL 111 Biological Science I Lab	1
ENG 230 World Literature I	3	MATH 235 Struc. & App. Of Numb. Sys.	3
POLS 231 American Polit. System I	3	EDCI 210 Instructional Technology I	3
		GEOG 132 World Regional Geography	3
	13 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 232 American Polit. System II	3	CHEM 131 Gen. Chemistry I	3
BIOL 132 Biological Science II Lec	3	CHEM 111 Gen. Chemistry I Lab.	1
BIOL 112 Biological Science II Lab	1	RDG 400 Content Area Reading	3
MATH 236 Found., Geom., Stat., Prob.	3	RDG 401 Rdg. For Div. Populations	3
EDCI 340 Instructional Technology II	3	ELECTIVE (Any two hour course)	2
	13 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
PHYS 245 Physics for Engineers I	3	PHYS 246 Physics for Engineers II	3
PHYS 215 Physics for Engineers Lab I	1	PHYS 216 Physics for Engineers Lab II	1
	10 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
SPED 370 Survey of Exceptional Educ. II	3	EDCI 450 Direct. Stud. Tch. 4-8	6
BIOL 343 Environmental Biology & Lab.	4	EDCI 430 Integrating Sci., Math., & Health	3
BIOL 347 Microbiology	4		
EDCI 347 Adolescent Development	3		
	14 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies

4-8 SCIENCE

Six Year Degree Plan - Total Credits: 121

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	ART 131 Drawing and Comp. I	3
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	10 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
BIOL 143 Survey of Life Science	4	BIOL 111 Biological Science I Lab	1
MATH 133 College Algebra	3	BIOL 131 Biological Science I Lec	3
ELECTIVE (Any two hour course)	2	PSY 131 General Psychology	3
		MATH 235 Struc. & App. of Numb. Sys.	3
	9 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
BIOL 112 Biological Science II Lab	1	POLS 231 American Polit. System I	3
BIOL 132 Biological Science II Lec	3	EDCI 210 Instructional Technology I	3
PHYS 101 Prin. of Physical Science	4	GEOG 132 World Regional Geography	3
ENG 230 World Literature I	3	SPED 370 Survey of Exceptional Educ. II	3
	11 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
POLS 232 American Polit. System II	3	CHEM 131 Gen. Chemistry I	3
MATH 236 Found., Geom., Stat., Prob.	3	CHEM 111 Gen. Chemistry I Lab.	1
EDCI 340 Instructional Technology II	3	RDG 400 Content Area Reading	3
RDG 401 Rdg. For Div. Populations	3	EDCI 347 Adolescent Development	3
	12 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
PHYS 245 Physics for Engineers I	3	PHYS 246 Physics for Engineers II	3
PHYS 215 Physics for Engineers Lab I	1	PHYS 216 Physics for Engineers Lab II	1
	10 hrs		10 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
BIOL 343 Environmental Biology & Lab.	4	EDCI 450 Direct. Stud. Tch. 4-8	6
BIOL 347 Microbiology	4		
EDCI 430 Integrating Sci., Math., & Health	3		
	11 hrs		6 hrs

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	3
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
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	17 hrs		17 hrs

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

Third Year			
Fifth Semester		Sixth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
GEOG 331 Geography of Texas	3	RDG 401 Rdg. For Div. Populations	3
SPED 370 Survey of Exceptional Educ. II	3	GEOG 332 Economic Geography	3
ECON 315 Environmental Economics	3	EDCI 329 Social Studies Strategies.	3
EDCI 340 Instructional Technology II	3	ELECTIVE (Any two hour course)	2
	18 hrs		17 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
SOC 335 Ethnic Groups in Society	3	EDCI 450 Direct. Stud. Teaching, 4-8	6
HIST 371 Texas History	3		
HIST 451 Mexican American History	3		
RDG 400 Content Area Reading	3		
EDCI 347 Adolescent Development	3		
	15 hrs		6 hrs

Bachelor of Science Degree in Interdisciplinary Studies
4-8 SOCIAL STUDIES/Nationally Recognized
Five 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	PHYS 101 Prin. of Physical Science	4
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	PE (Any 100-Level Course)	1
		SOC 211 Soc. Adj. to College	1
	12 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
MATH 133 College Algebra	3	GEOG 132 World Regional Geography	3
ENG 230 World Literature I	3	BIOL 143 Survey of Life Science	4
POLS 231 American Polit. System I	3	PSY 131 General Psychology	3
EDCI 210 Instructional Technology I	3	MATH 235 Struc. & App. Of Numb. Sys.	3
ELECTIVE (Any two hour course)	2		
	14 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 340 Instructional Technology II	3	BIOL 132 Biological Science II Lec	3
POLS 232 American Polit. System II	3	BIOL 112 Biological Science II Lab	1
BIOL 131 Biological Science I Lec	3	SPED 370 Survey of Exceptional Educ. II	3
BIOL 111 Biological Science I Lab	1	SOC 238 Introduction to Anthropology	3
MATH 236 Found., Geom., Stat., Prob.	3	GEOG 331 Geography of Texas	3
	13 hrs		13 hrs

Fourth year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 347 Adolescent Development	3	ECON 315 Environmental Economics	3
GEOG 332 Economic Geography	3	RDG 400 Content Area Reading	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
HIST 371 Texas History	3	EDCI 450 Direct. Stud. Teaching, 4-8	6
HIST 451 Mexican American History	3	SOC 335 Ethnic Groups in Society	3
EDCI329 Social Studies Strategies	3		
RDG 401 Rdg. For Div. Populations	3		
	12 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies
4-8 SOCIAL STUDIES/Nationally Recognized
Six 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	PHYS 101 Prin. of Physical Science	4
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	10 hrs		11 hrs

Second Year			
Third Semester		Fourth Semester	
MUSI 131 or ART 131	3	GEOG 132 World Regional Geography	3
Intro to Music or Drawing and Comp. I			
ENG 230 World Literature I	3	PSY 131 General Psychology	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
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Polit. System I	3	MATH 133 College Algebra	3
EDCI 210 Instructional Technology I	3	BIOL 143 Survey of Life Science	4
SOC 238 Introduction to Anthropology	3	POLS 232 American Polit. System II	3
ELECTIVE (Any two hour course)	2		
	11 hrs		10 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found., Geom., Stat., Prob.	3
SPED 370 Survey of Exceptional Educ. II	3	GEOG 332 Economic Geography	3
ECON 315 Environmental Economics	3	EDCI 347 Adolescent Development	3
EDCI 340 Instructional Technology II	3	SOC 335 Ethnic Groups in Society	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
HIST 371 Texas History	3	HIST 451 Mexican American History	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
GEOG 331 Geography of Texas	3	EDCI 450 Direct. Stud. Teaching, 4-8	6
EDCI 329 Social Studies Strategies	3	RDG 401 Rdg. For Div. Populations	3
RDG 400 Content Area Reading	3		
	9 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 Special Education All Levels/Nationally Recognized
 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	SOC 211 Soc. Adj. to College	1
	17 hrs		17 hrs

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	EDCI 340 Instructional Technology II	3
EDCI 210 Instructional Technology I	3		
	16 hrs		15 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
SPED 370 Survey of Exceptional Educ. II	3	RDG 301 Basic Concepts of Reading	3
SPED 309 Survey of Exceptional Educ. I	3	SPED 402 Assessment Practices	3
EDCI 405 Integrated L.A., Soc. St., & F. A.	3	SPED 403 Educational Procedures I	3
EDCI 347 Adolescent Development	3	SPED 405 Educational Procedures II	3
	18 hrs		18 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
SPED 404 Managing Behaviors	3	EDCI 463 Direct. Stud. Tch. Spec. Ed.	6
SPED 401 Field Experiences in Spec. Ed.	3	ELECTIVE (Any one hour course)	1
SPED 406 Sch./Comm. Collab. For Spec. Ed.	3		
EDCI 430 Integrating Sci., Math., & Health	3		
RDG 401 Rdg. For Div. Populations	3		
	15 hrs		7 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 ALL LEVEL SPECIAL EDUCATION/Nationally Recognized
 Five 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
ART 131 Drawing & Composition	3	PE (Any 100-Level Course)	1
		SOC 211 Soc. Adj. to College	1
	12 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
MATH 133 College Algebra	3	GEOG 132 World Regional Geography	3
ENG 230 World Literature I	3	BIOL 143 Survey of Life Science	4
POLS 231 American Polit. System I	3	PSY 131 General Psychology	3
EDCI 210 Instructional Technology I	3	MATH 235 Struc. & App. Of Numb. Sys.	3
ELECTIVE (Any one-hour course)	1		
	13 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 340 Instructional Technology II	3	SOC 257 School Sociology	3
POLS 232 American Polit. System II	3	SPED 370 Survey of Exceptional Educ. II	3
BIOL 131 Biological Science I Lec	3	SPED 309 Survey of Exceptional Educ. I	3
BIOL 111 Biological Science I Lab	1	RDG 301 Basic Concepts of Reading	3
MATH 236 Found., Geom., Stat., Prob.	3		
	13 hrs		12 hrs

Fourth year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
EDCI 347 Adolescent Development	3	EDCI 405 Integrated L.A., Soc. St., & F. A.	3
SPED 402 Assessment Practices	3	SPED 403 Educational Procedures I	3
		SPED 405 Educational Procedures II	3
	12 hrs		15 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
SPED 404 Managing Behaviors	3	EDCI 463 Direct. Stud. Tch. Spec. Ed.	6
SPED 401 Field Experiences in Spec. Ed.	3	RDG 401 Rdg. For Div. Populations	3
SPED 406 Sch./Comm. Collab. For Spec. Ed.	3		
EDCI 430 Integrating Sci., Math., & Health	3		
	12 hrs		9 hrs

Bachelor of Science Degree in Interdisciplinary Studies
 ALL LEVEL SPECIAL EDUCATION/Nationally Recognized
 Six 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 since 1877	3
HIST 231 Soc. Polit. Hist. of U.S. to 1877	3	PHYS 101 Prin. of Physical Science	4
SOC 211 Soc. Adj. to College	1	PE (Any 100-Level Course)	1
	10 hrs		11 hrs

Second Year			
Third Semester		Fourth Semester	
ART 131 Drawing & Composition	3	BIOL 111 Biological Science I Lab	1
BIOL 143 Survey of Life Science	4	BIOL 131 Biological Science I Lec	3
ENG 230 World Literature I	3	PSY 131 General Psychology	3
		MATH 133 College Algebra	3
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Polit. System I	3	POLS 232 American Polit. System II	3
EDCI 210 Instructional Technology I	3	GEOG 132 World Regional Geography	3
MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found., Geom., Stat., Prob.	3
ELECTIVE (Any one-hour course)	1	SOC 257 School Sociology	3
	10 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
SPED 370 Survey of Exceptional Educ. II	3	EDCI 347 Adolescent Development	3
SPED 309 Survey of Exceptional Educ. I	3	SPED 402 Assessment Practices	3
RDG 301 Basic Concepts of Reading	3	SPED 401 Field Experiences in Spec. Ed.	3
EDCI 340 Instructional Technology II	3		
	12 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Educ.	3	EDCI 328 Psy. Of Learn. Growth & Dev.	3
EDCI 339 Classroom Management	3	EDCI 350 Instructional Strategies	3
SPED 404 Managing Behaviors	3	EDCI 405 Integrated L.A., Soc. St., & F. A.	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
SPED 403 Educational Procedures I	3	EDCI 463 Direct. Stud. Tch. Spec. Ed.	6
SPED 405 Educational Procedures II	3	RDG 401 Rdg. For Div. Populations	3
SPED 406 Sch./Comm. Collab. For Spec. Ed.	3		
EDCI 430 Integrating Sci., Math., & Health	3		
	12 hrs		9 hrs

DEPARTMENT OF HEALTH AND KINESIOLOGY

The Department of Health and Kinesiology offers courses in Health (HED), courses in Human Performance (PE), two undergraduate degrees, and two graduate degrees. The Bachelor of Science (B.S.) in Health and Bachelor of Science (B.S.) in Human Performance are offered at the undergraduate level; the Master of Science (M.S.) in Health and the Master of Science (M.S.) in Human Performance are offered at the graduate level. The Department also offers two minors, one in Health and one in Human Performance, for students pursuing undergraduate degrees in other instructional units at the University. Students may also earn Teacher Certification for the state of Texas in either Health 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 and Master of Science 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 or the B.S. in Human Performance, there are several tracks of study, two tracks for the B.S. in Health and three tracks in Human Performance. Completion of the B.S. in Health - EC-12 (Option I, Track I) and completion of the B.S. in Human Performance - All Levels Teaching (Option II, Track I), and the B.S. Human Performance/Athletic Training – All Levels Teaching (Option II, Track II), require the matriculating students to be admitted to the Educator Preparation Program in the College of Education. Completion of the B.S. in Human Performance/Athletic Training (Option II, Track III) requires an externship. Both tracks II and III also require a mandatory 1800 clock 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.

Requirements for the B.S. in Health, the B.S. in Human Performance and the two minors (Health and Human Performance) are summarized. Interested students must first be admitted to the University, must satisfy the THEA/ASSET requirements, must eradicate deficiencies assessed at the time of admission through the General University Academic Center (GUAC), and must petition the Department for admission as THEA/ASSET 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 students in need of being admitted to the Educator 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, 211, 212, 127, 233, and 235 during the sophomore year, a departmental diagnostic comprehensive examination will be administered 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, 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). **PE 102 (1 credit) and BIOL 245 (4 credits) 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 a 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 credit), 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 credits specified.** As in the case of the Health minor, grades of “C” or better, where grades of “C-” are unacceptable, must be earned in all classes making up the 21 credits and in the cognate courses needed for the Human Performance minor.

Students who need to earn teacher certification in a second (supporting) teaching field may earn this additional certification in

either Health 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, 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/PE 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 HED/PE 399 are also required.**

Students wishing to pursue either a minor or certification in a second 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 and the B.S. in Human Performance; 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/ASSET 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>Duncan, Clyde Instructor B.S., M.S., Texas Southern University</p>	<p>Osueke, Samuel Professor B.S., University of Ife, Nigeria M.S., Texas Southern University Dr.P.H., University of Texas at Houston</p>
<p>Fisher, Dwalah Instructor B.S., M.S., Ed.D., Texas Southern University</p>	<p>Owlia, Gholamali Professor B.S., University of Iran Isfahan M.S., Texas Southern University Ph.D., Texas Woman's University</p>
<p>Harvey, John Instructor B.S., Wiley College M.S., Prairie View A & M University</p>	<p>Randle, Earnestine Assistant Professor B.S., M.S., Ed.D., Texas Southern University</p>
<p>Holden, Rickey Instructor B.A., M.S., Texas Southern University</p>	<p>Reynolds, Lacey Instructor B.S. Mississippi Industrial College M.S., Delta State University Ed.D., Texas Southern University</p>
<p>Horton, Marie Associate Professor B.S., Dillard University M.S., Texas Woman's University Ed.D., Texas Southern University</p>	<p>Robins, Thurman Professor B.S., Southern University M.S., Texas Southern University Ed.D., University of Houston</p>
<p>Hurst, Jesse Assistant Professor B.S., Oklahoma State University M.S., Prairie View A & M University Ed.D., Texas Southern University</p>	<p>Thomas, William Instructor B.S., M.S., Tennessee State University</p>
<p>Moreland, Robert Assistant Professor B.S., Tugaloo College M.S., Indiana University</p>	

HEALTH COURSES

HED 223	Basic CPR (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	History and Principles of Health (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.
HED 234	History and Biological Function (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	Emergency and Care of Injuries (3) Reinforcement of first aid and emergency care principles and concepts in challenging and motivational presentations. Three hours of lecture per week.
HED 335	Problems in Community Health (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	Organization and Administration of Health Programs (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	Sexually Transmitted Diseases (3) Overview of the causes, treatment, and prevention of sexually transmitted diseases, including socioeconomic variables. Three hours of lecture per week. Offered as needed.
HED 339	Diseases and Consumer Health (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	Environmental and Public Health (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	Health Seminar (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. Majors only. Prerequisite: Junior standing.
HED 432	Fitness for Living (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	Personal Health and Safety I (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.

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	Water Aerobics	(1)
	Aerobic activities conducted in water. Two hours of laboratory per week.	
PE 101	Bowling	(1)
	Study and practice of the basic techniques, scoring, and history of bowling. Two hours of laboratory per week.	
PE 102 (PHED 1164)	Physical Fitness	(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. Listed as PHED 1164 in the Texas Common Course Numbering System.	
PE 103	Racquetball	(1)
	Basic activity course in racquetball. Two hours of laboratory per week.	
PE 104	Intermediate Racquetball	(1)
	Advanced techniques and skills for racquetball. Two hours of laboratory per week. Prerequisite: PE 103. Offered as needed.	
PE 106	Intermediate Bowling	(1)
	Advanced techniques and skills for bowling. Two hours of laboratory per week. Prerequisite: PE 101. Offered as needed.	
PE 107	Walking, Jogging, and Fitness Appraisal	(1)
	Fitness techniques for walking and jogging as a life long activity. Two hours of laboratory per week.	
PE 108 (DANC 1145)	Modern Dance I	(1)
	Fundamentals of modern dance providing an opportunity for students to develop techniques, aesthetic appreciation, and creativity. Two hours of laboratory per week. Listed as DANC 1145 in the Texas Common Course Numbering System.	
PE 109 (DANC 1146)	Modern Dance II	(1)
	Continuation of PE 108. Two hours of laboratory per week. Listed as DANC 1146 in the Texas Common Course Numbering System.	
PE 110	Folk and Square Dance	(1)
	Dance instruction providing experiences in international folk dances, square dances, and folklore. Two hours of laboratory per week.	
PE 111	Team Sports I	(1)
	Theory, rules, and practice of soccer, flag/touch football, and volleyball. Three hours of laboratory per week. Restricted to majors.	
PE 112	Team Sports II	(1)
	Theory, rules, and practice of basketball, field hockey, and softball. Three hours of laboratory per week. Restricted to majors.	
PE 113	Speedball and Soccer	(1)
	Advanced techniques and skills for speedball and soccer. Two hours of laboratory per week.	
PE 115	Volleyball and Basketball	(1)
	Theory and practice in basketball and volleyball fundamentals. Two hours of laboratory per week.	

PE 116	Touch Football and Track Theory and practice in touch/flag football and track fundamentals. Two hours of laboratory per week.	(1)
PE 117	Swimming Instruction in basic swimming strokes. Two hours of laboratory per week.	(1)
PE 118	Golf Fundamentals and techniques of golf. Two hours of laboratory per week.	(1)
PE 119	Tennis and Badminton Fundamentals and techniques of tennis and badminton. Two hours of laboratory per week.	(1)
PE 120	Adapted Activities I Adapted activities for students unable to participate in regular human performance classes. Two hours of laboratory per week. Physician's statement required.	(1)
PE 121	Adapted Activities II Continuation of PE 120. Two hours of laboratory per week. Prerequisite: PE 120. Physician's statement required.	(1)
PE 122	Aerobic Activities Instruction and practice in basic aerobic activities. Two hours of laboratory per week.	(1)
PE 125	Weight Training Introductory course in the correct use of weights in body development. Two hours of laboratory per week.	(1)
PE 128	Tae Kwon-Do I 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)

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.

PE 123	Football and Basketball Lectures, demonstrations, and practice in advanced skills of football and basketball. Two hours of lecture per week. Offered as needed.	(2)
PE 124	Baseball and Track Lectures, demonstrations, and practice in advanced skills of baseball and track. Two hours of lecture per week. Offered as needed.	(2)
PE 127	Foundations I Basic foundations in human performance, including historical development, philosophical implication, and issues related to movement. Three hours of lecture per week.	(3)
PE 211	Individual/Dual Sports and Activities I Theory, rules, and practice of archery, bowling, dance, weight training, and gymnastics/tumbling.	(1)
PE 212	Individual/Dual Sports and Activities II Theory, rules, and practice of track and field, swimming, badminton, wrestling, tennis, golf, and cycling. Three hours of laboratory per week.	(1)
PE 233	Foundations II 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. Prerequisite: PE 127.	(3)

- PE 235 Introduction to Adapted Physical Education (3)**
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.
- PE 300 Athletic Training Practicum/Seminar I (3)**
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. **Athletic Training majors only.**
- PE 301 Athletic Training Practicum II (3)**
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. Prerequisite: PE 300.
- 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 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	<p>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.</p>
PE 339	<p>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.</p>
PE 370	<p>Athletic Training I (3) Demonstration of and management study of athletic injuries. Two hours of lecture and one hour of laboratory per week.</p>
PE 371	<p>Athletic Training II (3) 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. Prerequisite: PE 370.</p>
PE 372	<p>Therapeutic Exercise Modalities (3) Study of the use, selection, and application of therapeutic modalities in the rehabilitation of athletic injuries. Three hours of lecture per week.</p>
PE 374	<p>Sociology of Sports (3) 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.</p>
PE 378	<p>Individual Development and Motor Learning (3) 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.</p>
PE 379	<p>Facilities and Equipment Management (3) Discussion of skills and logistics necessary for management of sports facilities and related equipment. Three hours of lecture per week. Offered as needed.</p>
PE 399	<p>Physical Education Seminar (2) Issues and application of organizational and administrative principles of physical education. Two hours of lecture per week. Majors only. Prerequisite: Junior standing.</p>
PE 432	<p>Rhythms and Games for Elementary School Teachers (3) 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.</p>
PE 433	<p>Current Problems in Physical Education (3) Study of selected problems and trends in physical education. Three hours of lecture per week.</p>
PE 434	<p>Administration of Athletics (3) Implementation and evaluation of athletic programs in secondary schools. Three hours of lecture per week. Offered as needed.</p>
PE 435	<p>Tests and Measurements (3) 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.</p>
PE 437	<p>Kinesiology (3) Scientific study of the skeletal muscles and human movement. Two hours of lecture and one hour of laboratory per week. Prerequisite: BIOL 245.</p>

- PE 438** **Physiology of Exercise** **(3)**
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. Prerequisite: BIOL 245.
- PE 439** **Independent Study** **(3)**
Research and/or field work on selected projects or topics. Prerequisite: Consent of Advisor or Faculty Chair.
- PE 499** **Supervised Individual Work/Research in Athletic Training** **(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. **Athletic Training majors only.**

Bachelor of Science Degree in Health Studies (EC-12)
Four Year Degree Plan – Total Credits: 120

First Year			
First Semester		Second Semester	
Aesthetics (MUSI 131,239;THC 130 or Art 131)	3	ENG 132 Freshman English II	3
BIOL 143 Survey of Life Science	4	HIST 231 Social & Political History of the United States to 1877	3
ENG 131 Freshman English I	3	POLS 231 American Political Systems I	3
PE 102 Physical Fitness	1	HED 333 Emergency & Care of Injuries	3
HED 233 History & Principles of Health	2	PE 331 Performance Practicum	3
GEOG 132 World Regional Geography	3	CS 116 Introduction to Computer Science	3
	16 hrs		18 hrs

Second Year			
Third Semester		Fourth Semester	
PE 122 Aerobic Activities	1	HED 234 History & Biological Function	3
HIST 232 Social & Political History of the United States since 1877	3	ENG 235 American Literature	3
POLS 232 American Political Systems II	3	HED 335 Problems in Community Health	3
MATH 133 College Algebra	3	HED 340 Environmental and Public Health	3
SC 136 Public Address	3	HED 434 Mental Hygiene	3
BIOL 245 Human Anatomy and Physiology	4	HED 436 Hygiene of the School Child	3
	17 hrs		18 hrs

Third Year			
Fifth Semester		Sixth Semester	
HED 336 Org & Admin of Health Programs	3	EDCI 310 Principles & Foundations of Ed	3
HED 339 Diseases and Consumer Health	3	EDCI 328 Psychology of Learning & Dev	3
HED 399 Health Seminar	2	PE 107 Walking, Jogging and Fitness Appraisal	1
HED 432 Fitness for Living	3	RDG 401 Diverse Populations	3
HED 433 Personal Health & Safety I	3	SOC 157or PSY 131 Introduction to Sociology or General Psychology	3
HED 471 Personal Health & Safety II	3		
	17 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 339 Assessment and Evaluation	3	EDCI 464 Directed Student Teaching in High School	6
EDCI 350 Effective Instructional Strategies	3	PE 438 Physiology of Exercise	3
EDCI 210 Instructional Technology I	3		
HED 477 Human Sexuality	3		
	12 hrs		9 hrs

Bachelor of Science Degree in Health Studies (EC-12)
Five Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
Aesthetics (MUSI 131,239;THC 130 or Art 131)	3	PE 122 Aerobic Activities	1
BIOL 143 Survey of Life Science	4	BIOL 245 Human Anatomy and Physiology	4
GEOG 132 World Regional Geography	3	ENG 132 Freshman English II	3
ENG 131 Freshman English I	3	HED 233 History & Principles of Health	2
PE 102 Physical Fitness	1	HIST 231 Social & Political History of the United States to 1877	3
	14 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
MATH 133 College Algebra	3	HED 335 Problems in Community Health	3
SC 136 Public Address	3	HED 434 Mental Hygiene	3
CS 116 Introduction to Computer Science	3	HED 339 Diseases and Consumer Health	3
ENG 235 American Literature	3	POLS 231 American Political Systems I	3
HIST 232 Social & Political History of the United States since 1877	3	PE 107 Walking, Jogging and Fitness Appraisal	1
	15 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
HED 234 History & Biological Function	3	HED 336 Org & Admin of Health Programs	3
POLS 232 American Political Systems II	3	HED 340 Environmental and Public Health	3
PE 331 Performance Practicum	3	HED 436 Hygiene of the School Child	3
SOC 157or PSY 131 Introduction to Sociology or General Psychology	3	HED 477 Human Sexuality	3
HED 333 Emergency & Care of Injuries	3		
	15 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
HED 399 Health Seminar	2	EDCI 310 Principles & Foundations of Ed	3
HED 432 Fitness for Living	3	EDCI 328 Psychology of Learning & Dev	3
HED 433 Personal Health & Safety	3	EDCI 210 Instructional Technology I	3
HED 471 Personal Health & Safety II	3		
	11 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 339 Assessment and Evaluation	3	EDCI 464 Directed Student Teaching in High School	6
EDCI 350 Effective Instructional Strategies	3	PE 438 Physiology of Exercise	3
RDG 401 Diverse Populations	3		
	9 hrs		9 hrs

This Degree Plan may impact your Financial Aid

Bachelor of Science Degree in Health Studies (EC-12)
Six Year Degree Plan - Total Credits: 120

First year			
First Semester		Second Semester	
Aesthetics (MUSI 131,239;THC 130 or Art 131)	3	ENG 132 Freshman English II	3
BIOL 143 Survey of Life Science	4	HED 233 History & Principles of Health	2
ENG 131 Freshman English I	3	HIST 231 Social & Political History of the United States to 1877	3
GEOG 132 World Regional Geography	3	CS 116 Introduction to Computer Science	3
		PE 107 Walking, Jogging and Fitness Appraisal	1
	13 hrs		12hrs

Second Year			
Third Semester		Fourth Semester	
ENG 235 American Literature	2	HED 234 History & Biological Function	3
PE 102 Physical Fitness	1	HED 333 Emergency & Care of Injuries	3
POLS 231 American Political Systems I	3	PE 331 Performance Practicum	3
MATH 133 College Algebra	3	HED 335 Problems in Community Health	3
	9 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
BIOL 245 Human Anatomy and Physiology	4	POLS 232 American Political Systems II	3
PE 122 Aerobic Activities	1	HED 336 Org & Admin of Health Programs	3
HIST 232 Social & Political History of the United States since 1877	3	HED 340 Environmental and Public Health	3
SC 136 Public Address	3	HED 434 Mental Hygiene	3
	11 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
HED 432 Fitness for Living	3	RDG 401 Diverse Populations	3
HED 433 Personal Health & Safety	3	SOC 157or PSY 131 Introduction to Sociology or General Psychology	3
PE 438 Physiology of Exercise	3	HED 399 Health Seminar	2
HED 339 Diseases and Consumer Health	3	HED 436 Hygiene of the School Child	3
	12 hrs		11 hrs

fifth Year			
Ninth Semester		Tenth Semester	
HED 471 Personal Health & Safety II	3	EDCI 310 Principles & Foundations of Ed	3
HED 477 Human Sexuality	3	EDCI 328 Psychology of Learning & Dev	3
EDCI 210 Instructional Technology I	3		
	9 hrs		6 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
EDCI 339 Assessment and Evaluation	3	EDCI 464 Directed Student Teaching in High School	6
EDCI 350 Effective Instructional Strategies	3		
	6 hrs		6 hrs

This Degree Plan may impact your Financial Aid

Bachelor of Science Degree in Health Studies (Non-Teaching)
Four Year Degree Plan – Total Credits: 120

First Year			
First Semester		Second Semester	
Aesthetics (MUSI 131,239;THC 130 or Art 131)	3	POLS 231 American Political Systems I	3
BIOL 143 Survey of Life Science	4	PHYS 101 or GEOL 141 Principles of Physical Science or Intro to the Earth	4
ENG 131 Freshman English I	3	HED 233 History & Principles of Health	2
PE 102 Physical Fitness	1	ENG 132 Freshman English II	3
PE 107 Walking, Jogging and Fitness Appraisal	1	HIST 231 Social & Political History of the United States to 1877	3
HED Basic CPR	2		
	14 hrs		15 hrs

Second Year			
Third Semester		Fourth Semester	
PE 122 Aerobic Activities	1	ENG 235 American Literature	3
MATH 133 College Algebra	3	BIOL 245 Human Anatomy and Physiology	4
POLS 232 American Political Systems II	3	HED 234 History & Biological Function	3
SC 136 Public Address	3	HED 333 Emergency & Care of Injuries	3
HIST 232 Social & Political History of the United States since 1877	3	SOC 157or PSY 131 Introduction to Sociology or General Psychology	3
CS 116 Introduction to Computer Science	3		
	16 hrs		16 hrs

Third Year			
Fifth Semester		Sixth Semester	
HED 335 Problems in Community Health	3	HED 340 Environmental and Public Health	3
HED 336 Org & Admin of Health Programs	3	HED 399 Health Seminar	2
HED 339 Diseases and Consumer Health	3	HED 433 Personal Health & Safety I	3
HED 432 Fitness for Living	3	HED 434 Mental Hygiene	3
PE 437or 438 Kinesiology or Physiology of Exercise	3	HED 471 Personal Health & Safety II	3
		HED 472 Foundations of Safety	3
	15 hrs		17 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
Outside Interest (Student's Choice)	12	HED 499 Supervised Individual Work, Research in Community Health	6
HED 477 Human Sexuality	3	APPROVED ELECTIVES	6
	15 hrs		12 hrs

Bachelor of Science Degree in Health Studies (Non-Teaching)
Five Year Degree Plan – Total Credits: 120

First Year			
First Semester		Second Semester	
Aesthetics (MUSI 131,239;THC 130 or Art 131)	3	ENG 132 Freshman English II	3
BIOL 143 Survey of Life Science	4	PHYS 101 or GEOL 141 Principles of Physical Science or Intro to the Earth	4
ENG 131 Freshman English I	3	HED 233 History & Principles of Health	2
PE 102 Physical Fitness	1	POLS 231 American Political Systems I	3
PE 107 Walking, Jogging and Fitness Appraisal	1		
	12 hrs		12hrs

Second Year			
Third Semester		Fourth Semester	
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
MATH 133 College Algebra	3	POLS 232 American Political Systems II	3
ENG 235 American Literature	3	SC 136 Public Address	3
CS 116 Introduction to Computer Science	3	HED 333 Emergency & Care of Injuries	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
BIOL 245 Human Anatomy and Physiology	4	HED 340 Environmental and Public Health	3
HED 223 Basic CPR	2	HED 433 Personal Health & Safety	3
HED 234 History & Biological Function	3	HED 434 Mental Hygiene	3
HED 335 Problems in Community Health	3	SOC 157or PSY 131 Introduction to Sociology or General Psychology	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
HED 336 Org & Admin of Health Programs	3	HED 399 Health Seminar	2
HED 339 Diseases and Consumer Health	3	HED 471 Personal Health & Safety II	3
HED 432 Fitness for Living	3	HED 472 Foundations of Safety	3
PE 437or 438 Kinesiology or Physiology of Exercise	3	HED 477 Human Sexuality	3
		PE 122 Aerobic Activities	1
	12hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
Outside Interest	12	HED 499 Supervised Individual Work, Research in Community Health	6
		Approved Elective	3
		Approved Elective	3
	12hrs		12 hrs

This Degree Plan may impact your Financial Aid

Bachelor of Science Degree in Health Studies (Non-Teaching)
Six Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
Aesthetics (MUSI 131,239;THC 130 or Art 131)	3	ENG 132 Freshman English II	3
BIOL 143 Survey of Life Science	4	SC 136 Public Address	3
PE 102 Physical Fitness	1	PHYS 101 or GEOL 141 Principles of Physical Science or Introduction to the Earth	4
ENG 131 Freshman English I	3	HED 233 History & Principles of Health	2
	11 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
PE 122 Aerobic Activities	1	MATH 133 College Algebra	3
HIST 231 Social & Political History of the United States to 1877	3	POLS 231 American Political Systems I	3
ENG 235 American Literature	3	CS 116 Introduction to Computer Science	3
HED 234 History & Biological Function	3	HED 333 Emergency & Care of Injuries	3
	10hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
BIOL 245 Human Anatomy and Physiology	4	HED 340 Environmental and Public Health	3
HIST 232 Social & Political History of the United States since 1877	3	HED 472 Foundations of Safety	3
HED 335 Problems in Community Health	3	HED 433 Personal Health & Safety	3
	10hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
POLS 232 American Political Systems II	3	SOC 157or PSY 131 Introduction to Sociology or General Psychology	3
HED 223 Basic CPR	2	HED 432 Fitness for Living	3
PE 107 Walking, Jogging and Fitness Appraisal	1	HED 434 Mental Hygiene	3
Outside Interest	3		
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
PE 437or 438 Kinesiology or Physiology of Exercise	3	HED 477 Human Sexuality	
Outside Interest	3	HED 471 Personal Health & Safety II	3
HED 336 Org & Admin of Health Programs	3	Approved Elective	3
HED 399 Health Seminar	2		
	11 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
Outside Interest	3	HED 499 Supervised Individual Work, Research in Community Health	6
Outside Interest	3	Approved Elective	3
HED 339 Diseases and Consumer Health	3		
	9 hrs		9 hrs

This Degree Plan may impact your Financial Aid

Bachelor of Science Degree in Human Performance (All-Levels-Teaching)
Four Year Degree Plan - Total Credits: 120

First year			
First Semester		Second Semester	
PE 112 Team Sports II	1	ENG 132 Freshman English II	3
PE 127 Foundations I	3	GEOG 132 World Regional Geography	3
ENG 131 Freshman English I	3	CS 116 Introduction to Computer Science	3
SC 136 Public Address	3	PSY 131 General Psychology	3
BIOL 143 Survey of Life Science & Lab	4	Aesthetics (MUSI 131,239;THC 130 or Art 131)	3
MATH 133 College Algebra	3		
	17 hrs		15hrs

Second Year			
Third Semester		Fourth Semester	
PE 211 Individual/Dual Sports & Activities I	1	PE 212 Individual/Dual Sports & Activities II	1
PE 233 Foundations II	3	PE 235 Intro to Adapted Physical Education	3
ENG 230 or 231 World Literature I or II	3	PE 324 Advanced Swimming	2
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
BIOL 245 Human Anatomy and Physiology	4	Elective	3
		PE 336 Org & Admin of Physical Education	3
	17hrs		18hrs

Third Year			
Fifth Semester		Sixth Semester	
PE 302 Physical Fitness for Elementary and Secondary Schools	3	EDCI 339 Assessment and Evaluation	3
PE 331 Performance Practicum	3	EDCI 350 Effective Instructional Strategies	3
EDCI 310 Principles & Foundations of Ed	3	PE 337 Movement Skill Development at the Elementary Level	3
EDCI 328 Psychology of Learning & Dev	3	PE 378 Individual Development and Motor Learning	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PE 332 Coaching & Officiating	3	PE 435 Tests and Measurements	3
PE 399 Physical Education Seminar	2	PE 438 Physiology of Exercise	3
PE 437 Kinesiology	3	EDCI 468 Directed Student Teaching- All Lvl	6
HED 333 Emergency & Care of Injuries	3		
RDG 401 Diverse Populations	3		
PE 338 Principles & Techniques for Outdoor & Leisure Activities	3		
	17 hrs		12 hrs

Bachelor of Science Degree in Human Performance (All-Levels-Teaching)
Five Year Degree Plan - Total Credits: 120

First year			
First Semester		Second Semester	
PE 112 Team Sports II	1	ENG 132 Freshman English II	3
PE 127 Foundations I	3	GEOG 132 World Regional Geography	3
ENG 131 Freshman English I	3	CS 116 Introduction to Computer Science	3
SC 136 Public Address	3	PSY 131 General Psychology	3
BIOL 143 Survey of Life Science & Lab	4		
	14 hrs		12hrs

Second Year			
Third Semester		Fourth Semester	
MATH 133 College Algebra	3	Aesthetics (MUSI 131,239;THC 130 or Art 131)	3
PE 211 Individual/Dual Sports & Activities I	1	PE 212 Individual/Dual Sports & Activities II	1
ENG 230 or 231 World Literature I or II	3	PE 324 Advanced Swimming	2
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
		PE 235 Intro to Adapted Physical Education	3
	13hrs		15hrs

Third Year			
Fifth Semester		Sixth Semester	
BIOL 245 Human Anatomy and Physiology	4	PE 337 Movement Skill Development at the Elementary Level	3
PE 233 Foundations II	3	Elective	3
PE 302 Physical Fitness for Elementary and Secondary Schools	3	PE 336 Org & Admin of Physical Education	3
PE 332 Coaching & Officiating	3	PE 378 Individual Development and Motor Learning	3
	13 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Ed	3	PE 435 Tests and Measurements	3
EDCI 328 Psychology of Learning & Dev	3	EDCI 339 Assessment and Evaluation	3
PE 331 Performance Practicum	3	EDCI 350 Effective Instructional Strategies	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
PE 399 Physical Education Seminar	2	PE 438 Physiology of Exercise	3
PE 437 Kinesiology	3	EDCI 468 Directed Student Teaching-All Levels	6
HED 333 Emergency & Care of Injuries	3		
RDG 401 Diverse Populations	3		
PE 338 Principles & Techniques for Outdoor & Leisure Activities	3		
	14 hrs		9 hrs

This Degree Plan may impact your Financial Aid

Bachelor of Science Degree in Human Performance (All-Levels-Teaching)
Six Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
PE 112 Team Sports II	1	ENG 132 Freshman English II	3
PE 127 Foundations I	3	GEOG 132 World Regional Geography	3
ENG 131 Freshman English I	3	CS 116 Introduction to Computer Science	3
BIOL 143 Survey of Life Science & Lab	4	PSY 131 General Psychology	3
	11 hrs		12hrs

Second Year			
Third Semester		Fourth Semester	
PE 211 Individual/Dual Sports & Activities I	1	Aesthetics (MUSI 131,239;THC 130 or Art 131)	3
ENG 230 or 231 World Literature I or II	3	PE 212 Individual/Dual Sports & Activities II	1
HIST 231 Social & Political History of the United States to 1877	3	PE 324 Advanced Swimming	2
POLS 231 American Political Systems I	3	HIST 232 Social & Political History of the United States since 1877	3
		POLS 232 American Political Systems II	3
	10hrs		12hrs

Third Year			
Fifth Semester		Sixth Semester	
MATH 133 College Algebra	3	PE 235 Intro to Adapted Physical Education	3
SC 136 Public Address	3	Elective	3
BIOL 245 Human Anatomy and Physiology & Lab	4	PE 337 Movement Skill Development at the Elementary Level	3
PE 233 Foundations II	3		
	13 hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PE 302 Physical Fitness for Elementary and Secondary Schools	3	PE 378 Individual Development and Motor Learning	3
PE 332 Coaching & Officiating Sports Activities for Secondary Schools	3	PE 336 Org & Admin of Physical Education	3
RDG 401 Diverse Populations	3	EDCI 339 Assessment and Evaluation	3
PE 331 Performance Practicum	3		
	12 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Ed	3	EDCI 339 Assessment and Evaluation	3
EDCI 328 Psychology of Learning & Dev	3	EDCI 350 Effective Instructional Strategies	3
PE 399 Physical Education Seminar	2		
	8 hrs		6 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
PE 437 Kinesiology	3	EDCI 468 Directed Student Teaching-All Levels	6
HED 333 Emergency & Care of Injuries	3	PE 438 Physiology of Exercise	3
PE 338 Prin &Tech for Outdoor Activities	3		
	9 hrs		9 hrs

This Degree Plan may impact your Financial Aid

Bachelor of Science Degree in Human Performance/ Athletic Training (All-Levels-Teaching)
Four Year Degree Plan - Total Credits: 120

First year			
First Semester		Second Semester	
PE 127 Foundations I	3	ENG 132 Freshman English II	3
ENG 131 Freshman English I	3	GEOG 132 World Regional Geography	3
SC 136 Public Address	3	CS 116 Introduction to Computer Science	3
BIOL 143 Survey of Life Science & Lab	4	PSY 131 General Psychology	3
MATH 133 College Algebra	3	Aesthetics (MUSI 131,239;THC 130 or Art 131)	3
		Elective	3
	16 hrs		18hrs

Second Year			
Third Semester		Fourth Semester	
PE 233 Foundations II	3	PE 235 Intro to Adapted Physical Education	3
ENG 230 or 231 World Literature I or II	3	PE 324 Advanced Swimming	2
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
BIOL 245 Human Anatomy and Physiology	4	PE 336 Org & Admin of Physical Education	3
		HED 333 Emergency & Care of Injuries	3
	16hrs		17hrs

Third Year			
Fifth Semester		Sixth Semester	
EDCI 310 Principles & Foundations of Ed	3	EDCI 339 Assessment and Evaluation	3
EDCI 328 Psychology of Learning & Dev	3	EDCI 350 Effective Instructional Strategies	3
PE 302 Physical Fitness for Elementary and Secondary Schools	3	PE 370 Athletic Training I	3
PE 331 Performance Practicum	3	HSMR 362 Medical Term/Word Processing	3
FN 233 Elementary Nutrition	3		
	15hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PE 371 Athletic Training II	3	EDCI 468 Directed Student Teaching- All Lvl	6
PE 372 Therapeutic Exercise Modalities	3	PE 438 Physiology of Exercise	3
PE 378 Individual Development and Motor Learning	3		
RDG 401 Diverse Populations	3		
PE 437 Kinesiology	3		
PE 399 Physical Education Seminar	2		
	17 hrs		9 hrs

**Internship Requirements: 1800 Clock Hours working under the guidance of a certified/licensed athletic trainer

Bachelor of Science Degree in Human Performance/ Athletic Training (All-Levels-Teaching)
Five Year Degree Plan - Total Credits: 120

First year			
First Semester		Second Semester	
PE 127 Foundations I	3	ENG 132 Freshman English II	3
ENG 131 Freshman English I	3	GEOG 132 World Regional Geography	3
SC 136 Public Address	3	CS 116 Introduction to Computer Science	3
BIOL 143 Survey of Life Science & Lab	4	PSY 131 General Psychology	3
	13 hrs		12hrs

Second Year			
Third Semester		Fourth Semester	
MATH 133 College Algebra	3	Aesthetics (MUSI 131,239;THC 130 or Art 131)	3
ENG 230 or 231 World Literature I or II	3	PE 235 Intro to Adapted Physical Education	3
HIST 231 Social & Political History of the United States to 1877	3	PE 324 Advanced Swimming	2
POLS 231 American Political Systems I	3	HIST 232 Social & Political History of the United States since 1877	3
PE 233 Foundations II	3	POLS 232 American Political Systems II	3
	15 hrs		14 hrs

Third Year			
Fifth Semester		Sixth Semester	
BIOL 245 Human Anatomy and Physiology	4	PE 336 Org & Admin of Physical Education	3
FN 233 Elementary Nutrition	3	HED 333 Emergency & Care of Injuries	3
PE 302 Physical Fitness for Elementary and Secondary Schools	3	Elective	3
PE 331 Performance Practicum	3	HSMR 362 Medical Term/Word Processing	3
	13hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
EDCI 310 Principles & Foundations of Ed	3	EDCI 339 Assessment and Evaluation	3
EDCI 328 Psychology of Learning & Dev	2	EDCI 350 Effective Instructional Strategies	3
PE 399 Physical Education Seminar	2	PE 370 Athletic Training I	3
RDG 401 Diverse Populations	3		
	10 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
PE 371 Athletic Training II	3	EDCI 468 Directed Student Teaching-All Levels	6
PE 372 Therapeutic Exercise Modalities	3	PE 438 Physiology of Exercise	3
PE 378 Individual Development and Motor Learning	3		
PE 437 Kinesiology	3		
	12 hrs		9 hrs

**Internship Requirements: 1800 Clock Hours working under the guidance of a certified/licensed athletic trainer

This Degree Plan may impact your Financial Aid

Bachelor of Science Degree in Human Performance/ Athletic Training (All-Levels-Teaching)
Six Year Degree Plan - Total Credits: 120

First year			
First Semester		Second Semester	
PE 127 Foundations I	3	ENG 132 Freshman English II	3
ENG 131 Freshman English I	3	GEOG 132 World Regional Geography	3
SC 136 Public Address	3	CS 116 Introduction to Computer Science	3
BIOL 143 Survey of Life Science & Lab	4	PSY 131 General Psychology	3
	13 hrs		12hrs

Second Year			
Third Semester		Fourth Semester	
MATH 133 College Algebra	3	PE 235 Intro to Adapted Physical Education	3
ENG 230 or 231 World Literature I or II	3	HIST 232 Social & Political History of the United States since 1877	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		
	12hrs		9 hrs

Third Year			
Fifth Semester		Sixth Semester	
BIOL 245 Human Anatomy and Physiology	4	PE 324 Advanced Swimming	2
PE 233 Foundations II	3	HED 333 Emergency & Care of Injuries	3
PE 302 Physical Fitness for Elementary and Secondary Schools	3	Aesthetics (MUSI 131,239;THC 130 or Art 131)	3
FN 233 Elementary Nutrition	3		
	13hrs		8 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PE 331 Performance Practicum	3	PE 336 Org & Admin of Physical Education	3
RDG 401 Diverse Populations	3	Elective	3
PE 437 Kinesiology	3	HSMR 362 Medical Term/Word Processing	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Principles & Foundations of Ed	3	EDCI 339 Assessment and Evaluation	3
EDCI 328 Psychology of Learning & Dev	3	EDCI 350 Effective Instructional Strategies	3
PE 399 Physical Education Seminar	2	PE 370 Athletic Training I	3
	8 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
PE 371 Athletic Training II	3	EDCI 468 Directed Student Teaching-All Levels	6
PE 372 Therapeutic Exercise Modalities	3	PE 438 Physiology of Exercise	3
PE 378 Individual Development and Motor Learning	3		
	9 hrs		9 hrs

**Internship Requirements: 1800 Clock Hours working under the guidance of a certified/licensed athletic trainer

This Degree Plan may impact your Financial Aid

Bachelor of Science Degree in Human Performance/ Athletic Training (Non-Teaching)
Four Year Degree Plan - Total Credits: 121

First year			
First Semester		Second Semester	
PE 127 Foundations I	3	ENG 132 Freshman English II	3
ENG 131 Freshman English I	3	GEOG 132 World Regional Geography	3
SC 136 Public Address	3	CS 116 Introduction to Computer Science	3
BIOL 143 Survey of Life Science & Lab	4	PSY 131 General Psychology	3
MATH 133 College Algebra	3	Aesthetics (MUSI 131,239;THC 130 or Art 131)	3
HED 233 Hist & Prin of Health	2	Elective	3
	18 hrs		18hrs

Second Year			
Third Semester		Fourth Semester	
PE 211 Ind/Dual Sports & Activities I	1	PE 212 Ind/Dual Sports & Activities II	1
PE 233 Foundations II	3	PE 235 Intro to Adapted Physical Education	3
ENG 230 or 231 World Literature I or II	3	PE 324 Advanced Swimming	2
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
BIOL 245 Human Anatomy and Physiology	4	HED 333 Emergency & Care of Injuries	3
	17hrs		15hrs

Third Year			
Fifth Semester		Sixth Semester	
PE 302 Physical Fitness for Elementary and Secondary Schools	3	PE 339 Fundamentals of Movement	3
FN 233 Elementary Nutrition	3	PE 370 Athletic Training I	3
HED 223 Basis CPR	2	HSMR 362 Medical Term/Word Processing	3
PE 336 Org & Admin of Physical Education	3	PHYS 101 Principles of Physical Science	4
Elective	3		
	14hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PE 371 Athletic Training II	3	PE 372 Therapeutic Exercise Modalities	3
PE 374 Sociology of Sports	3	PE 438 Physiology of Exercise	3
PE 378 Individual Development and Motor Learning	3	PE 499 Supervised Individual Work (Senior Athletic Trainers Only)	6
PE 437 Kinesiology	3		
PE 399 Physical Education Seminar	2		
	14 hrs		12 hrs

**Internship Requirements: 1800 Clock Hours working under the guidance of a certified/licensed athletic trainer

Bachelor of Science Degree in Human Performance/ Athletic Training (Non-Teaching)
Five Year Degree Plan - Total Credits: 121

First year			
First Semester		Second Semester	
PE 127 Foundations I	3	ENG 132 Freshman English II	3
ENG 131 Freshman English I	3	GEOG 132 World Regional Geography	3
SC 136 Public Address	3	CS 116 Introduction to Computer Science	3
BIOL 143 Survey of Life Science & Lab	4	PSY 131 General Psychology	3
HED 233 Hist & Prin of Health	2	Aesthetics (MUSI 131,239;THC 130 or Art 131)	3
	15 hrs		15hrs

Second Year			
Third Semester		Fourth Semester	
PE 211 Ind/Dual Sports & Activities I	1	PE 212 Ind/Dual Sports & Activities II	1
HIST 231 Social & Political History of the United States to 1877	3	PE 235 Intro to Adapted Physical Education	3
ENG 230 or 231 World Literature I or II	3	PE 324 Advanced Swimming	2
BIOL 245 Human Anatomy and Physiology	4	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
	14hrs		12hrs

Third Year			
Fifth Semester		Sixth Semester	
PE 233 Foundations II	3	HED 333 Emergency & Care of Injuries	3
PE 302 Physical Fitness for Elementary and Secondary Schools	3	Elective	3
FN 233 Elementary Nutrition	3	PE 339 Fundamentals of Movement	3
HED 223 Basis CPR	2	PE 370 Athletic Training I	3
MATH 133 College Algebra	3		
	14hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PE 336 Org & Admin of Physical Education	3	HSMR 362 Medical Term/Word Processing	3
Elective	3	PHYS 101 Principles of Physical Science	4
PE 371 Athletic Training II	3	PE 438 Physiology of Exercise	3
PE 399 Physical Education Seminar	2		
	11 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
PE 378 Individual Development and Motor Learning	2	PE 499 Supervised Individual Work	6
PE 374 Sociology of Sports	3	PE 372 Therapeutic Exercise Modalities	3
PE 437 Kinesiology	3		
	9 hrs		9 hrs

**Internship Requirements: 1800 Clock Hours working under the guidance of a certified/licensed athletic trainer

Bachelor of Science Degree in Human Performance/ Athletic Training (Non-Teaching)
Six Year Degree Plan - Total Credits: 121

First year			
First Semester		Second Semester	
PE 127 Foundations I	3	ENG 132 Freshman English II	3
ENG 131 Freshman English I	3	GEOG 132 World Regional Geography	3
HED 233 Hist & Prin of Health	2	CS 116 Introduction to Computer Science	3
BIOL 143 Survey of Life Science & Lab	4	PSY 131 General Psychology	3
	12 hrs		12hrs

Second Year			
Third Semester		Fourth Semester	
PE 211 Ind/Dual Sports & Activities I	1	PE 212 Ind/Dual Sports & Activities II	1
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
ENG 230 or 231 World Literature I or II	3	PE 324 Advanced Swimming	2
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	10hrs		9hrs

Third Year			
Fifth Semester		Sixth Semester	
BIOL 245 Human Anatomy & Physiology	4	Aesthetics (MUSI 131,239;THC 130 or Art 131)	3
PE 233 Foundations II	3	PE 235 Intro to Adapted Physical Education	3
MATH 133 College Algebra	3	HED 333 Emergency & Care of Injuries	3
	10 hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PE 302 Physical Fitness for Elementary and Secondary Schools	3	Elective	3
FN 233 Elementary Nutrition	3	PE 339 Fundamentals of Movement	3
HED 223 Basic CPR	2	PE 370 Athletic Training I	3
SC 136 Public Address	3		
	11 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
PE 336 Org & Admin of Physical Education	3	HSMR 362 Medical Term/Word Processing	3
Elective	3	PHYS 101 Principles of Physical Science	4
PE 371 Athletic Training II	3	PE 438 Physiology of Exercise	3
PE 399 Physical Education Seminar	2		
	11 hrs		10 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
PE 378 Individual Development and Motor Learning	3	PE 499 Supervised Individual Work	6
PE 437 Kinesiology	3	PE 372 Therapeutic Exercise Modalities	3
PE 374 Sociology of Sports	3		
	9 hrs		9 hrs

**Internship Requirements: 1800 Clock Hours working under the guidance of a certified/licensed athletic trainer



COLLEGE OF LIBERAL ARTS AND BEHAVIORAL SCIENCES

OVERVIEW

As the largest and most diversified overall instructional unit (that is, college or school) at Texas Southern University, the College of Liberal Arts and Behavioral Sciences offers sixteen (16) different undergraduate or baccalaureate degrees and seven (7) different graduate degrees through eight (8) departments. The eight (8) departments are situated at various locations, and students are referred to the sections below for information concerning these departments. Students should also refer to the Graduate Bulletin of Texas Southern University for detailed descriptions of the seven graduate degrees. A summary of the degrees and departments, by name, appears in the chart below:

Department	Undergraduate Degrees	Graduate Degrees
English	Bachelor of Arts in English	Master of Arts in English
Fine Arts	Bachelor of Arts in Art Bachelor of Arts in Music Bachelor of Arts in Theatre	Master of Arts in Fine Arts
Foreign Languages	Bachelor of Arts in French Bachelor of Arts in Spanish	
History, Geography, and Economics	Bachelor of Arts in History Bachelor of Arts in Economics Bachelor of Arts in General Studies	Master of Arts in History
Human Services and Consumer Sciences	Bachelor of Science in Dietetics Bachelor of Science in Human Services and Consumer Sciences	Master of Science in Human Services and Consumer Sciences
Psychology	Bachelor of Arts in Psychology	Master of Arts in Psychology
Social Work	Bachelor of Arts in Social Work	
Sociology	Bachelor of Arts in Sociology	Master of Arts in Sociology

The College of Liberal Arts and Behavioral Sciences offers 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, including teaching careers. Since the Dean’s Office does not directly house faculty, responsibility for the mentoring and advising of students who wish to pursue the B.A. in General Studies is assigned to the Department of History, Geography, and Economics in the College. Students interested in the General Studies undergraduate degree should, therefore, contact that 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 does provide students having such an interest with 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 after a conventional model of dean and faculty chairs as programmatic supervisors. The Assistant to the Dean is charged with administrative matters related to student affairs and acts in the Dean’s stead in certain matters. The Office of the Dean is located in Room 201 of Hannah Hall, and the Office of the Assistant to the Dean is located in Room 202 of Hannah Hall. The Office of the Dean may be contacted by calling (713)-313-4287.

MISSION STATEMENT

The most diversified instructional unit at the University is the College of Liberal Arts and Behavioral Sciences. Its mission 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) wishing 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 and referenced in chapter two of this document. Once admitted, students are assigned to the General University Academic Center (GUAC) until they fulfill ASSET requirements, until they eradicate deficiencies identified at the time of admission, and until prerequisites established by the various departments in the College, where majors and minors may be declared, are completed. While under the guidance of GUAC, students should develop rapport with the departments in which they intend to declare majors and minors (if required). The departmental offices provide advisement upon request related to courses available 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 chapter two of 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 Fine Arts. Interested students who are not Fine Arts Majors are eligible to participate in these groups and should contact the Fine Arts Department Office for further information.

ACCREDITATION

All programs in the College of Arts and 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 eight departments in the College of Arts and 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 at Texas Southern University is to teach literature and language at the level of the core curriculum 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 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, with two tracks, with thesis, Track I, and without thesis, Track II.

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 an English major or minor, students must register in the Department of English and seek advisement from departmental advisors. For the baccalaureate or undergraduate degree, students must satisfactorily complete a minimum of 122 semester hours for the B.A. Degree in English, Track I, and 122 semester hours for the B.A. Degree in English, Track II. Students majoring in English Track I are required to declare a minor. Students majoring in English Track II are required to minor in Education. 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 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, 122 semester hours are required, including the following three-credit courses: ENG 230, ENG 231, 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, 122 semester hours are required, including the following three-credit courses: ENG 230, ENG 231, 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 302, ENG 303 or ENG 304, ENG 338, ENG 430, ENG 432, and ENG 440 or 441.**

The offices of the Department of English and of the faculty of 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 Associate 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 Assistant Professor and Interim Chair B.A., Spelman College M.S., George Peabody College M.A., 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>Conerly, Joyce Administrative Assistant English Department conerly_jy@tsu.edu 713-313-7916 MLK 1060</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>Taylor-Thompson, Betty Professor B.A., Fisk University M.S.L.S., Atlanta University M.A., Ph.D., Howard University taylor-thompson_bt@tsu.edu 713 -313-7616 MLK 146</p>
<p>Johnson, Melba M. Instructor B.A., M.A., Texas Southern University johnson_mm@tsu.edu 713-313-7535 MLK 144</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. Assistant 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>	

- ENG 320 Introduction to Creative Writing (3)**
Creative writing workshop in both fiction and poetry. Three hours of lecture per week. Prerequisites: Completion of all required 200-level ENG courses and consent of the instructor.
- 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 343 African Literature (3)**
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 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 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 430 History and Theory of Language Study (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** **Seminar 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.

Bachelor of Arts in English
Track I (Non-Teaching Plan)
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
SPAN (or FR) 131 Elementary Spanish (or FR) I	3	SPAN (or FR) 132 Elementary Spanish (or FR) II	3
SC 135 Business Professional Communication or 136 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	PHYS 101 Principles of Physical Science	4
BIOL 143, 143L Survey of Life Science I	4	MATH 133 College Algebra	3
	16 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
Core or Elective	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

Bachelor of Arts in English
Track I (Non-Teaching Plan)
Five Year Degree Plan - Total Credits: 122

First Year			
First Semester		Second Semester	
ENG 131 Freshman English	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
BIOL 143, 143L Survey of Life Science I	4	PHYS 101 Principles of Physical Science	4
SC 135 Business & Professional Communication or 136 Public Address	3	MATH 133 College Algebra	3
	13 hrs		13 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
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
POLS 231 American Political System I	3	POLS 232 American Political System II	3
	12 hrs		12 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
PSY 131 General Psychology	3	Art, Music or Theater	3
Core or Elective	3	CS 116 Computer Science	3
	12 hrs		12 hrs

Fourth year			
Seventh Semester		Eighth Semester	
ENG 433 Shakespeare & Renaissance Studies	3	ENG 440 or 441 African American Literature	3
Approved English Elective	3	Approved English Elective	3
Minor	6	Minor	6
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
ENG 432 English Capstone	3	ENG 430 History & Theory of Language Study	3
Approved English Elective	3	Approved English Elective	3
Minor	6	Minor	6
	12 hrs		12 hrs

Bachelor of Arts in English
Track I Non-Teaching
Six Year Degree Plan - Total Credits: 122

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
BIOL 143, 143L Survey of Life Science I	4	PHYS 101 Principles of Physical Science	4
MATH 133 College Algebra	3		
	13 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 230 World Literature II	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
HIST 231 Social & Political History of the United State to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
CS 116 Computer S	3		
	12 hrs		9 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
Core or Elective	3	POLS 232 American Political System II	3
POLS 231 American Political System I	3		
	12 hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
ENG 433 Shakespeare & Renaissance Studies	3	ENG 440 or 441 African American Literature	3
Art, Music, or Theater	3	ENG 430 History & Theory of Language Study	3
SC 135 Business & Communication or 136 Public Address	3	Minor	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
Approved English Elective	6	Approved English Elective	3
PSY 131 General Psychology	3	Minor	6
Minor	3		
	12 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
ENG 432 English Capstone	3	Approved English Elective	6
Minor	6	Minor	3
	9 hrs		9 hrs

Bachelor of Arts in English
Track II with Teacher Certification for English Language Arts & Reading Grades 8-12
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
SPAN (or FR) 131 Elementary Spanish (or FR) I	3	SPAN (or FR) 132 Elementary Spanish (or FR) II	3
SC 135 Business & Professional Communication or 136 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	PHYS 101 Principles of Physical Science	4
BIOL 143, 143L Survey of Life Science I	4	MATH 133 College Algebra	3
	16 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

Bachelor of Arts in English
Track II with Teacher Certification for English Language Arts & Reading Grades 8-12
Five Year Degree Plan - Total Credits: 122

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
SPAN (or FR) Elementary Spanish (or FR) I	3	SPAN (or FR) 132 Elementary Spanish (or FR) II	3
SC 135 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	MATH 133 College Algebra	3
	12 hrs		12 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
	12 hrs		12 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	3	ENG 430 History & Theory of Language Study	3
BIOL 143, 143L Survey of Life Science I	4	PHYS 101 Principles of Physical Science	4
GEOG 132 World Geography	3	CS 116 Computer Science	3
	13 hrs		13 hrs

Fourth year			
Seventh Semester		Eighth Semester	
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 & Foundations of Education	3	EDCI 339 Classroom Management	3
EDCI 328 Psychology of Learning, Growth & Development	3	EDCI 350 Effective Instructional Strategies	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
ENG 432 English Capstone	3	EDCI 464 Directed Student Teaching in High School	6
Approved English Elective	3	EDCI 340 Instructional Technology	3
RDG 400 Middle School Reading	3		
RDG 402 Informal Diagnosis	3	Approved English Elective	3
	12 hrs		12 hrs

Bachelor of Arts in English
Track II with Teacher Certification for English Language Arts & Reading Grades 8-12
Six Year Degree Plan - Total Credits: 122

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
SC 135 Bus. Comm. Or 136 Pub. Address	3	HIST 231 Social & Political History of the United States Since 1877	3
HIST 231 Social & Political History of the United States to 1877	3	BIOL 143, 143L Survey of Life Science I	4
MATH 133 College Algebra	3		
	15 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 230 World Literature I	3	ENG 230 World Literature II	3
SPAN (or FR) 231 Intermediate Spanish (or FR) I	3	SPAN (or FR) 232 Intermediate Spanish (or FR) 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
PHYS 101 Principles of Physical Science	4		
	13 hrs		9 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 or II	3	CS 116 Computer Science	3
POLS 231 American Political System I	3	POLS 232 American Political System II	3
	9 hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
ENG 433 Shakespeare & Renaissance Studies	3	ENG 440 or 441 African American Literature	3
Art, Music or Theater	3	ENG 430 History & Theory of Language Study	3
SC 135 Business & Professional Communication or 136 Public Address	3	GEOG 132 World Geography	3
	9 hrs		9hrs

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 310 Prin. & Foundations of Education	3	EDCI 339 Classroom Management	3
EDCI 328 Psychology Learning Growth & Development	3	EDCI 350 Instructional Strategies	3
RDG 400 Content Area Reading	3	RDG 402 Informal Diagnosis	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
ENG 432 English Capstone	3	EDCI 464 Dir. Stud. Teach. 8-12	6
Approved English Electives	6	EDCI 340 Instructional Technology II	3
	9 hrs		9 hrs

DEPARTMENT OF FINE ARTS

The Department of Fine Arts represents the consolidation of three of the academic disciplines devoted to creative endeavors at the University: Art, Music and Theatre. Through its faculty members, courses are offered in Art (ART), Music (MUSI), Applied Music (MUSA), and Theatre (THC). **The Bachelor of Arts (B.A.) Degree in Art, the Bachelor of Arts (B.A.) Degree in Music, the Bachelor of Arts (B.A.) Degree in Theatre and the Master of Arts (M.A.) Degree in Fine Arts (Music) are offered along with minors in Art, Music and Theatre for students pursuing undergraduate degrees in other departments.** Members of the Department and departmental facilities are housed among four structures: the Rollins-Stewart Music Center, the Sawyer Auditorium/Ollington Smith Playhouse, the Rhinehart Music Auditorium, and the John T. Biggers Art Building. The Department Office is located on the first floor of the Rollins-Stewart Music Center in Room 112.

For detailed information on the Master of Arts Degree in Fine Arts, students are referred to the Graduate School Bulletin of Texas Southern University.

In pursuing the B.A. degree, students may select from three curriculum tracks of study: Art, Music and Theatre. Each of these three tracks also has specialty areas that students may select from. For the **B.A. in Art**, seven specialties or specializations are available: Art History, Ceramics and Sculpture, Design, Drawing, Painting, Printmaking and Education. For the **B.A. in Music**, four specialties or specializations are available: Performance, General, Jazz Studies, and Certification. For the **B.A. in Theatre**, two specialties or specializations are available: Performance and Technical Theatre. **In selecting one of these three tracks and an associated specialty, students who are first-time degree seekers are not required to declare a minor in a second academic discipline. Instead, they are required to complete 18 semester credit hours in the area of specialization.**

The primary mission of the Department of Fine Arts is to provide students with aesthetic experiences in art, music and theatre. Fundamentals, theories, and creativity are the basis of this extensive program which includes design, drawing, ceramics, printmaking, painting, sculpture, exhibitions, ensembles, solo performances and dramatic productions. Curricular offerings are designed to produce artists, performers, and directors, as well as provide a broad liberal arts education. Students are provided with a strong undergraduate education upon which to base the pursuit of advanced or graduate study. Faculty members in the Department are committed to providing an educational environment where aspiring visual and performing artists and craftsmen develop in the understanding and mastering of creative 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.

Requirements for the B.A. in Art, the B.A. in Music, and the B.A. in Theatre, as well as the five minors offered through this unit, are summarized below with exact requirements dependent upon the track, including specialty, or minor selected. A Dance specialty in Theatre and minor is in proposal stages. Please see advisor for course requirements. **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 the General University Academic Center (GUAC), 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 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 Art, 21 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 Music, 21 semester credit hours are required through enrollment in the following: MUSI 100 (1 credit), MUSI 131 (3 credits), MUSI 141 (3 credits), MUSI 142 (3 credits), two music ensemble courses (2 credits total), and 9 upper level elective credits in MUSI or MUSA. The minimum grade requirement for each course designated is referenced above.

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 THC 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.

For the minor in Fine Arts, 21 semester credit hours are required through enrollment in the following: ART 131 or 132 (3 credits), ART 201 (0-1 credits), ART 136, 137, 235 or 236 (3 credits), THC 130 (3 credits), THC 231 (3 credits), THC 337, 338 or 438 (3 credits), MUSI 131 (3 credits), MUSI 100 (0-1 credits) and any needed, additional credits, with advisor and/or Faculty Chair approval. In addition, students minoring in the fine arts must participate in one University Players production and in one Opera Workshop production.

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 MUSI 141 (3 credits), MUSI 253 (3 credits), MUSI 343 (3 credits), MUSI 228 (2 credits), MUSI UJ (for 2 total credits), MUSA 111 (1 credit), and in eight (8) credit hours in approved electives, which may include MUSI 142 (3 credits), MUSI 229 (2 credits), MUSI 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 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 exhibitions, 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 Fine Arts and 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. An eleventh performing group, the University Players, allows for student participation without enrolling for elective credit. 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>Adams, Daniel Professor B.M., Louisiana State University M.M., University of Miami D.M.A., University of Illinois at Urbana-Champaign</p>	<p>Lundy, Anne Instructor M.E., University of Texas M.M., University of Houston</p>
<p>Beineman, Christopher Assistant Professor B.F.A., McMurry University M.F.A., University of Georgia</p>	<p>Mack, Dianne Associate Professor B.S., Dalhousie University M.M. Ed., University of Missouri Ph.D., University of Missouri</p>
<p>Brown, Lenard Assistant Professor B.F.A., Texas A & M, Corpus Christi M.F.A., Ohio State University</p>	<p>Meloncon, Thomas Instructor B.A., Texas Southern University M.A., Texas Southern University</p>
<p>Butler, Benjamin J., II Associate Professor B.S., Tennessee State University M.M., University of Michigan</p>	<p>Oby, Jason Associate Professor B.M., M.M., Manhattan School of Music D.M., Florida State University</p>
<p>Cross, Bert Instructor B.A., Bishop College M.A., Texas Southern University</p>	<p>Perkyns, Jane Associate Professor B.M., Dalhousie University M.M., The Julliard School D.M.A., University of British Columbia</p>
<p>Gibson, Clarence Instructor B.M.E., Alcorn State University M.M.E., University of Southern Mississippi</p>	<p>Rodriguez-González, Rosarito Assistant Professor B.F.A., University Puerto Rico M.F.A. Savannah School of Art and Design</p>
<p>Green, Leamon Associate Professor B.F.A., Cleveland Institute of Art M.F.A., Temple University</p>	<p>Thomas, Fennoyee Professor B.M., M.M., D.M.A., University of Colorado</p>
<p>Harris, Howard C. Professor B.S., Southern University M.M.Ed., Louisiana State University DMA, Chelsea University</p>	<p>Trotty, Sarah A. Associate Professor B.S. Art Ed., University of Houston-University Park M. Art Ed., Texas Southern University Ph.D., Purdue University</p>
<p>Jemison-Pollard, Dianne Professor B.A., Fisk University M.A., University of Wisconsin M.F.A., Catholic University of America</p>	<p>Wardlaw, Alvia J. Professor A.B., Wellesley College A.M., New York University Ph.D., University of Texas at Austin</p>
<p>Lee, Richard Associate Professor B.M.Ed., Texas Southern University M.M., Colorado State University</p>	<p>Watson, Maya Instructor B.A., Mount Holyoke M.B.A., Arts Administration, SUNY, Binghamton</p>

ART COURSES

- ART 131** **Drawing and Composition I** (3)
Basic principles of drawing and composition using 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. 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 relationship to cultural issues. Basic elements of sculpture, painting, architecture, performance art, environmental art, computer art, and ceramics discussed and examined. Three hours of lecture per week.
- ART 136** **Ancient Art** (3)
Examination of world cultures through the art, architecture, and social systems which have helped to make them distinct. The art of Africa, Asia, Europe (before 500 A.D.), and the Americas examined. Three hours of lecture per week. **Listed as ARTS 1303 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 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)
Enrichment course for majors and minors to present their work for regular critiques. Enrichment and professional experiences presented by faculty and visiting artists. May be repeated for up to 3 semester credits earned. During freshman and sophomore years of enrollment, counted as 0 credit; during junior and senior years of enrollment, counted as I semester credit. One hour of lecture per week.
- ART 202** **Intermediate Drawing** (3)
Enhancement and refinement of creative drawing expressions and techniques with an individual approach to subject matter. Six hours of laboratory per week.
- ART 231** **Elementary Painting I** (3)
Basic painting techniques related to figure, still life, and landscape painting. Includes water color, tempera, 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, ART 133, and ART 134.
- 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 an effective layout and illustration. Six hours of laboratory per week. Prerequisite: ART 233.
- ART 235 Medieval and Renaissance Art (3)**
Historical examination of the transition of art from 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. Role of humanistic ideas in developing subject matter of the artists considered. Three hours of lecture per week.
- ART 236 Baroque and Modern Art (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, and visual approach that defines the Modern Era. Three hours of lecture per week.
- 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 study for junior level majors with a major advisor in a specialized area of research.
- ART 304 Art Studio II (3)**
Continuation of ART 303. Prerequisite: ART 303.
- 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 emphasized. Six hours of laboratory per week. Prerequisite: Junior standing as art major.
- ART 322 Life Sketch II (3)**
Continuation of ART 321 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 325 Advanced Ceramics I (3)**
Instruction in methods of making and designing pottery, other ceramic objects, glaze mixing, and kiln firing. Six hours of laboratory per week. Prerequisite: ART 238.
- ART 326 Advanced Ceramics II (3)**
Continuation of ART 325. Six hours of laboratory per week. Prerequisite: ART 325.
- ART 331 Sculpture I (3)**
Creative approach to three-dimensional sculpture, nature study, organic form, and structure in varied media. Six hours of laboratory per week.
- ART 332 Sculpture II (3)**
Continuation of ART 331. Six hours of laboratory per week. Prerequisite: ART 331.

ART 402	Independent Study in Art Research	(3)
	Independent study in art history, including research and curating an art exhibition. May be repeated up to three enrollments. Prerequisite: Consent of the instructor.	
ART 405	Art Studio III	(3)
	Independent study with a major advisor in a specialized area of research for senior level majors. Offered as needed.	
ART 406	Art Studio IV	(3)
	Continuation of ART 405. Prerequisite: ART 405. Offered as needed.	
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 202. Offered as needed.	
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. Offered as needed.	
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.	
ART 435	Three-Dimensional Art and Artists I	(3)
	Students design individual projects under the supervision of the instructor in follow-up to information learned in ART 339. One hour of lecture and three hours of laboratory per week. Prerequisite: ART 339. Offered as needed.	
ART 436	Three-Dimensional Art and Artists II	(3)
	Studio techniques in three-dimensional art with emphasis on the study of noted artists in the field. One hour of lecture and three hours of laboratory per week. Prerequisite: ART 339. Offered as needed.	
ART 437	Printmaking III	(3)
	Methods and techniques used in the production of black and white linoleum 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. Offered as needed.	
ART 438	Printmaking IV	(3)
	Production of multiple editions of color linoleum prints utilizing original drawings with an individual creative approach to subject matter. Six hours of laboratory per week. Prerequisites: ART 437. Offered as needed.	
ART 439	Design and Illustration	(3)
	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 234.	
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, and ART 135.	

MUSIC COURSES

- MUSI 100 Seminar I (0-1)**
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.
- MUSI 131 Introduction to Music (3)**
Survey of basic materials and the fundamentals of music. Open to all students. Students may test out. Three hours of lecture per week. **Listed as MUSI 1301 in the Texas Common Course Numbering System.**
- MUSI 132 Introduction to Computer Music (3)**
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. **Listed as MUSI 1302 in the Texas Common Course Numbering System.**
- MUSI 141 Theory I (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 Exam. Corequisite: MUSI 146. **Listed as MUSI 1211 in the Texas Common Course Numbering System.**
- MUSI 142 Theory II (2)**
Continuation of MUSI 141. Three hours of lecture per week. Prerequisites: MUSI 141 and MUSI 146. Corequisite: MUSI 147. **Listed as MUSI 1212 in the Texas Common Course Numbering System.**
- MUSI 146 Ear Training and Sight Singing I (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. **Listed as MUSI 1116 in the Texas Common Course Numbering System.**
- MUSI 147 Ear Training and Sight Singing II (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. **Listed as MUSI 1117 in the Texas Common Course Numbering System.**
- MUSI 150 Composition I (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. **Listed as MUSI 1386 in the Texas Common Course Numbering System.**
- MUSI 151 Composition II (2)**
Continuation of MUSI 150. One hour of laboratory/private lessons per week. Prerequisite: MUSI 150. **Listed as MUSI 2386 in the Texas Common Course Numbering System.**
- MUSI 171 Class Piano I (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. **Listed as MUSI 1181 in the Texas Common Course Numbering System.**
- MUSI 172 Class Piano II (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. **Listed as MUSI 1182 in the Texas Common Course Numbering System.**

MUSI 173	Voice Class I	(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. Listed as MUSI 1183 in the Texas Common Course Numbering System.	
MUSI 174	Voice Class II	(1)
	Continuation of MUSI 173. Two hours of laboratory per week. Prerequisite: MUSI 173. Listed as MUSI 1184 in the Texas Common Course Numbering System.	
MUSI 223	Brass and Percussion	(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. Offered during the spring semester only. One hour of lecture and one hour of laboratory per week.	
MUSI 224	Woodwind Instruments	(2)
	Study of basic performance of woodwind instruments, including the concepts and procedures for woodwind instruction. Offered during the fall semester only. One hour of lecture and one hour of laboratory per week.	
MUSI 225	String Instruments	(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	Jazz Improvisation I	(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	Jazz Improvisation II	(2)
	Continuation of MUSI 228. Prerequisite: MUSI 228.	
MUSI 239	Fine Arts in Daily Living	(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. Listed as HUMA 1301 in the Texas Common Course Numbering System.	
MUSI 241	Theory III	(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. Listed as MUSI 2211 in the Texas Common Course Numbering System.	
MUSI 242	Theory IV	(2)
	Continuation of MUSI 241. Three hours of lecture per week. Prerequisites: MUSI 241 and MUSI 246. Corequisite: MUSI 247. Listed as MUSI 2212 in the Texas Common Course Numbering System.	
MUSI 246	Ear Training and Sight Singing III	(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. Listed as MUSI 2116 in the Texas Common Course Numbering System.	
MUSI 247	Ear Training and Sight Singing IV	(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. Listed as MUSI 2117 in the Texas Common Course Numbering System.	

MUSI 250	Composition III (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. Listed as MUSI 2186 in the Texas Common Course Numbering System.
MUSI 251	Composition IV (2) Continuation of MUSI 250. Two hours of lecture/private lessons per week. Prerequisite: MUSI 250. Listed as MUSI 2187 in the Texas Common Course Numbering System.
MUSI 253	Jazz Theory I (3) 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.
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 spring 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	History of Music II	(3)
	Continuation of MUSI 337. Four hours of lecture per week. Offered during the spring semester only. Prerequisites: MUSI 141, MUSI 146, MUSI 142, and MUSI 147.	
MUSI 339	Music for Young Children	(3)
	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.	
MUSI 343	Jazz History	(3)
	A chronological examination of jazz styles and major artists of jazz from pre-jazz forms to the present. Offered as needed.	
MUSI 347	Basic Music Procedures	(3)
	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.	
MUSI 350	Composition V	(2)
	Continuation of MUSI 251. One hour of laboratory/private lessons per week. Prerequisite: MUSI 251.	
MUSI 351	Composition VI	(2)
	Continuation of MUSI 350. One hour of laboratory/private lessons per week. Prerequisite: MUSI 350. Offered as needed.	
MUSI 355	Jazz Arranging	(3)
	Arranging compositions in various jazz styles and group combinations. Prerequisite: MUSI 253.	
MUSI 400	Senior Recital	(0)
	Solo recital required of all students pursuing the B.A. in Music. Must be taken concurrently with the appropriate Applied Music course.	
MUSI 401	Capstone Seminar in Music	(3)
	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.	
MUSI 431	Conducting Fundamentals	(3)
	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.	
MUSI 435	Seminar in Music Studies	(3)
	Study of the organization and activities of music for majors. Offered during the fall semester only. Three hours of lecture per week.	
MUSI 439	Piano-Voice Pedagogy	(2)
	Analysis and study of the contemporary performance practice of piano and voice with emphasis on style, form, and specific literature for each instrument. Offered during the spring semester only. Two hours of lecture per week.	

MUSI 480	Business of Music 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	Modern Music Critical examination and analysis of selected works of representative modern composers. Open to both undergraduate and graduate students. Offered during the fall semester only. Three hours of lecture per week.	(3)
MUSI CC	Concert Choir 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.	(1)
MUSI OW	Opera Workshop 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. Listed as MUSI 1157 and MUSI 1158 in the Texas Common Course Numbering System.	(1)
MUSI UB	University Band 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.	(1)
MUSI UC	University Choir 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.	(1)
MUSI JEC	University Jazz Ensemble Combo 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.	(1)
MUSI JBB	University Jazz Ensemble Big Band 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.	(1)
MUSI VJE	University Vocal Jazz Ensemble 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.	(1)
MUSI LJE	University Latin Jazz Ensemble 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.	(1)
MUSI UO	University Chamber Orchestra 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.	(1)

MUSA 231	Applied Music 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.	(2)
MUSA 232	Applied Music 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.	(2)
MUSA 311	Applied Music 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.	(1)
MUSA 312	Applied Music 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.	(1)
MUSA 321	Applied Music 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.	(1)
MUSA 322	Applied Music Continuation of MUSA 321. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 321.	(1)
MUSA 331	Applied Music 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.	(2)
MUSA 332	Applied Music 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.	(2)
MUSA 411	Applied Music 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.	(1)
MUSA 412	Applied Music 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.	(1)
MUSA 421	Applied Music 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.	(1)
MUSA 422	Applied Music Continuation of MUSA 421. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 421.	(1)
MUSA 431	Applied Music 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.	(2)
MUSA 432	Applied Music 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.	(2)

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 in acting, 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 231** **Elements of Acting** (3)
Movement, voice, and character analysis. Three hours of lecture per week. Prerequisite: THC 130 or consent of the instructor. **Listed as DRAM 1351 in the Texas Common Course Numbering System.**
- THC 240** **Oral Interpretation** (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** **Scene Design** (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** **Stage Lighting** (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** **Stage Makeup** (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** **Playwriting** (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** **Play Directing** (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** **History of Theatre I** (3)
Development of the theatre from the Greeks to the 17th century. Three hours of lecture per week.
- THC 338** **History of Theatre II** (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. 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

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 th – 21 st 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 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 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: THC 498, consent of the instructor, and consent of the Faculty Chair. The EXIT examination will be administered in this course.	

Bachelor of Arts in Art
 (With Specialty and Without Minor)
 Four Year Degree Plan - Total Credits: 123

First Year			
First Semester		Second Semester	
Art 131	3	Art 132	3
Art 133	3	Art 134	3
Art 135	3	CS 116	3
Art 201	1	Art 201	1
Eng 131	3	Eng 132	3
		SC 135 or 136	3
	13		15

Second Year			
Third Semester		Fourth Semester	
Art 201	1	Art 201	1
Art 202	3	Art 232	3
Art 235	3	Art 233	3
Math 133	3	Specialty	3
Hist. 231	3	Specialty	3
Specialty	3	Hist. 232	3
	16		16

Third Year			
Fifth Semester		Sixth Semester	
Art 201	0	Art 201	0
Art 236	3	Pols 231	3
Eng 2_	3	Art 331	3
BIOL 143	4	Art 387	3
Art 321	3	GEOL 141	4
Specialty	3	Specialty	3
	16		16

Fourth Year			
Seventh Semester		Eighth Semester	
Art 201	0	Specialty	3
Soc 335	3	Specialty	3
Art 434	3	Specialty	3
Specialty	3	Specialty	3
POLS 232	3		
	15		12

Bachelor of Arts in Art
 (With Specialty and Without Minor)
 Five Year Degree Plan - Total Credits: 126

First Year			
First Semester		Second Semester	
Art 131	3	Art 132	3
Art 133	3	Art 134	3
Art 135	3	Art 201	1
Art 201	1	Eng 132	3
Eng 131	3	SC 135 or 136	3
	13		13

Second Year			
Third Semester		Fourth Semester	
Art 201	1	Art 201	1
Art 202	3	Art 232	3
Art 235	3	Art 233	3
CS 116	3	Hist 232	3
Hist. 231	3	Eng 2__	3
	13		13

Third Year			
Fifth Semester		Sixth Semester	
Art 201	0	Art 201	0
Art 236	3	Pols 231	3
BIOL 143	4	Art 331	3
Art 321	3	GEOL 141	4
Soc 157	3	Specialty	3
	13		13

Fourth Year			
Seventh Semester		Eighth Semester	
Art 201	0	Art 231	3
Soc 335	3	Art 400	3
Art 434	3	Art elective	3
Specialty	3	Art elective	3
Art elective	3	Soc 157	3
	15		12

Fifth Year			
Ninth Semester		Tenth Semester	
Art 201	3	Elective	3
Art 400	3		
Elective	3		
Specialty	3		
	12		3

Bachelor of Arts in Art
(With Minor and Without Specialty)
Four Year Degree Plan - Total Credits: 123

First Year			
First Semester		Second Semester	
Art 131	3	Art 132	3
Art 133	3	Art 134	3
Art 135	3	Approved Art Elec.	3
Art 201	1	Art 201	1
Eng 131	3	Eng 132	3
	13		13

Summer I		Summer II	
Nat. Science	4	Soc. & Behav. Sc	3
Biol 143	4	Math 133	3
	8		6

Second Year			
Third Semester		Fourth Semester	
Art 201	01	Art 201	01
Art 236	3	Art 322	3
Art 321	3	Art 331	3
Minor	3	Art 337	3
Pols 231	3	Minor	3
		Pols 232	3
	12		15

Third Year			
Fifth Semester		Sixth Semester	
Art 201	0	Art 201	0
Art 236	3	Pols 231	3
Eng 2_	3	Art 331	3
BIOL 143	4	Art 387	3
Art 321	3	GEOL 141	4
Specialty	3	Specialty	3
	16		16

Fourth Year			
Seventh Semester		Eighth Semester	
Art 201	0	Art 201	0
Soc 335	3	Art 400	3
Art 434	3	Minor	3
Minor	3	Minor	3
Minor	3		
	12		9

Bachelor of Arts in Art
(With Minor and Without Specialty)
Five Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
Art 131	3	Art 132	3
Art 133	3	Art 134	3
Art 201	1	Soc & Behav. Sci.	3
Eng 131	3	Art 201	1
Bio ___	4	Eng 132	3
	14		13

Second Year			
Third Semester		Fourth Semester	
Art 135	3	Approved Art Elec.	3
Art 201	1	Art 232	3
Art 231	3	Minor	3
Hist 231	3	Art 201	1
		Hist. 232	3
	10		13

Third Year			
Fifth Semester		Sixth Semester	
Art 201	0	Art 201	0
Art 202	3	Eng 2__	3
Art 235	3	Art 331CS 116 or Art 233	3
SC 135 or 136	3	Minor	3
Nat. Science	4		
	13		9

Fourth Year			
Seventh Semester		Eighth Semester	
Art 201	0	Art 322	3
Art 236	3	Math 133	3
Art 321	3	Art 331	3
Minor	3	Pols 232	3
Pols 231	3		12
	12		

Fifth Year			
Ninth Semester		Tenth Semester	
Art 201	0	Art 400	3
Art 335	3	Art 337	3
Art 434	3	Minor	3
Minor	3	Minor	3
Minor	3		
	12		12

Bachelor of Arts in Art
(With Minor and Without Specialty)
Six Year Degree Plan - Total Credits: 120

First Year			
First Semester		Second Semester	
Art 131	3	Art 132	3
Eng 131	3	Art 134	3
Art 201	1	Eng 132	3
Biol	4	Art 201	1
	11		10

Second Year			
Third Semester		Fourth Semester	
Art 133	3	Soc. & Behav Sci	3
Art 135	3	Approved Art Elec.	3
Art 201	1	Art 201	1
Hist. 231	3	Hist 232	3
	10		10

Third Year			
Fifth Semester		Sixth Semester	
Art 231	3	Minor	3
Art 202	3	Art 201	0
Art 235	3	CS 116 or Art 233	3
SC 135 or 136	3	ENG 2__	3
Art 201	0		
	12		9

Fourth Year			
Seventh Semester		Eighth Semester	
Art 201	0	Minor	3
Art 236	3	Art 232	3
Minor	3	Pols 232	3
Pols 231	3		
	9		9

Fifth Year			
Ninth Semester		Tenth Semester	
Art 321	3	Math 133	3
Art 201	0	Art 331	3
Art 335	3	Minor	3
Art 434	3	Art 322	3
	9		12

Sixth Year			
Eleventh Semester		Twelfth Semester	
Minor	3	Art 400	3
Minor	3	Art 337	3
Nat. Science	4	Minor	3
	10		9

Bachelor of Arts in Art
Teacher Certification Track
(All level or secondary)
Degree Plan - Total Credits: 126

First Year			
First Semester		Second Semester	
Art 131	3	Art 132	3
Art 133	3	Art 134	3
Art 135	3	Art 139	3
Art 201	1	Art 201	1
Eng 131	3	Eng 132	3
Math 133	3	SC 135 or 136	3
	16		16

Second Year			
Third Semester		Fourth Semester	
Art 136 or 137	3	Art 231	3
Art 202	3	Art 235	3
Art 233	3	Art 201	1
Art 201	1	Hist 232	3
Eng 230 or 231	3	Biol 143 + lab	4
Hist 231	3	Soc, Psy or Econ	3
	16		17

Third Year			
Fifth Semester		Sixth Semester	
Art 236	3	Art 370 or 371	3
Art 232	3	Art 339	3
Art 321	3	Art 331	3
Art 201	0	Art 335	3
Chem, Geol or Phys	4	Art 201	0
Pol. Sci 231	3	Pol. Sci 232	3
	16		15

Fourth Year			
Seventh Semester		Eighth Semester	
Art 436	3	Art 400	3
Art 337	3	EDCI 310	3
Art elec (237 or 372)	3	EDCI 328	3
Art 434	3	EDCI 339	3
Reading 400	3	EDCI 350	3
Art 201	0	Art 201	0
	15		15

Bachelor of Arts in Art
Teacher Certification Track
(All level or secondary)
Five Year Degree Plan - Total Credits: 126

First Year			
First Semester		Second Semester	
Art 131	3	Art 132	3
Art 133	3	Art 134	3
Art 135	3	Art 139	3
Art 201	1	Art 201	1
Eng 131	3	Eng 132	3
Math 133	3	SC 135 or 136	3
	16		16

Second Year			
Third Semester		Fourth Semester	
Art 136 or 137	3	Art 231	3
Art 202	3	Art 235	3
Art 233	3	Art 201	1
Art 201	1	Hist 232	3
Eng 230 or 231	3	Biol 143 + lab	4
Hist 231	3	Soc, Psy or Econ	3
	16		17

Third Year			
Fifth Semester		Sixth Semester	
Art 236	3	Art 370 or 371	3
Art 232	3	Art 339	3
Art 321	3	Art 331	3
Art 201	0	Art 335	3
Chem, Geol or Phys	4	Art 201	0
Pol. Sci 231	3	Pol. Sci 232	3
	16		15

Fourth Year			
Seventh Semester		Eighth Semester	
Art 436	3	Art 400	3
Art 337	3	EDCI 310	3
Art elec (237 or 372)	3	EDCI 328	3
Art 434	3	EDCI 339	3
Art 201	3	Art 201	0
	15		12

Fifth Year			
Ninth Semester		Tenth Semester	
EDCI 350	6	EDCI 468	6
Art 401	3	Art 201	3
Reading 400	3	Art 402	3
	12		12

Bachelor of Arts in Art
 Teacher Certification Track
 (All level or secondary)
 Six Year Degree Plan - Total Credits: 126

First Year			
First Semester		Second Semester	
Art 131	3	Art 132	3
Art 201	1	Art 201	1
Eng 131	3	Eng 132	3
Math 133	3	SC 135 or 136	3
	10		10

Second Year			
Third Semester		Fourth Semester	
Art 144	3	Art 134	3
Art 233	3	Art 235	3
Hist. 231	3	Hist. 232	3
	9		9

Third Year			
Fifth Semester		Sixth Semester	
Art 201	1	Art 231	3
Art 233	3	Art 235	3
Hist 231	3	Hist 232	3
	9		9

Fourth Year			
Seventh Semester		Eighth Semester	
Art 201	1	Art 370 or 371	3
Pol. Sci 231	3	Pol. Sci 232	3
Nat. Sci	4	Nat. Sci	4
	8		10

Fifth Year			
Ninth Semester		Tenth Semester	
Art 236	3	Art 339	3
Art 232	3	Art 331	3
Art 321	3	Art 335	3
	9		9

Sixth Year			
Ninth Semester		Tenth Semester	
Art 434	3	EDCI 310	3
EDCI 350	3	EDCI 328	3
	6		6

Bachelor of Arts in Music
With Minor and Without Specialty
Four Year Degree Plan - Total Credits: 123

First Year			
First Semester		Second Semester	
Music 100 Seminar	0	Music 100 Seminar	0
Music 132 Computer	3	Music 142 Theory II	2
Music 141 Theory I	2	Music 147 E.T./S.S II	1
Music 146 E.T./S.S. 1	1	Musap 122 Major applied	1
Musap 121 Major applied	1	Ensemble	1
[Musap 111 Secondary piano	1*]	Eng 132	3
Ensemble	1	SC 135 or 136	3
Math 13_	3	Biology 143 and (L)	4
Eng 131	3		
	14/15**		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
Musap 221 Major applied	1	Musap 222 Major applied	1
Ensemble	1	Ensemble	1
Music elective	2	PE 1__	1
Eng 2__	3	Minor requirement	3
History 231	3	History 232	3
Minor requirement	3	Psy 131	3
	16**		15**
Third Year			
Fifth Semester		Sixth Semester	
Music 100 Seminar	0	Music100 Seminar	0
Music 331 Counterpoint or	3	Music 333 Form and Analysis	3
Music 439 Voice/Piano Pedagogy		Music 338 History II	3
Music 337 History I	3	Musap 322 Major applied 1	1
Music 321 Major applied	1	Minor requirement	3
Ensemble	1	Pols 232	3
Pols 231	3	Visual and Performing Arts elective	3
Science elective	4		
	15**		16**
Fourth Year			
Seventh Semester		Eighth Semester	
Music Seminar	1	Musap 212K secondary piano	1
Music 335 Orchestration or	3	Music elective	2
Music 322 Diction for Singers		Music elective	3
Musap 421 Major applied	1	Foreign Language	3
Music 431 Conducting	3	Minor requirement	3
Music 400 Senior recital	0	Minor requirement	3
Minor requirement	3		
Minor requirement	3		
	14**		15**

*Must continue in secondary piano until Musap 212K skills are acquired.

** 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.

Bachelor of Arts in Music
With Minor and Without Specialty
Five Year Degree Plan - Total Credits: 123

First Year			
First Semester		Second Semester	
Music 100 Seminar	0	Music 100 Seminar	0
Ensembler	1	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	Musap 122 Major applied	1
Musap 121 Major applied	1	Ensemble	1
[Musap 111 Secondary piano	1*]	Eng 132	3
Math 13_	3	Biology 143 and (L)	4
Eng 131	3		
	12/13**		12**

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
Musap 221 Major applied	1	Musap 222 Major applied	1
Ensemble	1	Ensemble	1
Music 132 Computer	3	PE 1__	1
Eng 2__	3	Minor requirement	3
Minor requirement	3	SC 135 or 136	3
	14**		12**

Third Year			
Fifth Semester		Sixth Semester	
Music 100 Seminar	0	Music100 Seminar	0
Music elective	2	Hist. 232	3
Hist. 231	3	Psy 131	3
Science elective	4	Musap 322 Major applied 1	1
Musap 321 Major applied	1	Pols 232	3
Ensemble	1	Visual and Performing Arts elective	3
	11**		13**

Fourth Year			
Seventh Semester		Eighth Semester	
Music100 Seminar	1	Musap 212K secondary piano	1
Music 331 Counterpoint or	3	Music elective	2
Music 439 Voice Pedagogy		Music 333 Form and Analysis	3
Musap 421 Major applied	1	Music 338 History II	3
Music 400 Senior recital	0	Minor requirement	3
Music 337 History I	3		
Pols 231	3		
Minor requirement	3		
	14**		12**

Fifth Year			
Ninth Semester		Tenth Semester	
Music 335 Orchestration or	3	Music elective	3
Music 322 Diction for Singers		Foreign Language	3
Music 431 Conducting	3	Minor requirement	3
Foreign Language	3	Minor requirement II	3
Minor requirement	3		
	12**		12**

*Must continue in secondary piano until Musap 212K skills are acquired.

** 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.

Bachelor of Arts in Music
Teacher Certification Track
Four Year Degree Plan - Total Credits: 126

First Year			
First Semester		Second Semester	
Music 100 Seminar	0	Music 100 Seminar	0
Music 132 Computer	3	Music 142 Theory II	2
Music 141 Theory I	2	Music 147 E.T./S.S II	1
Music 146 E.T./S.S. 1	1	Musap 122 Major applied	1
Musap 121 Major applied	1	Ensemble	1
[Musap 111 Secondary piano	1*]	Eng 132	3
Ensemble	1	SC 135 or 136	3
Math 13_	3	Biology 143 and (L)	4
Eng 131	3		
	14/15		15

Summer I		Summer II	
Pols 231	3	Hist 231	3
Psy 131	3	Music 239	3
	6		6

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
Musap 221 Major applied	1	Musap 222 Major applied	1
Ensemble	1	Ensemble	1
Music 224 Woodwinds	2	Music 223 Brass and Percussion	2
Eng 2__	3	Music 225 Strings	2
Science elective	4	History 232	3
		Pols 232	3
	14		15

		Summer II	
		EDCI 340	3
			3

Third Year			
Fifth Semester		Sixth Semester	
Music 100 Seminar	0	Music Seminar	0
Music 331 Counterpoint or	3	Music 333 Form and Analysis	3
Music 439 Voice/Piano Pedagogy		Music 338 History II	3
Music 337 History I	3	Musap 322 Major applied 1	1
Music 321 Major applied	1	Music 329 Fund. Of Mus Tech	3
Music 328 Instrumental Techniques	2	EDCI 310	3
Music 335 Orchestration or	3	EDCI 328	3
Music 322 Diction for Singers			
Ensemble	1		
Reading 401	3		
	16		16

Fourth Year			
Seventh Semester		Eighth Semester	
Music Seminar	1	EDCI 468 Student Teaching	6
Music 431 Conducting	3		
Music 435 Seminar in Mus Stud	3		
Musap 421 Major applied			
Musap 411K Piano proficiency	1		
Music 400 Senior recital	0		
EDCI 339	3		
EDCI 350	3		6
	14		

*Must continue in secondary piano until piano proficiency exam skills are acquired. This exam must be completed before student teaching.

Bachelor of Arts in Music
With Specialty and Without Minor
Five Year Degree Plan - Total Credits: 123

First Year			
First Semester		Second Semester	
Music 100 Seminar	0	Music 100 Seminar	0
Music 141 Theory 1	2	Music 142 Theory II	2
Music 146 E.T./S.S. 1	1	Music 147 E.T./S.S II	1
Musap 131 Major applied	2	Musap 132 Major applied	2
[Musap 111 Secondary piano	2	Ensemble	1
Ensemble	1*]	Eng 132	3
Math 13_	1	Biology 143 and (L)	4
Eng 131	3		
	12/13**		13**

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
Musap 231 Major applied	2	Musap 232 Major applied	2
Ensemble	1	Ensemble	1
Music 132 Computer	3	SC 135 or 136	3
Eng 2__	3	Soc/Behavior Science elective	3
	12**		12**

Third Year			
Fifth Semester		Sixth Semester	
Music 100 Seminar	0	Music 100 Seminar	0
Music elective	3	Music 300 Junior Recital	0
Hist 231	3	Music elective	3
Music 337 History I	3	Hist 232	3
Music 331 Major applied	2	Musap 332 Major applied	2
Ensemble	1	Ensemble	1
Music elective	1	Foreign Language	3
	13**		12**

Fourth Year			
Seventh Semester		Eighth Semester	
Music 100 Seminar	0	Music 100 Seminar	1
Pols 231	3	Music 333 Form and Analysis	3
Musap 431 Major applied	2	Music 338 History II	3
Ensemble	1	Musap 432 Major applied	2
Music 331 Counterpoint	3	Musap 212K or 411K*	1
Music elective	3	Ensemble	1
		Music 400 Senior recital	0
		Pols 232	3
	12**		14**

Fifth Year			
Ninth Semester		Tenth Semester	
Musap 431 Major applied	3	Music elective	3
Music 335 Orchestration	3	Music elective	3
Science Elective	4	Visual and Performing Arts elective	3
Foreign Language	3	PE	1
	13		10

*Must continue in secondary piano until Musap 212K (for instrumental majors) or 411 K skills (for voice majors) are acquired.

**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.

Bachelor of Arts in Music
With Specialty and Without Minor
Six Year Degree Plan - Total Credits: 123

First Year			
First Semester		Second Semester	
Music 100 Seminar	0	Music 100 Seminar	0
Musap 131 Major applied	2	Musap 132 Major applied	2
[Musap 111 Secondary piano	2	Ensemble	1
Ensemble	1*]	Eng 132	3
Math 13_	1	Biology 143 and (L)	4
Eng 131	3		
	9/10**		10**

Second Year			
Third Semester		Fourth Semester	
Music 100 Seminar	0	Music 100 Seminar	0
Music 141 Theory I	2	Music 142 Theory IV	2
Music 146 E.T./S.S.	1	Music 147 E.T./S.S. IV	1
Musap 231 Major applied	2	Musap 232 Major applied	2
Ensemble	1	Ensemble	1
Music 132 Computer	3	SC 135 or 136	3
Eng 2__	3	Soc/Behavior Science elective	3
	12**		12**

Third Year			
Fifth Semester		Sixth Semester	
Music 100 Seminar	0	Music 100 Seminar	0
Music 241 Theory III	3	Music 300 Junior Recital	0
Music 246 E.T./S.S.	3	Music 242 Theory IV	2
Music 337 History I	3	Music 247 E.T./S.S. IV	3
Musap 331 Major applied	2	Musap 332 Major applied	2
Ensemble	1	Ensemble	1
Music elective	1	Foreign Language	3
	10**		9**

Fourth Year			
Seventh Semester		Eighth Semester	
Music 100 Seminar	0	Music 100 Music Seminar	1
Musap 431 Major applied	2	Music elective	3
Ensemble	1	Musap 432 Major applied	2
Music 331 Counterpoint	3	Musap 212K or 411K*	1
Music elective	3	Ensemble	1
		Music 400 Senior recital	0
	9**		8**

Fifth Year			
Ninth Semester		Tenth Semester	
Pols 231	3	Music 333 Form and Analysis	3
Music elective	3	Music 338 History II	3
Hist 231	3	Hist 232	3
Science elective	4	Visual and Performing Arts elective	3
	13**		12**

Sixth Year			
Eleventh Semester		Twelfth Semester	
Music 431 Conducting	3	Music elective	3
Music 335 Orchestration	3	Music elective	3
Foreign Language	3	Pols 232	3
		PE	1
	9		10

*Must continue in secondary piano until Musap 212K (for instrumental majors) or 411 K skills (for voice majors) are acquired.

**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.

Bachelor of Arts in Music
With Jazz Specialty and Without Minor
Four Year Degree Plan - Total Credits: 126

First Year			
First Semester		Second Semester	
Music 100 Seminar	0	Music 100 Seminar	0
Music 132 Computer	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	Musap 132 Major applied	2
Musap 131 Major applied	2	Ensemble	1
Ensemble	3	Eng 132	3
Math 13_	1	SC 135 or 136	3
Eng 131	3	Biology 143 and (L)	4
	15		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
Musap 231 Major applied	2	Musap 222 Major applied	1
Ensemble	1	Ensemble	1
Music 224 Woodwinds	2	Music 223 Brass and Percussion	2
Eng 2__	3	Music 225 Strings	2
Science elective	4	History 232	3
		Pols 232	3
	14		15

		Summer II	
		EDCI 340	3
			3

Third Year			
Fifth Semester		Sixth Semester	
Music 100 Seminar	0	Music Seminar	0
Music 331 Counterpoint or	3	Music 333 Form and Analysis	3
Music 439 Voice/Piano Pedagogy		Music 338 History II	3
Music 337 History I	3	Musap 322 Major applied 1	1
Music 321 Major applied	1	Music 329 Fund. Of Mus Tech	3
Music 328 Instrumental Techniques	2	EDCI 310	3
Music 335 Orchestration or	3	EDCI 328	3
Music 322 Diction for Singers			
Ensemble	1		
Reading 401	3		
	16		16

Fourth Year			
Seventh Semester		Eighth Semester	
Music Seminar	1	EDCI 468 Student Teaching	6
Music 431 Conducting	3		
Music 435 Seminar in Mus Stud	3		
Musap 421 Major applied			
Musap 411K Piano proficiency	1		
Music 400 Senior recital	0		
EDCI 339	3		
EDCI 350	3		
	14		6

*Must continue in secondary piano until piano proficiency exam skills are acquired. This exam must be completed before student teaching.

Bachelor of Arts in Music
 With Jazz Specialty and Without Minor
 Five Year Degree Plan Total Credits: 125

First Year			
First Semester		Second Semester	
Music 100 Seminar	0	Music 100 Seminar	
Music 132 Computer	3	Music 142 Theory II	2
Music 141 Theory I	2	Music 147 E.T./S.S II	1
Musap 131 Major applied	2	Ensemble	1
Eng 132	3	SC 135 or 136	3
Ensemble	1	Musap 132 Major applied	2
Eng 131	3		
Music 146 E.T/S.S.1	1		
	12		12

Second Year			
Third Semester		Fourth Semester	
Music 100 Seminar	--	Music Seminar	
Music 241 Theory III	2	Music 242 Theory IV	2
Music 246 E.T/S.S. III	1	Music 247 E.T./S.S. IV	1
Musap 231 Major applied	2	Musap 232 Major applied	2
Ensemble	1	Ensemble	1
Music 228 Jazz Improv. I	2	Music 229 Jazz Improv. II	2
Eng 2_	3	Soc/Behavior Science elective	3
Music elective	2	Music elective	3
	13**		13**

Third Year			
Fifth Semester		Sixth Semester	
Music 100 Seminar	--	Music 100 Seminar	
Music 253 Jazz Theory I	3	Music 300 Junior Recital	0
Music 331 Major applied	2	Music 338 History II	3
Ensemble	1	Musap 332 Major applied	2
Pols 231	3	Ensemble	1
Science elective	4	Music 254 Jazz Theory II	3
		Pols 232	3
	13**		12**

Fourth year			
Seventh Semester		Eighth Semester	
Music Seminar	--	Music Seminar	1
Music 431 Conducting	3	Music 480 Business of Music	3
Musap 431 Major applied	2	Musap 432 Major applied	2
Music 335 Orchestration	3	Visual and Performing Arts elective	3
Music 343 Jazz History	3	PE	1
		Foreign Language	3
	11**		13**

Fifth year			
Ninth Semester		Tenth Semester	
Math 13_	3	Biology 143 and (L)	4
Ensemble	1	Music 400 Senior recital	0
History 231	3	History 232	3
Music 337 History I	3	Music 333 Form and Analysis	3
Foreign Language	3	Piano 212 proficiency exam	0
	13**		10**

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

Bachelor of Arts in Music
With Jazz Specialty and Without Minor
Six Year Degree Plan Total Credits: 125

First Year			
First Semester		Second Semester	
Music 100 Seminar		Music 100 Seminar	
Music 132 Computer	3	Music 142 Theory II	2
Music 141 Theory I	2	Music 147 E.T./S.S II	1
Musap 131 Major applied	2	Ensemble	1
Eng 131	3	SC 135 or 136	3
Ensemble	1	MUSAP 132 Major applied	2
MUSI 146 E.T./S.S. 1	1	Eng 131	3
	12		12

Second Year			
Third Semester		Fourth Semester	
Music 100 Seminar	--	Music Seminar	
Music 241 Theory III	2	Music 242 Theory IV	2
Music 246 E.T./S.S. III	1	Music 247 E.T./S.S. IV	1
Musap 231 Major applied	2	Musap 232 Major applied	2
Ensemble	1	Ensemble	1
Music 228 Jazz Improv. I	2	Music 229 Jazz Improv. II	2
Eng 2_	3	Soc/Behavior Science elective	3
	11 hrs		11 hrs

Third Year			
Fifth Semester		Sixth Semester	
Music 100 Seminar	--	Music 100 Seminar	
Music 253 Jazz Theory I	3	Music 300 Junior Recital	0
Music 331 Major applied	2	Music 338 History II	3
Ensemble	1	Musap 332 Major applied	2
Pols 231	3	Ensemble	1
Science elective	4	Music 254 Jazz Theory II	3
		Pols 232	3
	13 hrs		12 hrs

Fourth year			
Seventh Semester		Eighth Semester	
Music Seminar	--	Music Seminar	1
Music 431 Conducting	3	Music 480 Business of Music	3
Musap 431 Major applied	2	Musap 432 Major applied	2
Music 335 Orchestration	3	Visual and Performing Arts elective	3
Music 343 Jazz History	3	PE	1
	11**		10**

Fifth year			
Ninth Semester		Tenth Semester	
Math 13_	3	Biology 143 and (L)	4
History 231	3	History 232	3
Music 337 History I	3	Music 333 Form and Analysis	3
Foreign Language	3	Foreign Language	3
	12 hrs		13 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
Music elective	2	Music elective(s)**	3
Ensemble	1	Music 400 Senior recital	0
	3		3

**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.

Bachelor of Arts in Theatre
 (With Specialty-No Minor Required)
 Four Year Degree Plan - Total Credits: 122

First Year			
First Semester		Second Semester	
Th/C 130	3	Bio	4
Th/C 151	3	Art	3
Eng 131	3	Psy 131 or Soc. 157	3
Foreign Language	3	Eng 132	3
Math 133	3	Foreign Language	3
	15		16

Second Year			
Third Semester		Fourth Semester	
Th/C 231	3	Th/C 240 or 251	3
CS 116	3	Hist 231	3
Eng 2	3	PE 108 or 110	1
Th/C 252	3	Speech 135 or 136	3
		Nat. Sci	4
	12		14

Third Year			
Fifth Semester		Sixth Semester	
Th/C 332 or 334	3	Th/C 477	9
Th/C 337	3	Th/C 338	3
Th/C 331 or 450	3	Pol. Sci 232	3
Pol. Sci 231	3	Music 173	1
Music elective	3		
	15		16

Fourth Year			
Seventh Semester		Eighth Semester	
Th/C 498	9	Th/C 499	9
Th/C 438	3	Art elective	3
Th/C 431 or 334	3	Th/C 339 or 450	3
	15		15

Summer I			
Th/C 450	3		
	3		

Bachelor of Arts in Theatre
 (With Specialty-No Minor Required)
 Five Year Degree Plan - Total Credits: 121

First Year			
First Semester		Second Semester	
Th/C 130	3	Bio	4
Th/C 151	3	Art	3
Eng 131	3	Psy 131 or Soc. 157	3
Math 133	3	Eng 132	3
	12		16

Second Year			
Third Semester		Fourth Semester	
Th/C 231	3	Th/C Elective	3
Hist 231	3	Hist 232	3
Eng 2	3	Speech 135 or 136	3
Th/C 252	3	CS 116	3
	12		15

Third Year			
Fifth Semester		Sixth Semester	
Th/C 332 or 331	3	Nat. Sci	4
Th/C 337	3	P.E. 108 or 110	3
Pol. Sci 231	3	Pol. Sci 232	3
Music elective	3	For. Lang	3
		Musi 173	1
	12		14

Fourth Year			
Seventh Semester		Eighth Semester	
Th/C 334 or 431	9	Th/C 497	9
Art elective	3	Th/C 339	3
Th/C 338	3	For Lang.	3
	15		15

Fifth Year			
Ninth Semester		Tenth Semester	
Th/C 498	9	Th/C 499	9
Th/C 438	3	Th/C 450 or 457	3
	12		12

Bachelor of Arts in Theatre
 (With Specialty-No Minor Required)
 Six Year Degree Plan - Total Credits: 121

First Year			
First Semester		Second Semester	
Th/C 130	3	Eng 132Bio	3
Th/C 151	3	Art 131	3
Eng 131	3	Math 133	3
	9		9

Second Year			
Third Semester		Fourth Semester	
Th/C 231	3	Eng 2	3
BIOL 143	4	Th/C 240 or 251	3
Psy 131 or Soc 157	3	Speech 135 or 136	3
	10		9

Third Year			
Fifth Semester		Sixth Semester	
Hist. 231	3	Hist 232	3
CS 116	3	Nat. Sci	4
PE 108 or 110	1	Th/C 240 or 251	3
Th/C 332 or 334	3		10
	10		

Fourth Year			
Seventh Semester		Eighth Semester	
Th/C 334 or 431	3	Th/C 338	3
TH/C 337	3	Music 173	1
Pol. Sci 231	3	Art elective	3
		Pol Sci 232	3
	9		10

Fifth Year			
Ninth Semester		Tenth Semester	
Mus. Elective	3	Th/C 497	9
Th/C 438	3	Th/C 339	3
For. Lang.	3		
	9		12

Sixth Year			
Ninth Semester		Tenth Semester	
Th/C 498	9	Th/C 499	9
For. Lang.	3	Th/C 450 or 457	3
	12		12

*Theatre or Dance Electives may be taken to total 12 semester hours.

DEPARTMENT OF FOREIGN LANGUAGES

The mission of the Department of Foreign Languages is to provide cultural studies and training in foreign language arts and literature. Through courses and extra-curricular activities, the Department of Foreign Languages promotes fluency in French and Spanish to make students sensitive to other cultures; to develop their skills in communication, critical thinking, cultural understanding, and reading, and to help them to succeed professionally in the global community.

The Department of Foreign Languages offers courses leading towards two undergraduate degrees: the Bachelor of Arts (B.A.) Degree in French, and the Bachelor of Arts Degree in Spanish.

In selecting a French or Spanish major or minor, 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 or Spanish majors, 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 French, 121 semester hours are required,** including the following three-credit courses: FR 131, FR 132, FR 231, FR 232, FR 331, FR 335, FR 347, FR 432, FR 438, and FR 439.
- 2. For the major in Spanish, 121 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.
- 3. 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.
- 4. For the minor in Spanish, 21 semester hours are required.** Students must take a total of seven three-credit courses. Students must take sequentially SPAN 231 and SPAN 232. After taking SPAN 331 and SPAN 332, they will have to take three more courses from the following list: SPAN 333, SPAN 334, SPAN 335, SPAN 336, SPAN 438, SPAN 441, SPAN 444, and SPAN 445.

The offices of the Department of Foreign Languages and of the faculty of the Department are located on the third floor of Martin Luther King Center with the Department Office located in Room 301. Questions may be directed to the Department Office at (713)-313-1324.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Blanco-Flynn, Carmen Instructor B.S., CSM Colorado M.A., University of Houston blancoflynnncr@tsu.edu 713-313-7712 MLK 323</p>	<p>Gonzales, Antonio Visiting Assistant Professor B.A., University of Maryland M.A., University of Tennessee J.D., Miles College School of Law gonzaleza@tsu.edu 713-313-1335 MLK 315</p>
<p>Boles, Miryan Visiting Instructor B.A., Central University, Quito Ecuador M.A., Universidad de Salamanca bolesmi@tsu.edu 713-313-7615 MLK 315</p>	<p>Samano, Alfredo Instructor B.A., M.A., University of Texas Pan American 713-313-7287 MLK 323</p>
<p>Caussinus, Marylise Assistant Professor B.A., M.A., La Sorbonne, Paris Ph.D., University of Louisiana at Lafayette caussinism@tsu.edu 713-313-7650 MLK 306</p>	<p>Sun, Haiqing Associate Professor B.A., M.A., Peking University, Beijing Ph.D., University of Southern California sunh@tsu.edu 713-313-7022 MLK 307</p>
<p>Erwin, Tommy Visiting Instructor B.A., M.A., Texas Southern University M.A., School for International Training A.B.D., Union Institute and University erwintg@tsu.edu 713-313-7612 MLK 308</p>	<p>Herold, Marsha Administrative Assistant Department of Foreign Languages heroldm@tsu.edu 713-313-1324 MLK 301</p>
<p>Garcia, Maria Carmen Chair and Assistant Professor B.A., M.A., University of Texas at Brownsville Ph.D., University of Houston garcia_mc@tsu.edu 713-313-7064 MLK 300</p>	

SPAN 444

Masterpieces of Hispanic Literature

(3)

Study of great 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)

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. Prerequisite: Senior standing as a Spanish major or minor and consent of both the Faculty Chair and instructor.

Bachelor of Art Degree in French
Four Year Degree Plan - Total Credits: 121

First Year			
First Semester		Second Semester	
French 131	3	French 132	3
English 131	3	English 132	3
History 131	3	History 132	3
Biology 143 or Chemistry 111 and 131	4	Math 134	3
Math 133	3	Physics 101 or Geology 141	4
Health 233	2		
	18 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
French 231	3	French 232	3
English 231	3	History 232	3
History 231	3	Psychology 131 or Sociology 157	3
THC 130, Art 131 or Art 132 or Music 131		SC 135 or 136	3
Or Music 239	3	Political Science 232	3
Political Science 231	3		
	15 hrs		15 hrs

Third Year			
Fifth Semester		Sixth Semester	
French 331	3	French 347	3
French 335	3	CS 116	3
English 230	3	Spanish 132	3
Spanish 131	3	Minor courses	6
Minor course	3		
Lit Electives	3		
	18 hrs		15 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
French 432	3	French 438	3
Lit Electives	3	French 439	3
Minor courses	6	Minor courses	6
	12 hrs		12 hrs

Bachelor of Arts Degree in French
Five Year Degree Plan - Total Credits: 121

First Year			
First Semester		Second Semester	
French 131	3	French 132	3
English 131	3	English 132	3
SC 135 or 136	3	Biology 143 or Chemistry 111 and 131	4
THC 130, ART 131 or ART 132 or Music 131		CS 116	3
Or Music 239	3		
	12 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
French 231	3	French 232	3
History 131	3	History 132	3
Math 133	3	Math 134	3
Psychology 131 or Sociology 157	3	Physics 101 or Geology 141	4
	12 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
French 331	3	French 335	3
English 231	3	History 232	3
History 231	3	Spanish 132	3
Spanish 131	3		
	12 hrs		9 hrs

Fourth year			
Seventh Semester		Eighth Semester	
French 347	3	French 432	3
Pols 231	3	Pols 232	3
HED 233	2	Lit Elective	3
Lit Elective	3	Minor course	3
Minor course	3		
	14 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
French 438	3	French 439	3
English 230	3	Minor courses	9
Minor courses	6		
	12 hrs		12 hrs

Bachelor of Arts Degree in French
Six Year Degree Plan - Total Credits: 121

First year			
First Semester		Second Semester	
French 131	3	French 132	3
English 131	3	English 132	3
Phys 101 or Geol 141	4	Biology 143 or Chemistry 111 and 131	4
	10 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
French 231	3	French 232	3
History 131	3	History 132	3
Math 133	3	Math 134	3
HED 233	2	CS 116	3
	11 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
French 331	3	THC 130, Art 131 or Music 131 or 239	3
English 231	3	French 347	3
History 231	3	History 232	3
SC 135 or 136	3		
	12 hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
French 335	3	Psy 131 or Soc 157	3
Pols 231	3	Pols 232	3
Spanish 131	3	English 230	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
French 432	3	French 438	3
Spanish 132	3	Lit Electives	6
Minor course	3	Minor course	3
	9 hrs		12 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
French 439	3	Minor courses	9
Minor courses	6		
	9 hrs		9 hrs

Bachelor of Arts Degree in Spanish
Four Year Degree Plan - Total Credits: 121

First Year			
First Semester		Second Semester	
Spanish 131	3	Spanish 132	3
English 131	3	English 132	3
History 131	3	History 132	3
Biology 143 or Chemistry 111 and 131	4	Physics 101 or Geology 141	4
Speech 135 or 136	3	Theatre 130 or Art 131 or 132 or Music 131 or 239	3
	16 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
Spanish 231	3	Spanish 232	3
English 230	3	English 231	3
History 231	3	History 232	3
Math 133	3	Math 134	3
Psychology 131 or Sociology 157	3	Computer Science	3
	15 hrs		15 hrs

Third Year			
Fifth Semester		Sixth Semester	
Spanish 331	3	Spanish 332	3
French 131	3	French 132	3
Political Science 231	3	Political Science 232	3
Health 233	2	Minor courses	9
Minor courses	6		
	17 hrs		18 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
Spanish Elective	3	Spanish 445	3
Minor Course	3	Minor Course	3
	12 hrs		12 hrs

Bachelor of Art Degree in Spanish
Five Year Degree Plan - Total Credits: 121

First Year			
First Semester		Second Semester	
Spanish 131	3	Spanish 132	3
English 131	3	English 132	3
Biology 143 or Chemistry 111 and 131	4	Physics 101 or Geology 141	4
Speech 135 or 136	3	Theatre 130 or Art 131 or 132 or Music 131 or 239	3
	13 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
Spanish 231	3	Spanish 232	3
English 230	3	English 231	3
Math 133	3	Math 134	3
History 131	3	History 132	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
Spanish 331	3	Spanish 332	3
History 231	3	History 232	3
Health 233	2	Minor course	3
Psychology 131 or Sociology 157	3	Computer Science	3
	11 hrs		12 hrs

Fourth year			
Seventh Semester		Eighth Semester	
Spanish 333 or 334	3	Spanish 441	3
Political Science 231	3	Political Science 232	3
Minor course	3	Minor course	3
French 131	3	French 132	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
Spanish 335 or 336	3	Spanish 438 or 444	3
Spanish Elective	3	Spanish 445	3
Minor courses	6	Minor courses	6
		Elective	2
	12 hrs		12 hrs

Bachelor of Arts Degree in Spanish
Six Year Degree Plan - Total Credits: 121

First year			
First Semester		Second Semester	
Spanish 131	3	Spanish 132	3
English 131	3	English 132	3
Biology 143 or Chemistry 111 and 131	4	Physics 101 or Geology 141	4
	10 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
Spanish 231	3	Spanish 232	3
English 230	3	English 231	3
Math 133	3	Math 134	3
Speech 135 or 136	3	Computer Science	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
Spanish 331	3	Spanish 332	3
History 131	3	History 132	3
Psychology 131 or Sociology 157	3	Theatre 130 or Art 131 or 132 or	
Health 233	2	Music 131 or 239	3
	11 hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
Spanish 333 or 334	3	Spanish 441	3
History 231	3	History 232	3
Minor courses	6	Minor course	3
	12 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
Spanish 335 or 336	3	Spanish 438 or 444	3
Minor course	3	Minor course	3
Political Science 231	3	Political Science 232	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
Spanish Elective	3	Spanish 445	3
French 131	3	French 132	3
Minor course	3	Minor course	3
	9 hrs		9 hrs

DEPARTMENT OF HISTORY, GEOGRAPHY, AND ECONOMICS

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, the Department also provides instruction in one Geology (GEOL) course offered through the University. To complement course offerings, **three undergraduate degrees, the Bachelor of Arts (B.A.) in History, the Bachelor of Arts (B.A.) in Economics, and 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 Public Affairs Building with the Department Office located in Room 320B.

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 the program of study 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 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 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 or the Bachelor of Arts in Economics 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 three undergraduate degrees or one of the six minors offered through the Department must first gain admission to the University, must satisfy ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), and must petition the Department for admission as ASSET 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 can not 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 four (4) three-credit courses and nine (9) additional credits at the 200-level or above. The four required courses are: ENG 304 – British Writers II; HIST 349 – Women' History; SOC 460 – Women in Society and POLS 499 – Women in Politics. The remaining nine credits may be selected from the following courses: SOC 221 – Sociology of Human Sexuality, ENG 243 – Africana Literature, HIST 348 – Women and Empire and SOCW 333 – Violence and Abuse in Families.

In summary, students must gain admission to the University, must satisfy ASSET requirements, 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>Batie, Clarence Instructor B.A., M.A., Prairie View A & M University</p>	<p>Kossie-Chernyshev, Karen L. Associate Professor B.A., M.A., Rice University M.A., Michigan State University Ph.D., Rice University</p>
<p>Beeth, Howard O. Professor B.A., M.A., Temple University Ph.D., University of Houston</p>	<p>Maddox, Gregory H. Professor B.A., University of Virginia Ph.D., Northwestern University</p>
<p>Brown, William Associate Professor B.A. Fayetteville State University M.A. Bowling Green State University Ph.D. University of North Carolina Chapel Hill</p>	<p>Norman, Emlyn A. Assistant Professor B.A., University of New Brunswick M.A., Harvard University</p>
<p>Chaudhuri, Nupur Associate Professor B.A., University of Calcutta M. A.T., Smith College M.A., Ph.D., Kansas State University</p>	<p>Pitre, Merline Professor B.S., Southern University M.A., Atlanta University M.A., Ph.D., Temple University</p>
<p>Horvitz, Sigmund Professor A. B., M. A., Brown University L. L. B., University of Texas at Austin Ph.D., University of Houston</p>	<p>Wintz, Cary D. Professor B.A., Rice University M.A., Ph.D., Kansas State University</p>
<p>Keleta, Ethiopia Professor B.A., Haile Selassie University, Addis Ababa M.A., University of Texas at Austin Ph.D., Rice University</p>	

- 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.**

- 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: 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.

Bachelor of Arts Degree in History
Foreign Language Track
Four Year Degree Plan - Total Credits: 122

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
	16 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	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
	13 hrs		15 hrs

Bachelor of Arts Degree in History
 Foreign Language Track
 Five Year Degree Plan - Total Credits: 122

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
History 231	3	History 232	3
	13 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
English 2xxx	3	English 2xxx	3
History 131	3	History 132	3
Math 133	3	Math 231	3
Foreign Language	3	Foreign Language	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
Foreign Language	3	History 332 or Hist. elective	3
History 331 or Hist. elective	3	SC 135/136	3
Social & Behavioral Sciences	3	Minor	3
Political Science 231	3	Political Science 232	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
Social & Behavioral Science	3	History elective	3
History elective	3	History elective	3
Minor	3	Minor	3
Minor	3	Minor	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
History 420	3	History elective	3
History elective	3	Elective	3
Minor	3	Elective	3
Minor	3	Elective	3
	12 hrs		12 hrs

Bachelor of Arts Degree in History
Foreign Language Track
Six Year Degree Plan - Total Credits: 122

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
History 231	3	History 232	2
	13 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
English 2xxx	3	English 2xxx	3
History 131	3	History 132	3
Math 133	3	Math 231	3
Foreign Language	3	Foreign Language	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
Foreign Language	3	History 332 or Hist. elective	3
History 331 or Hist. elective	3	Minor	3
Political Science 231	3	Political Science 232	3
	9 hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
Visual and Performing Arts	3	SC 135/136	3
History elective	3	Social and Behavioral Science	3
Minor	3	Minor	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
History 420	3	History elective	3
History elective	3	Elective	3
Minor	3	Minor	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
History elective	3	History elective	3
Minor	3	Minor	3
Elective	3	Elective	3
	9 hrs		9 hrs

Bachelor of Arts Degree in History
 Computer Science Track
 Four Year Degree Plan – Total Credits: 122

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
	16 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	Minor	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

Bachelor of Arts Degree in History
 Computer Science Track
 Five Year Degree Plan – Total Credits: 122

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
History 231	3	History 232	3
	13 hrs		13 hrs

Second Year			
Third Semester	Fourth	Semester	
English 2xx	3	English 2xx	3
History 131	3	History 132	3
Math 133	3	Math 231	3
Computer Science xxx	3	Computer Science xxx	3
	12 hrs		12 hrs

Third Year			
Fifth Semester	Sixth	Semester	
History elective	3	History 332 or Hist. elective	3
History 331 or Hist. elect	3	History elective	3
History elective	3	SC 135/136	3
Political Science 231	3	Political Science 232	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester	Eighth	Semester	
Visual & Performing Arts	3	History elective	3
PA 301	3	Social & Behavioral Science	3
Minor	3	Minor	3
Minor	3	Minor	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester	Tenth	Semester	
History elective	3	History elective	3
History 420	3	Elective	3
Minor	3	Minor	3
Elective	3	Minor	3
	12 hrs		12 hrs

Bachelor of Arts Degree in History
 Computer Science Track
 Six Year Degree Plan – Total Credits: 122

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
History 231	3	History 232	3
	13 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
English 2xx	3	English 2xx	3
History 131	3	History 132	3
Math 133	3	Math 231	3
Computer Science xxx	3	Computer Science xxx	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
PA 301	3	History 332 or Hist. elective	3
History 331 or Hist. elective	3	SC 135/136	3
Political Science 231	3	Political Science 232	3
	9 hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
Social & Behavioral Science	3	Visual & Performing Arts	3
History elective	3	History elective	3
Minor	3	Minor	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
History 420	3	History elective	3
History elective	3	Elective	3
Minor	3	Minor	3
	9 hrs		9hrs

Sixth year			
Eleventh Semester		Twelfth Semester	
History elective	3	Minor	3
Minor	3	Minor	3
Elective	3	Elective	3
	9 hrs		9 hrs

Bachelor of Arts Degree in Economics
Four Year Degree Plan - Total Credits: 122

First Year			
First Semester		Second Semester	
Geology 141	4	Biology 143	4
Computer Science 116	3	Computer Science 117	3
English 131	3	English 132	3
Visual & Performing Arts	3	Math 133	3
Social & Behavioral Science	3	Speech 135 or 136	3
	16 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
Economics 231	3	Economics 232	3
English 2xx	3	English 2xx	3
History 231	3	History 232	3
Political Science 231	3	Political 232	3
Math 231	3	Elective	3
	15 hrs		15 hrs

Third Year			
Fifth Semester		Sixth Semester	
Economics 330	3	Economics 336	3
Elective	3	Elective	3
Minor	3	Minor	3
Minor	3	Minor	3
Accounting 231	3	Accounting 232	3
	15 hrs		15 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
Economics 437	3	Economics 431	3
Economics Elective	3	Economics Elective	3
Minor	3	Minor	3
Minor	3	Economic Elective	3
Economic Elective	3	Economic Elective	3
	15 hrs		15 hrs

Bachelor of Arts Degree in Economics
Five Year Degree Plan - Total Credits: 122

First Year			
First Semester		Second Semester	
Geology 141	4	Biology 143	4
Computer Science 116	3	Computer Science 117	3
English 131	3	English 132	3
Math 133 or 135	3	Social & Behavioral Science	3
	13 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
English 2xx	3	English 2xx	3
Speech 135 or 136	3	Math 231	3
Economics 231	3	Economics 232	3
Visual & Performing Arts	3	Minor	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
Economics 330	3	Economics 336	3
Political Science 231	3	Political Science 232	3
Minor	3	Minor	3
History 231	3	History 232	3
	12 hrs		12 hrs

Fourth year			
Seventh Semester		Eighth Semester	
Economics 431	3	Economics 437	3
Elective	3	Elective	3
Minor	3	Minor	3
Accounting 231	3	Accounting 232	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
Economics Elective	3	Economics Elective	3
Elective	3	Economics Elective	3
Economics Elective	3	Economics Elective	3
Minor	3	Minor	3
	12 hrs		12 hrs

Bachelor of Arts Degree in Economics
Six Year Degree Plan - Total Credits: 122

First year			
First Semester		Second Semester	
Geology 141	4	Biology 143	4
Computer Science 116	3	Computer Science 117	3
English 131	3	English 132	3
Math 133 or 135	3	Social & Behavioral Science	3
	13 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
English 2xx	3	English 2xx	3
Speech 135 or 136	3	Math 231	3
Economics 231	3	Economics 232	3
Visual & Performing Arts	3	Minor	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
Economics 330	3	Economics 336	3
Political Science 231	3	Political Science 232	3
History 231	3	History 232	3
	9 hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
Economics 431	3	Economics 437	3
Elective	3	Elective	3
Minor	3	Minor	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
Economics Elective	3	Economics Electives	3
Accounting 231	3	Accounting 232	3
Minor	3	Minor	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
Economics Elective	3	Economics Elective	3
Minor	3	Minor	3
Elective	3	Economics Elective	3
	9 hrs		9 hrs

Bachelor of Arts Degree in General Studies
Option I - Total Credits: 122
4-YEAR PLAN

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	CHEM 111 General Chemistry I Lab	1
CS 116 Intro to Computer Science I	3	CHEM 131 General Chemistry I Lec	3
MATH 133 College Algebra	3	MATH 135 or 136 Math for Business & Economic Analysis or Pre-Calculus Math	3
SOC 157 Intro to Sociology	3	ENG 132 Freshman English II	3
BIOL 143 or PHYS 101 Survey of Life or Principles of Physical Science	4	SC 135 Business and Professional Communication	3
		CS 117 Intro to Computer Science II	3
	16 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper Level English	3	HIST 232 Social & Political History	3
HIST 231 Social & Political History of the United States to 1877	3	POLS 232 American Political System II	3
CS 216 Advanced Applications I	3	ELECTIVE	3
MUSI 239 Fine Arts in Daily Living	3	ELECTIVE	3
POLS 231 American Political System I	3	SPECIALTY	3
ECON 231 Principles of Economics I	3		3
	18 hrs		15 hrs

Third Year			
Fifth Semester		Sixth Semester	
HIST 322 African American History since 1865	3	POLS 410 Politics in Black America	3
HIST 349 Women's History	3	GEOG 430 or GEOG 337 The People & Culture of Africa or Geography of Asia	3
ENG 338 Advanced Composition	3	ELECTIVE	3
SOC 335 Race and Ethnicity	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
ELECTIVE	3	ELECTIVE	3
SPECIALTY	3		
	15 hrs		12 hrs

Bachelor of Arts Degree in General Studies
Option I - Total Credits: 122
5-YEAR PLAN

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	Chem. 111 General Chemistry I Lab	1
CS 116 Intro to Computer Science I	3	CS 117 Intro to Computer Science II	3
MATH 133 College Algebra	3	MATH 135 or 136 Math for Business & Economic Analysis or Pre-Calculus Math	3
BIOL 143 or PHYS 101 Survey of Life or Principles of Physical Science	4	ENG 132 Freshman English II	3
		CHEM 131 General Chemistry I Lec	3
	13 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper Level English	3	HIST 232 Social & Political History	3
HIST 231 Social & Political History of the United States to 1877	3	POLS 232 American Political System II	3
PSY 131 General Psychology	3	SC 135 Business and Professional Communication	3
POLS 231 American Political System I	3	ELECTIVE	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
MUSI 239 Fine Arts in Daily Living	3	HIST 322 African American History since 1865	3
CS 216 Advanced Applications I	3	ENG 338 Advanced Composition	3
ELECTIVE	3	ELECTIVE	3
ECON 231 Principles of Economics I	3	ELECTIVE	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
SOC 335 Race and Ethnicity	3	SPECIALTY	3
HIST 349 Women's History	3	ELECTIVE	3
SPECIALTY	3	ELECTIVE	3
SPECIALTY	3	POLS 410 Politics in Black America	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
GEOG 430 or GEOG 337 The People & Culture of Africa or Geography of Asia	3	SPECIALTY	3
ELECTIVE	3	SPECIALTY	3
ELECTIVE	3	SPECIALTY	3
ELECTIVE	3	SPECIALTY	3
	12 hrs		12 hrs

Bachelor of Arts Degree in General Studies
Option I - Total Credits: 122
6-YEAR PLAN

First year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	CHEM 111 General Chemistry I Lab	1
MATH 133 College Algebra	3	CHEM 131 General Chemistry I Lec	3
BIOL 142 or PHYS 101 Survey of Life or Principles of Physical Science	4	ENG 132 Freshman English II	3
		MATH 135 or MATH136 Math for Business & Economic Analysis or Pre-Calculus Math	3
	10 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
SOC 157 Intro to Sociology	3	ENG 2xx Upper Level English	3
CS 116 Intro to Computer Science I	3	HIST 231 Social and Political History of the United States to 1877	3
SC 135 Business and Professional Communication	3	CS 117 Intro to Computer Science II	3
SPECIALTY	3	SPECIALTY	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
MUSI 239 Fine Arts in Daily Living	3	POLS 231 American Political System I	3
CS 216 Advanced Applications I	3	ECON 231 Principles of Economics I	3
HIST 232 Social & Political History	3	SPECIALTY	3
SPECIALTY	3	ELECTIVE	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
POLS 232 American Political System II	2	HIST 349 Women's History	3
SPECIALTY	3	ENG 338 Advanced Composition	3
HIST 322 African American History since 1865	1	ELECTIVE	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
SOC 335 Race & Ethnicity	3	GEOG 430 The People & Culture of Africa	3
SPECIALTY	3	POLS 410 Politics in Black America	3
ELECTIVE	3	SPECIALTY	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
ELECTIVE	3	ELECTIVE	3
ELECTIVE	3	ELECTIVE	3
ELECTIVE	3	ELECTIVE	3
	9 hrs		9 hrs

Bachelor of Arts Degree in General Studies
Option II - Total Credits: 122
4-YEAR PLAN

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	CHEM 111 General Chemistry I Lab	1
CS116 Intro to Computer Science I	3	CHEM 131 General Chemistry I Lec	3
MATH 133 College Algebra	3	MATH 135 or 136 Math for Business & Economic Analysis or Pre-Calculus Math	3
PSY 131 General Psychology	3	ENG 132 Freshman English II	3
BIOL 143 or PHYS 101 Survey of Life or Principles of Physical Science	4	SC 135 Business and Professional Communication	3
		CS 117 Intro to Computer Science II	3
	16 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper Level English	3	HIST 232 Social & Political History	3
HIST 231 Social & Political History of the United States to 1877	3	POLS 232 American Political System II	3
CS 216 Advanced Applications I	3	ECON 231 Principles of Economics I	3
MUSI 239 Fine Arts in Daily Living	3	HIST 322 African American History since 1865	3
POLS 231 American Political System I	3	SOC 238 Introduction to Anthropology	3
	15 hrs		15 hrs

Third Year			
Fifth Semester		Sixth Semester	
PSY 332 Vocational & Industrial Psychology	3	POLS 410 Politics in Black America	3
HIST 349 Women's History	3	GEOG 430 The People & Culture of Africa	3
ENG 338 Advanced Composition	3	AJ 211 Introduction to Court Systems	3
SOC 335 Race and Ethnicity	3	GEOG 337 Geography of Asia	3
SPECIALTY	3	SPECIALTY	3
	15 hrs		15 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PA 301 Research Methods in Public Administration	3	SPECIALTY	3
ELECTIVE	3	SPECIALTY	3
ELECTIVE	3	SPECIALTY	3
ELECTIVE	3	SPECIALTY	3
SPECIALTY	3	ELECTIVE	3
	15 hrs		15 hrs

Bachelor of Arts Degree in General Studies
Option II - Total Credits: 122
5-YEAR PLAN

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	CHEM 111 General Chemistry I Lab	1
CS116 Intro to Computer Science I	3	CHEM 131 General Chemistry I Lec	3
MATH 133 College Algebra	3	MATH 135 or 136 Math for Business & Economic Analysis or Pre-Calculus Math	3
BIOL 143 or PHYS 101 Survey of Life or Principles of Physical Science	4	ENG 132 Freshman English II	3
		CS 117 Intro to Computer Science II	3
	13 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper Level English	3	HIST 232 Social & Political History	3
HIST 231 Social & Political History of the United States to 1877	3	POLS 232 American Political System II	3
PSY 131 General Psychology	3	ECON 231 Principles of Economics I	3
POLS 231 American Political System I	3	SC 135 Business and Professional Communication	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
MUSI 239 Fine Arts in Daily Living	3	HIST 349 Women's History	3
AJ 211 Introduction to Court Systems	3	ENG 338 Advanced Composition	3
HIST 332 Modern Europe since 1815	3	SOC 335 Race & Ethnicity	3
SPECIALTY	3	SPECIALTY	3
	12 hrs		12 hrs

Fourth year			
Seventh Semester		Eighth Semester	
PSY 332 Vocational & Industrial Psychology	3	POLS 410 Politics in Black America	3
GEOG 430 The People & Culture of Africa	3	CS 216 Advanced Applications I	3
SPECIALTY	3	GEOG 337 Geography of Asia	3
SOC 238 Introduction to Anthropology	3	SPECIALTY	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
SPECIALTY	3	ELECTIVE	3
SPECIALTY	3	ELECTIVE	3
SPECIALTY	3	ELECTIVE	3
PA 301 Research Methods in Public Administration	3	ELECTIVE	3
	12 hrs		12 hrs

Bachelor of Arts Degree in General Studies
Option II - Total Credits: 122
6-YEAR PLAN

First year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	CHEM 111 General Chemistry I Lab	1
MATH 133 College Algebra	3	CHEM 131 General Chemistry I Lec	3
BIOL 142 or PHYS 101 Survey of Life or Principles of Physical Science	4	ENG 132 Freshman English II	3
		MATH 135 or MATH136 Math for Business & Economic Analysis or Pre-Calculus Math	3
	10 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper Level English	3	HIST 232 Social & Political History	3
HIST 231 Social & Political History of the United States to 1877	3	POLS 232 American Political System II	3
CS 116 Intro to Computer Science I	3	SC 135 Business and Professional Communication	3
POLS 231 American Political System I	3	CS 117 Intro to Computer Science II	3
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
MUSI 239 Fine Arts in Daily Living	3	HIST 322 African American History since 1865	3
CS 216 Advanced Applications I	3	PSY 332 Vocational & Industrial Psychology	3
ECON 231 Principles of Economics I	3	SPECIALTY	3
AJ 211 Introduction to Court Systems	3		3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
SOC 335 Race & Ethnicity	3	POLS 410 Politics in Black America	3
SPECIALTY	3	GEOG 430 The People & Culture of Africa	3
SPECIALTY	3	SPECIALTY	3
ENG 338 Advanced Composition	3		
	12 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
SPECIALTY	3	ELECTIVE	3
ELECTIVE	3	SPECIALTY	3
SPECIALTY	3	ELECTIVE	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
ELECTIVE	3	ELECTIVE	3
ELECTIVE	3	ELECTIVE	3
ELECTIVE	3	ELECTIVE	3
	9 hrs		9 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, Foods and Nutrition, Composite Family and Consumer Sciences, Family and Consumer Sciences Certification, or Human Development and Family Studies Certification**. Additionally, the department offers minors in **Child and Family Development, Composite Family and Consumer Sciences** and **Foods and Nutrition**.

The Human Services and Consumer Sciences Department is housed in the Cecelia Scott Lane Building. The Department Office is located in room 103 of that facility. The Department personnel may be contacted at 713-313-7230.

Department Mission:

The mission of the Department of Human Services and Consumer Sciences is to prepare self-empowered, competent individuals for entrepreneurial, leadership and professional roles in human development, dietetics, 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 science educators 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, extension services, 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. in Dietetics or the B.S. 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 Commission on Accreditation for Dietetic Education 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 Bachelor of Science degree in Human Services are presented below.

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.

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 practicum or clinical experience. Students are referred to the Criminal Court House-Criminal Customer Department to request a background check and 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 requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), and must petition the Department for admission as ASSET requirements are completed. Once admitted, students are each assigned an official faculty advisor who must be consulted with on a semester or term basis to ascertain progress toward completion of degree (major) 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.

Description of HSCS Academic Programs

Dietetics Program

Accredited by the American Dietetic Association, 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, and sports 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. Academic requirements include completion of the American Dietetic Association's Didactic Program in Dietetics and a minimum of a baccalaureate or undergraduate degree from a United States regionally accredited college or university.
2. Upon graduation and verification of completion of the didactic program in dietetics, students may apply for Supervised Practice Experience (Dietetic Internships) to establish eligibility for active membership in the American Dietetic Association (ADA) and/or take the Registration Examination.
3. Supervised Practice Requirements include completion of one of the experience pathways approved by the American Dietetic Association: Accredited Dietetic Internships). A listing of currently Accredited Practice Programs is published on the Web site by the American Dietetic Association (ADA).

4. Make a passing score on the National Registration Examination
5. Registration is attained by successfully passing the Registration Examination for Dietitians. Continuing education participation is mandatory requirement for maintenance of registration. Registered dietitians must accumulate 75 hours of approved continuing education every five (5) years.

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/therapists (plays), 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 120 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); 125 semester hours are required for the Human Development and Family Studies certification program; and 126 semester hours are required for the Composite Family and Consumer Sciences program with certification.

Foods and Nutrition Program

The Foods 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 120 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 comparable to those available for the B.S. in Human Services and Consumer Sciences. These tracks are as follows: Child and Family Development, Composite Family and Consumer Sciences, and Foods 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 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 **Foods 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 elective credits at the 300-level or 400-level.

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>Ahmed, Selina Associate Professor B.Sc., M.Sc., College of Home Economics, Dhaka, Bangladesh Ph.D., Texas Women's University</p>	<p>Morgan, Annie Instructor, Director of Didactic Program in Dietetics B.S., Grambling State University M.S., University of Nebraska Dr.P.H. University of Texas RD/LD (Registered/Licensed Dietitian)</p>
<p>Dixon, Kimona Scurlock Visiting Instructor B.S., M.S., Texas Southern University</p>	<p>Nealy, Shirley Professor B.S., Florida A & M University M.A., Ph.D., Ohio State University</p>
<p>Levy-Cullins, Dandy Visiting Instructor B.S., M.S., Texas Southern University</p>	<p>Oates, D. Vantrice Assistant Professor B.S., M.A., Ed.D., Texas Southern University</p>

- CFDV 334 Pre-Adolescence and Adolescent Development (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 Independent Study (3)**
Independent study in area of specialization. Prerequisites: Junior standing and consent of instructor.
- CFDV 431 Theories in Child Development (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 Children's Literature (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 Multicultural Strategies (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 Practicum I (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 and CFDV 235 or 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 or 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 or senior standing.
- CFDV 437 Capstone in Child & Family Development (3)**
Comprehensive study of the integrative, synergistic nature of the field of child and family development from a historical, theoretical, and practical perspective. The Senior Exit Examination also administered. 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 141	Basic Clothing Concepts (2) Study of basic clothing construction. Two hours of lecture per week.
CT 141L	Basic Clothing Concepts Laboratory (2) Laboratory course to accompany CT 141. Four hours of laboratory per week.
CT 243	Textiles I (3) Study of fiber properties, yarns, fabric structures, and finishes as related to serviceability. Three hours of lecture per week.
CT 243L	Textiles I Laboratory (1) Laboratory course to accompany CT 243. Two hours of laboratory per week.

FOODS AND NUTRITION COURSES

FN 111	Introduction to Dietetics (1) Introduction to Dietetics and the American Dietetic Association (ADA), including its purpose, membership requirements, professional ethics, and 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: terminology, physical and chemical properties of nutrients, food sources and functions. The body's utilization of food, nutrients, and calories (absorption, transport, and metabolism) included. Three hours of lecture per week.
FN 253	Meal Management (3) Application of nutritional knowledge to: basic menu planning; food purchasing and storage; basic techniques of food preparation and service; evaluation of family meals at various income levels; and experiences in meal service for various occasions. One hour of lecture and four hours of laboratory per week. Prerequisite: FN 233.
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.
FN 336	Independent Study in Dietetics (3) Independent study in area of specialization. Formerly FN 336 Environmental Nutrition and World Hunger. 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, CHEM 131/111, and CHEM 132/112.

- FN 341** **Management Principles of Food Service Systems** (4)
Study of: organization and management theories, functions, and applications; food service organization; safety and sanitation policies; equipment selection, layout, and design; consumer protection laws; regulations, laws, and standards affecting dietetic practice. Three hours of lecture and two hours of laboratory per week. Prerequisites: FN 233 and FN 253.
- 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, BIOL 245, FN 233, FN 253, FN 333, FN 337, and FN 341.
- FN 413** **Independent Study in Dietetics** (1)
Independent study in area of specialization.
- FN 414** **Seminar in Foods and Nutrition** (1)
Presentations on professional ethics, American Dietetic Association (ADA) standards, computer applications in problem solving, and interviewing techniques. Oral presentation required. One hour of lecture per week. **Offered as needed.**
- FN 427** **Independent Study in Dietetics** (2)
Independent study in area of specialization. Consent of instructor
- FN 428** **Nutrition Education** (2)
Learning theories, observations, and techniques used in applying educational methodology, strategies, and competencies related to effective communication and documentations in methods of teaching; interviewing and counseling individuals and groups. One hour of lecture and two hours of laboratory per week.
- FN 432** **Nutrition in Disease I** (3)
Modifications of normal diets and the application of scientific principles of human nutrition in health and disease; latest developments in dietary treatment of disease; interviewing and counseling, diet instruction; charting. Emphasis on quality assurance, adequacy of modified diets, and nutritional care to patients with clinical problems. Two hours of lecture and two hours of laboratory per week. Prerequisites: FN 333, FN 337, BIOL 245, BIOL 347, CHEM 131/111, CHEM 132/112, CHEM 231/211, and CHEM 343.
- FN 433** **Nutrition in Disease II** (3)
Continuation of FN 432. Two hours of lecture and two hours of laboratory per week. Prerequisite: FN 432.
- FN 434** **Experimental Foods** (3)
Physical and chemical properties of basic food materials and processes by which they are prepared for consumption; application of scientific methods of inquiry to designing, implementing, evaluating, and reporting research results. Research paper required. One hour of lecture and four hours of laboratory per week. Prerequisites: BIOL 347, CHEM 231/211, and CHEM 343.
- 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 laboratory per week. Prerequisite: FN 233, FN 253, FN 333, and FN 337.
- FN 437** **Capstone in Dietetics** (3)
Comprehensive study of the integrative, synergistic nature of the field of dietetics and foods and nutrition from a historical, theoretical, and practical perspective. The Senior Exit Examination also administered.

- FN 441** **Organization Management of Food Service Systems** (4)
Application of organization and management principles and techniques of financial management in food service systems. Emphasis on budgets, operating costs, forecasting, computer applications, quality assurance, and procurement. Two hours of lecture and four laboratory hours per week. Prerequisites: FN 253 and FN 341.
- FN 442** **Independent Study in Dietetics** (4)
Independent study in area of specialization.
- FN 461** **Quantity Cookery** (6)
Application of principles of menu planning and large quantity food processing, production, and distribution according to established quality standards for individuals and groups in health and disease. Three hours of lecture and six hours of laboratory per week. Prerequisites: FN 253, FN 341 and FN 441.

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** **Independent Study in Family and Consumer Sciences** (1)
Independent study in an area of specialization.
- FCS 420** **Independent Study in Family and Consumer Sciences** (2)
Independent study in an area of specialization.
- HSCS 430** **Research in Human Services and Consumer Sciences** (3)
Senior project and intensive study in student's area of specialization and interest. Three hours of lecture per week.
- FCS 431** **Aging and Health Needs** (3)
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.
- FCS 432** **Program Planning and Methodology in Human Services and Consumer Sciences** (3)
Methods and procedures for planning, developing, and implementing programs in Human Services & Consumer Sciences. Three hours of lecture per week.
- FCS 434** **Occupational Programs Public Policy** (3)
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.

- FCS 435** **Communication: Family and Marriage** **(3)**
 Personal and professional growth and development through more effective communication within the family milieu and the marital unit Three hours of lecture per week.
- FCS 436** **Family Resource Management** **(3)**
 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.
- HSCS 437** **Statistics** **(3)**
 Survey of descriptive and inferential statistical techniques. Emphasis on understanding and interpreting statistical concepts used in research. Three hours of lecture per week.
- FCS 438** **Family and Consumer Economics** **(3)**
 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.
- FCS 439** **Family and Community Services** **(1)**
 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.
- FCS 439L** **Family and Community Services Laboratory** **(2)**
 Practicum to accompany HSCS 439. Four hours per week. Prerequisites: HSCS 233 and FCS 436.
- FCS 440** **Survey of Human Development Over the Lifespan** **(4)**
 Independent study in area of specialization.
- FCS 441** **Capstone in Family and Consumer Sciences** **(4)**
 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.

Bachelor of Science Degree in Dietetics
 American Dietetic Association (ADA) Approved
 4 Year Degree Plan with Houston Community College Equivalent*- Total Credits: 123

First year			
First Semester		Second Semester	
FN 111 Introduction to Dietetics	1	FN 253 Meal Management	3
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
	16 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
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

Third Year			
Fifth Semester		Sixth Semester	
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 441 Organization Mgmt of Food Svc Sys	4
CHEM 343 Biochemistry	4	BIOL 347 Microbiology	4
	15 hrs		15 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
FN 428 Nutrition Education	2	FN 433 Nutrition in Disease II	3
FN 432 Nutrition Disease I	3	FN 434 Experimental Foods	3
FN 437 Senior Seminar in Dietetics or FN 413 & FN 427 Independent Study	3	FN 436 Community Nutrition	3
FN 461 Quantity Cookery	6	FCS 432 Program Planning & Methodology	3
		HSCS 437 Statistics	3
	14 hrs		15 hrs

Bachelor of Science Degree in Dietetics
 American Dietetic Association (ADA) Approved
 5 Year Degree Plan with Houston Community College Equivalent*- Total Credits: 123

First year			
First Semester		Second Semester	
FN 111 Introduction to Dietetics	1	FN 233 Elementary Nutrition	3
HSCS 233 Seminar in HSCS	3	MUSI 239 Fine Arts in Daily Living or THC 130 Introduction to Theatre- (Approved Accepted Humanities Course) *	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		
	13 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
POLS 231 American Political System I-(GOVT 2301) *	3	FN 253 Meal Management	3
ENG 2xx Upper level English- (ENGL 2328, 2332, 2333)	3	CS 116 Intro to Computer Science I-(COSC 1300) *	3
BIOL 131 Biological Science I-(BIOL 1306)	3	BIOL 132 Biological Science II-(BIOL 1307) *	3
CHEM 111 General Chemistry Lab-(CHEM 1111)	1	CHEM 112 General Chemistry Lab II-(CHEM 1112) *	1
CHEM 131 General Chemistry I-(CHEM 1311)	3	CHEM 132 General Chemistry II-(CHEM 1312) *	3
	13 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
FN 333 Diet Therapy for Health Professionals	3	FN 337 Human Nutrition	3
FN 341 Mgmt Principles of Food Svc Sys	4	SOC 238 Introduction to Anthropology-(ANTH 2302) *	3
SC 135 Business & Professional Communication or SC 136 Public Address- (SPCH 1321 or SPCH 1315)*	3	CHEM 211 Organic Chemistry Lab-(CHEM 2123) *	1
BIOL 245 Human Anatomy & Physiology	4	CHEM 231 Organic Chemistry I-(CHEM 2323) *	3
		POLS 232 American Political Systems II-(GOVT 2302) *	3
	14 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
FN 343 Junior Seminar in Dietetics	4	FN 428 Nutrition Education	2
CHEM 343 Biochemistry	4	FN 441 Organization Mgmt of Food Svc Sys	4
BIOL 347 Microbiology	4	FN 436 Community Nutrition	3
		FCS 432 Program Planning & Methodology	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
FN 432 Nutrition Disease I	3	FN 433 Nutrition in Disease II	3
FN 437 Senior Seminar in Dietetics or FN 413 & FN 427 Independent Study	3	FN 434 Experimental foods	3
FN 461 Quantity Cookery	6	HSCS 437 Statistics	3
	12 hrs		9 hrs

Bachelor of Science Degree in Dietetics
 American Dietetic Association (ADA) Approved
 6 Year Degree Plan with Houston Community College Equivalent*- Total Credits: 123

First year			
First Semester		Second Semester	
FN 111 Introduction to Dietetics	1	HSCS 233 Seminar in HSCS	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		
	10 hrs		9 hrs

Second Year			
Third Semester		Fourth Semester	
FN 233 Elementary Nutrition	3	FN 253 Meal Management	3
ENG 2xx Upper level English-(ENGL 2328, 2332, 2333) *	3	CHEM 112 General Chemistry Lab II-(CHEM 1112) *	1
CHEM 111 General Chemistry Lab-(CHEM 1111) *	1	CHEM 132 General Chemistry II-(CHEM 1312) *	3
CHEM 131 General Chemistry I-(CHEM 1311) *	3	MUSI 239 Fine Arts in Daily Living or THC 130 Introduction to Theatre- (Approved Accepted Humanities Course) *	3
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	3
SC 135 Business & Professional Communication or SC 136 Public Address- (SPCH 1321 or SPCH 1315) *	3	BIOL 132 Biological Science II-(BIOL 1307) *	3
BIOL 131 Biological Science I-(BIOL 1306) *	3	CHEM 211 Organic Chemistry Lab-(CHEM 2123) *	1
		CHEM 231 Organic Chemistry I-(CHEM 2323) *	3
	9 hrs		10 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
FN 333 Diet Therapy for Health Professionals	3	FN 337 Human Nutrition	3
CS 116 Intro to Computer Science I-(COSC 1300) *	3	SOC 238 Introduction to Anthropology-(ANTH 2302) *	3
CHEM 343 Biochemistry	4	BIOL 245 Human Anatomy & Physiology	4
	10 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
FN 341 Mgmt Principles of Food Svc Sys	4	FN 441 Organization Mgmt of Food Svc Sys	4
FN 343 Junior Seminar in Dietetics	4	FN 436 Community Nutrition	3
BIOL 347 Microbiology	4	FN 428 Nutrition Education	2
		FCS 432 Program Planning & Methodology	3
	12 hrs		12 hrs

Sixth Year			
Ninth Semester		Tenth Semester	
FN 432 Nutrition Disease I	3	FN 433 Nutrition in Disease II	3
FN 437 Senior Seminar in Dietetics or FN 413 & FN 427 Independent Study	3	FN 434 Experimental foods	3
FN 461 Quantity Cookery	6	HSCS 437 Statistics	3
	12 hrs		9 hrs

Bachelor of Science Degree in Human Services and Consumer Sciences
 Child and Family Development Track
 4 Year Degree Plan with Houston Community College Equivalent- Total Credits: 120

First Year			
First Semester		Second Semest*er	
ENG 131 Freshman English I-(ENGL 1301)*	3	ENG 132 Freshman English II-(ENGL 1302) *	3
MATH 133 College Algebra I-MATH 1314)*	3	MATH 134 Plane Trig-(MATH 1316)	3
AD130/130L Environmental Design/Lab-(CDEC 1358)*	3	BIOL 143/143L Survey of Life Science-(BIOL 1408) *	4
HSCS 233 Seminar in HSCS	3	CT Clothing Behavior-(FSHD 1308)	3
Speech 135 or 136 Bus & Prof. Communication or Public Address-(SPCH 1321 or SPCH 1315)*	3	CFDV 233 Family Relationships-(SOC 2301) *	3
	15 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English-(ENGL 2328, 2332 or 2333) *	3	MUSI 239 Fine Arts in Daily Living-(Approved Accepted Humanities Course) *	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) *	3
CFDV 234 Survey of Early Childhood Dev-(TECA 1354) *	3	CFDV 235/235L Interaction w/ Young Child-(CDEC 1319) *	3
GEOL 141 Intro to the Earth-(GEOL 1403) *	4	CS 116 Intro to Computer Science I-(COSC 1300) *	3
FN 233 Elementary Nutrition-(TECA 1318)	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology-(PSYC 2301 or SOC 1301) *	3
	16 hrs		15 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	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-(FREN 1311) *or SPAN 131 Elementary Spanish I-(SPAN 1311)	3
	15 hrs		15 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
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

Bachelor of Science Degree in Human Services and Consumer Sciences
 Child and Family Development Track
 5 Year Degree Plan with Houston Community College Equivalent - Total Credits: 120

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I-(ENGL 1301) *	3	ENG 132 Freshman English II-(ENGL 1302) *	3
MATH 133 College Algebra I-(MATH 1314) *	3	MATH 134 Plane Trig-MATH 1316) *	3
AD130/130L Environmental Design/Lab-(CDEC 1358) *	3	BIOL 143/143L Survey of Life Science-(BIOL 1408) *	4
HSCS 233 Seminar in HSCS	3	CFDV 233 Family Relationships-(SOC 2301) *	3
	12 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English (ENGL 2328, 2332 or 2333) *	3	SC 135 or 136 Business & Professional Communication or Public Address-(SPCH 1321 or SPCH 1315) *	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) *	3
CFDV 234 Survey of Early Childhood Dev-(TECA 1354) *	3	CFDV 235/235L Interaction w/ Young Child-(CDEC 1319) *	3
GEOL 141 Intro to the Earth-(GEOL 1403) *	4	PSY 131 Gen Psychology or SOC 157 Intro to Sociology-(PSYC 2301 or SOC 1301) *	3
	13 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	3
MUSI 239 Fine Arts in Daily Living-(Approved Accepted Humanities Course)	3	CFDV 332 Children's Play: Dev and Role	3
CFDV 331 Methods/Assessment of Young Children	3	CT 130 Clothing Behavior-(FSHD 1308) *	3
CS 116 Intro to Computer Science I-(COSO 1300)	3	FN 233 Elementary Nutrition-(TECA 1318) *	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
CFDV 333 Methods & Procedures in Early Childhood Development	3	CFDV 432 Children's Literature	3
CFDV 334 Pre-Adolescent & Adoles. Dev.	3	MUSI 347 Basic Music Procedures	3
CFDV 335 Independent Study	3	SPED 309 Survey of Exceptional Ed I	3
FR 131 Elementary French I-(FREN 1311) or SPAN 131 Elementary Spanish I-(SPAN 1311)	3		
	12 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
CFDV 431 Theories in Child Development	3	CFDV 434 Practicum I	3
CFDV 433 Multicultural Strategies	3	CFDV 435 Child Nutrition	3
CFDV 436 Parenting	3	CFDV 437 Seminar in Child & Family Dev	3
FCS 436 Family Resource Management	3	HSCS 430 Research in HSCS	3
		HSCS 411 Independent Study in FCS	1
	12 hrs		13 hrs

Bachelor of Science Degree in Human Services and Consumer Sciences
 Child and Family Development Track
 6 Year Degree Plan with Houston Community College Equivalent - Total Credits: 120

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I-(ENGL 1301) *	3	ENG 132 Freshman English II-(ENGL 1302) *	3
MATH 133 College Algebra I-(MATH 1314) *	3	MATH 134 Plane Trig-(MATH 1316) *	3
HSCS 233 Seminar in HSCS	3	BIOL 143/143L Survey of Life Science-(BIOL 1408) *	4
9 hrs		10 hrs	

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English-(ENGL 2328, 2332 or 2333) *	3	HIST 232 Social & Political History of the United States since 1877-(HIST 1302) *	3
HIST 231 Social & Political History of the United States to 1877-(HIST 1301) *	3	CFDV 233 Family Relationships-(SOC 2301) *	3
AD130/130L Environmental Design/Lab-(CDEC 1358) *	3	GEOL 141 Intro to the Earth-(GEOL 1403) *	4
9 hrs		10 hrs	

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	3
CFDV 234 Survey of Early Childhood Dev-(TECA 1354) *	3	CFDV 235/235L Interaction w/ Young Child-(CDEC 1319) *	3
PSY 131 Gen Psychology or SOC 157 Intro to Sociology-(PSYC 2301 or SOC 1301) *	3	CS 116 Intro to Computer Science I-(COSC 1300) *	3
9 hrs		9 hrs	

Fourth Year			
Seventh Semester		Eighth Semester	
MUSI 239 Fine Arts in Daily Living-(Approved Accepted Humanities Course) *	3	CFDV 332 Children's Play: Dev and Role	3
CFDV 331 Methods/Assessment of Young Children	3	CT 130 Clothing Behavior-(FSHD 1308) *	3
SC 135 or 136 Business & Professional Communication or Public Address-(SPCH 1321 or SPCH 1315)	3	FN 233 Elementary Nutrition-(TECA 1318) *	3
9 hrs		9 hrs	

Fifth Year			
Ninth Semester		Tenth Semester	
CFDV 333 Methods & Procedures in Early Childhood Development	3	CFDV 335 Independent Study	3
CFDV 334 Pre-Adolescent & Adoles. Dev.	3	CFDV 432 Children's Literature	3
CFDV 431 Theories in Child Development	3	MUSI 347 Basic Music Procedures	3
FR 131 Elementary French I-(FREN 1311) *or SPAN 131 Elementary Spanish I-(SPAN 1311)	3	SPED 309 Survey of Exceptional Ed I	3
12 hrs		12 hrs	

Sixth Year			
Eleventh Semester		Twelfth Semester	
		CFDV 434 Practicum I	3
CFDV 433 Multicultural Strategies	3	CFDV 435 Child Nutrition	3
CFDV 436 Parenting	3	HSCS 430 Research in HSCS	3
CFDV 437 Seminar in Child & Family Dev	3	HSCS 411 Independent Study in FCS	1
FCS 436 Family Resource Management	3		
12 hrs		10 hrs	

Bachelor of Science Degree in Human Services and Consumer Sciences
Foods and Nutrition Track
Four Year Degree Plan - Total Credits: 121

First year			
First Semester		Second Semester	
FN 111 Introduction to Dietetics	1	FN 253 Meal Management	3
FN 233 Elementary Nutrition	3	CHEM 111 General Chemistry Lab	1
HSCS 233 Seminar in HSCS	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		
	16 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
FN 333 Diet Therapy for Health Professionals	3	FN 337 Human Nutrition	3
CS 116 Intro to Computer Science I	3	SC 135 Business & Professional Communication or SC 136 Public Address	3
BIOL 131 Biological Science I	3	BIOL 132 Biological Science II	3
CHEM 112 General Chemistry Lab II	1	POLS 231 American Political Systems I	3
CHEM 132 General Chemistry II	3	CHEM 211 Organic Chemistry Lab	1
CT 130 Clothing Behavior	3	CHEM 231 Organic Chemistry I	3
	16 hrs		16 hrs

Third Year			
Fifth Semester		Sixth Semester	
FN 341 Mgmt Principles of Food Svc Sys	4	FN 343 Junior Seminar in Dietetics	4
SOC 238 Introduction to Anthropology	3	FN 441 Organization Mgmt of Food Svc Sys	4
AD 130/130L Environmental Design or ART 370 Studies in Art I	3	CFDV 233 Family Relationships	3
POLS 232 American Political Systems II	3	ENG 2xx Upper level English	3
	13 hrs		14 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
FN 432 Nutrition Disease I	3	FN 433 Nutrition in Disease II	3
FN 434 Experimental Foods	3	HSCS 430 Research in HSCS	3
FN 437 Senior Seminar in Dietetics or FN 413 & FN 427 Independent Study	3	FCS 436 Family Resource Management	3
FN 461 Quantity Cookery	6	Elective	6

Bachelor of Science Degree in Human Services and Consumer Sciences
Foods and Nutrition Track
Five Year Degree Plan - Total Credits: 121

First year			
First Semester		Second Semester	
FN 111 Introduction to Dietetics	1	FN 233 Elementary Nutrition	3
HSCS 233 Seminar in HSCS	3	MUSI 239 Fine Arts in Daily Living or THC 130 Introduction to Theatre	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		
	13 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
FN 333 Diet Therapy for Health Professionals	3	FN 253 Meal Management	3
ENG 2xx Upper level English	3	CS 116 Intro to Computer Science I	3
BIOL 131 Biological Science I	3	BIOL 132 Biological Science II	3
CHEM 111 General Chemistry Lab	1	CHEM 112 General Chemistry Lab II	1
CHEM 131 General Chemistry I	3	CHEM 132 General Chemistry II	3
	13 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
FN 341 Mgmt Principles of Food Svc Sys	4	FN 337 Human Nutrition	3
SC 135 Business & Professional Communication or SC 136 Public Address	3	SOC 238 Introduction to Anthropology	3
AD 130/130L Environmental Design or ART 370 Studies in Art I	3	CHEM 211 Organic Chemistry Lab	1
		CHEM 231 Organic Chemistry I	3
POLS 231 American Political System I	3	POLS 232 American Political Systems II	3
	13 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
FN 343 Junior Seminar in Dietetics	4	FN 441 Organization Mgmt of Food Svc Sys	4
CT 130 Clothing Behavior	3	CFDV 233 Family Relationships	3
Elective	3	HSCS 430 Research in HSCS	3
	10 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
FN 432 Nutrition Disease I	3	FN 433 Nutrition in Disease II	3
FN 437 Senior Seminar in Dietetics or FN 413 & FN 427 Independent Study	3	FN 434 Experimental foods	3
FN 461 Quantity Cookery	6	FCS 436 Family Resource Management	3
		Elective	3
	12 hrs		12 hrs

Bachelor of Science Degree in Human Services and Consumer Sciences
 Foods and Nutrition Track
 Six Year Degree Plan - Total Credits: 121

First year			
First Semester		Second Semester	
FN 111 Introduction to Dietetics	1	HSCS 233 Seminar in HSCS	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		
	10 hrs		9 hrs

Second Year			
Third Semester		Fourth Semester	
FN 233 Elementary Nutrition	3	FN 253 Meal Management	3
ENG 2xx Upper level English	3	CHEM 112 General Chemistry Lab II	1
CHEM 111 General Chemistry Lab	1	CHEM 132 General Chemistry II	3
CHEM 131 General Chemistry I	3	MUSI 239 Fine Arts in Daily Living or THC 130 Introduction to Theatre	3
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
FN 333 Diet Therapy for Health Professionals	3	FN 337 Human Nutrition	3
SC 135 Business & Professional Communication or SC 136 Public Address	3	BIOL 132 Biological Science II	3
BIOL 131 Biological Science I	3	CHEM 211 Organic Chemistry Lab	1
		CHEM 231 Organic Chemistry I	3
	9 hrs		10 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
CS 116 Intro to Computer Science I	3	SOC 238 Introduction to Anthropology	3
POLS 231 American Political System I	3	POLS 232 American Political Systems II	3
CT 130 Clothing Behavior	3	AD 130/130L Environmental Design or ART 370 Studies in Art I	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
FN 341 Mgmt Principles of Food Svc Sys	4	FN 441 Organization Mgmt of Food Svc Sys	4
FN 343 Junior Seminar in Dietetics	4	HSCS 430 Research in HSCS	3
Elective	3	CFDV 233 Family Relationships	3
	11 hrs		10 hrs

Sixth Year			
Ninth Semester		Tenth Semester	
FN 432 Nutrition Disease I	3	FN 433 Nutrition in Disease II	3
FN 437 Senior Seminar in Dietetics or FN 413 & FN 427 Independent Study	3	FN 434 Experimental foods	3
FN 461 Quantity Cookery	6	FCS 436 Family Resource Management	3
		Elective	3
	12 hrs		12 hrs

Bachelor of Science Degree in Human Services and Consumer Sciences
 Family and Consumer Science (FCS)-Composite Track
 4 Year Degree Plan with Houston Community College Equivalent*- Total Credits: 123

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I-(ENGL 1301)*	3	ENG 132 Freshman English II-(ENGL 1302) *	3
MATH 133 College Algebra I-(MATH 1314) *	3	BIOL 143/143L Survey of Life Science-(BIOL 1408) *	4
AD131/131L Introduction to Housing-(INDS 2313) *	3	ART 131 Drawing and Composition I-(ARTS 1316) *	3
HSCS 233 Seminar in HSCS	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology-(PSYC 2301 or SOCI 1301) *	3
CT 141/141L Basic Clothing Concepts-(FSHD 1308) *	4	CFDV 233 Family Relationship-(SOCI 2301)*	3
	16 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English-(ENGL 2328, 2332 or 2333) *	3	SC 135 or 136 Business & Professional Communication or Public Address- (SPCH 1321 or SPCH 1315) *	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)	3
CFDV 234 Survey of Early Childhood Dev-(TECA 1354) *	3	CFDV 235/235L Interaction w/ Young Child-(CDEC 1319) *	3
GEOL 141 Intro to the Earth-(GEOL 1403) *	4	CS 116 Intro to Computer Science I-(COSC 1300) *	3
FN 233 Elementary Nutrition	3	FN 253/253L Meal Management-(CHEF 1301) *	3
	16 hrs		15 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	3
FCS 334 Career Opportunities in FCS	3	SPED 309 Survey of Exceptional Ed I	3
CFDV 334 Pre-Adolescent Development	3	HED 477 Human Sexuality	3
CFDV 436 Parenting	3	FCS 335 Principles of FCS	3
CT 243/243L Textiles I	4	FCS 420 Independent Study in FCS	2
		AD 435 Interior Space & Equipment Planning	3
	16 hrs		17 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
FCS 431 Aging and Health Needs	3	FCS 432 Program Planning & Methodology	3
FCS 434 Occupational Programs Public Policy	3	FCS 439/439L Family & Community Services	3
FCS 435 Communication: Family & Marriage	3	FCS 441 Capstone in FCS	3
FCS 436 Family Resource Management	3	HSCS 430 Research in HSCS	3
FCS 438 Family and Consume Economics	3		
	15 hrs		12 hrs

Bachelor of Science Degree in Human Services and Consumer Sciences
 Family and Consumer Science (FCS)-Composite Track
 5 Year Degree Plan with Houston Community College Equivalent* - Total Credits: 123

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I-(ENGL 1301) *	3	ENG 132 Freshman English II-(ENGL 1302) *	3
MATH 133 College Algebra I-(MATH 1314) *	3	BIOL 143/143L Survey of Life Science-(BIOL 1408) *	4
AD131/131L Introduction to Housing-(INDS 2313) *	3	ART 131 Drawing and Composition I-(ARTS 1316) *	3
HSCS 233 Seminar in HSCS	3	CFDV 233 Family Relationships-(SOC 2301) *	3
	12 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English-(ENGL 2328, 2332 or 2333) *	3	SC 135 or 136 Business & Professional Communication or Public Address-(SPCH 1321 or SPCH 1315) *	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) *	3
CFDV 234 Survey of Early Childhood Dev-(TECA 1354)	3	CFDV 235/235L Interaction w/ Young Child-(CDEC 1319) *	3
CT 141/141L Basic Clothing Concepts-(FSHD 1308) *	4	GEOL 141 Intro to the Earth-(GEOL 1403) *	4
	13 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	3
CS 116 Intro to Computer Science I-(COSC 1300) *	3	FN 233 Elementary Nutrition	3
FCS 334 Career Opportunities in FCS	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology-(PSYC 2301 or SOCI 1301) *	3
CT 243/243L Textiles I	4	FCS 335 Principles of FCS	3
	13 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
FCS 431 Aging and Health Needs	3	FCS 432 Program Planning & Methodology	3
FCS 434 Occupational Programs Public Policy	3	AD 435 Interior Space & Equipment Planning	3
FCS 435 Communication: Family & Marriage	3	FN 253/253L Meal Management	3
CFDV 334 Pre-Adolescent Development	3	SPED 309 Survey of Exceptional Ed I	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
FCS 436 Family Resource Management	3	FCS 420 Independent Study in FCS	2
FCS 438 Family and Consume Economics	3	FCS 439/439L Family & Community Services	3
CFDV 436 Parenting	3	FCS 441 Capstone in FCS	3
HED 477 Human Sexuality	3	HSCS 430 Research in HSCS	3
	12 hrs		11 hrs

Bachelor of Science Degree in Human Services and Consumer Sciences
 Family and Consumer Science (FCS)-Composite Track
 6 Year Degree Plan with Houston Community College Equivalent*- Total Credits: 123

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I-(ENGL 1301) *	3	ENG 132 Freshman English II-(ENGL 1302) *	3
MATH 133 College Algebra I-(MATH 1314) *	3	BIOL 143/143L Survey of Life Science-(BIOL 1408) *	4
HSCS 233 Seminar in HSCS	3	CFDV 233 Family Relationships-(SOC 2301) *	3
	9 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English-(ENGL 2328, 2332 or 2333) *	3	ART 131 Drawing and Composition I-(ARTS 1316) *	3
AD131/131L Introduction to Housing-(INDS 2313) *	3	GEOL 141 Intro to the Earth-(GEOL 1403) *	4
PSY 131 Gen Psychology or SOC 157 Intro to Sociology--(PSYC 2301 or SOC 1301) *	3	FN 233 Elementary Nutrition	3
	9 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
CFDV 234 Survey of Early Childhood Dev-(TECA 1354) *	3	CFDV 235/235L Interaction w/ Young Child-(CDEC 1319) *	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) *	3
SC 135 or 136 Business & Professional Communication or Public Address- (SPCH 1321 or SPCH 1315) *	3	FN 253/253L Meal Management-(CHEF 1301) *	3
	9 hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	3
CT 141/141L Basic Clothing Concepts-(FSD 1308) *	4	FCS 335 Principles of FCS	3
FCS 334 Career Opportunities in FCS	3	FCS 420 Independent Study in FCS	2
		CS 116 Intro to Computer Science I-(COS 1300) *	3
	10 hrs		11 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
CFDV 334 Pre-Adolescent Development	3	SPED 309 Survey of Exceptional Ed I	3
FCS 431 Aging and Health Needs	3	AD 435 Interior Space & Equipment Planning	3
FCS 435 Communication: Family & Marriage	3	FCS 432 Program Planning & Methodology	3
CT 243/243L Textiles I	4	HED 477 Human Sexuality	3
	13 hrs		12 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
FCS 434 Occupational Programs Public Policy	3	FCS 439/439L Family & Community Services	3
FCS 436 Family Resource Management	3	FCS 441 Capstone in FCS	3
FCS 438 Family and Consume Economics	3	HSCS 430 Research in HSCS	3
CFDV 436 Parenting	3		
	12 hrs		9 hrs

Bachelor of Science Degree in Human Services and Consumer Sciences
 Composite Family & Consumer Sciences Program with Certification
 4 Year Degree Plan with Houston Community College Equivalent* - Total Credits: 126

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I-(ENGL 1301)*	3	ENG 132 Freshman English II-(ENGL 1302)*	3
MATH 133 College Algebra I-(MATH 1314)*	3	BIOL 143/143L Survey of Life Science-(BIOL 1408)*	4
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
HSCS 233 Seminar in HSCS	3	ART 131 Drawing and Composition I-(ARTS 1316)*	3
CT 141/141L Basic Clothing Concepts-(FSHD 1308)*	4	CFDV 233 Family Relationships-(SOC 2301)*	3
	16 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English-(ENGL 2328, 2332 or 2333)*	3	SC 135 or 136 Business & Professional Communication or Public Address-(SPCH 1321 or SPCH 1315)*	3
AD131/131L Introduction to Housing-(INDS 2313)*	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology-(PSYC 2301 or SOC 1301)*	3
POLS 231 American Political Systems I-(GOVT 2301)*	3	POLS 232 American Political Systems II-(GOVT 2302)*	3
GEOL 141 Intro to the Earth-(GEOL 1403)*	4	CS 116 Intro to Computer Science I-(COSC 1300)*	3
FN 233 Elementary Nutrition	3	FN 253/253L Meal Management-(CHEF 1301)*	3
	16 hrs		15 hrs

Third Year			
Fifth Semester		Sixth Semester	
CFDV 234 Survey of Early Childhood Dev-(TECA 1354)*	3	SPED 309 Survey of Exceptional Education I	3
CFDV 436 Parenting	3	FCS 432 Program Planning & Methodology	3
EDCI 310 Principles & Foundation of Ed	3	AD 435 Interior Space & Equipment Planning	3
EDCI 328 Psy of Learning, Growth & Dev	3	EDCI 339 Classroom Management	3
FCS 334 Career Opportunities in FCS	3	EDCI 340 Instructional Technology II	3
HED 477 Human Sexuality	3		
	18 hrs		15 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
FCS 431 Aging and Health Needs	3	FCS 439/439L Family & Community Services	3
FCS 434 Occupational Programs Public Policy	3	FCS 441 Capstone in FCS	3
RDG 400 Middle School Reading	3	EDCI 464 Direct Student Teaching in H.S.	6
RDG 402 Informal Diagnosis			
FCS 436 Family Resource Management	3		
FCS 438 Family and Consumer Economics	3		
	3		
	18 hrs		12 hrs

Bachelor of Science Degree in Human Services and Consumer Sciences
 Composite Family & Consumer Sciences Program with Certification
 5 Year Degree Plan with Houston Community College Equivalent - Total Credits: 126

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I-(ENGL 1301) *	3	ENG 132 Freshman English II-(ENGL 1302) *	3
MATH 133 College Algebra I-(MATH 1314) *	3	BIOL 143/143L Survey of Life Science-(BIOL 1408) *	4
AD131/131L Introduction to Housing-(INDS 2313) *	3	ART 131 Drawing and Composition I-(ARTS 1316) *	3
HSCS 233 Seminar in HSCS	3	CFDV 233 Family Relationships-(SOC 2301) *	3
	12 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English-(ENGL 2328, 2332 or 2333) *	3	SC 135 or 136 Business & Professional Communication or Public Address-(SPCH 1321 or SPCH 1315)*	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) *	3
CT 141/141L Basic Clothing Concepts-(FSDH 1308) *	4	GEOL 141 Intro to the Earth-(GEOL 1403) *	4
CFDV 234 Survey of Early Childhood Dev-(TECA 1354) *	3	FN 233 Elementary Nutrition	3
	13 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	3
CS 116 Intro to Computer Science I-(COSC 1300) *	3	FN 253/253L Meal Management-(CHEF 1301) *	3
PSY 131 Gen Psychology or SOC 157 Intro to Sociology-(PSYC 2301 or SOC 1301) *	3	FCS 432 Program Planning & Methodology	3
FCS 334 Career Opportunities in FCS	3	SPED 309 Survey of Exceptional Education I	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
FCS 431 Aging and Health Needs	3	HED 477 Human Sexuality	3
CFDV 436 Parenting	3	AD 435 Interior Space & Equipment Planning	3
EDCI 310 Principles & Foundation of Ed	3	EDCI 339 Classroom Management	3
EDCI 328 Psy of Learning, Growth & Dev	3	EDCI 340 Instructional Technology II	3
FCS 436 Family Resource Management	3		
	15 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
FCS 434 Occupational Programs Public Policy	3	FCS 439/439L Family & Community Services	3
FCS 438 Family and Consumer Economics	3	FCS 441 Capstone in FCS	3
RDG 400 Middle School Reading	3	EDCI 464 Direct Student Teaching in H.S.	6
RDG 402 Informal Diagnosis	3		
	12 hrs		12 hrs

Bachelor of Science Degree in Human Services and Consumer Sciences

Composite Family & Consumer Sciences Program with Certification
6 Year Degree Plan with Houston Community College Equivalent - Total Credits: 126

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I-(ENGL 1301)*	3	ENG 132 Freshman English II-(ENGL 1302) *	3
MATH 133 College Algebra I-(MATH 1314) *	3	BIOL 143/143L Survey of Life Science-(BIOL 1408) *	4
HSCS 233 Seminar in HSCS	3	CFDV 233 Family Relationships-(SOC 2301) *	3
	9 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English-(ENGL 2328, 2332 or 2333) *	3	SC 135 or 136 Business & Professional Communication or Public Address-(SPCH 1321 or SPCH 1315) *	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) *	3
AD131/131L Introduction to Housing-(INDS 2313) *	3	ART 131 Drawing and Composition I-(ARTS 1316) *	3
	9 hrs		9 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	3
CT 141/141L Basic Clothing Concepts-(FSD 1308) *	4	GEOL 141 Intro to the Earth-(GEOL 1403) *	4
CFDV 234 Survey of Early Childhood Dev-(TECA 1354) *	3	FN 233 Elementary Nutrition	3
	10 hrs		10 hrs

Fourth Year			
Seventh Semester		Eight Semester	
FCS 334 Career Opportunities in FCS	3	FN 253/253L Meal Management-(CHEF 1301)*	3
FCS 431 Aging and Health Needs	3	FCS 432 Program Planning & Methodology	3
CS 116 Intro to Computer Science I-(COS 1300) *	3	SPED 309 Survey of Exceptional Education I	3
RDG 400 Middle School Reading	3	HED 477 Human Sexuality	3
RDG 402 Informal Diagnosis	3		
	15 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
CFDV 436 Parenting	3	AD 435 Interior Space & Equipment Planning	3
EDCI 310 Principles & Foundation of Ed	3	EDCI 339 Classroom Management	3
EDCI 328 Psy of Learning, Growth & Dev	3	EDCI 340 Instructional Technology II	3
FCS 436 Family Resource Management	3	FCS 439/439L Family & Community Services	3
	12 hrs		12 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
FCS 434 Occupational Programs Public Policy	3	FCS 441 Capstone in FCS	3
FCS 438 Family and Consumer Economics	3	EDCI 464 Direct Student Teaching in H.S.	6
RDG 400 Middle School Reading	3		
RDG 402 Informal Diagnosis	3		
	12 hrs		9 hrs

Bachelor of Science Degree in Human Services and Consumer Sciences

Human Development & Family Studies Certification Program
4 Year Degree Plan with Houston Community College Equivalent*- Total Credits: 125

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I-(ENGL 1301)*	3	ENG 132 Freshman English II-(ENGL 1302) *	3
MATH 133 College Algebra I-(MATH 1314) *	3	BIOL 143/143L Survey of Life Science-(BIOL 1408) *	4
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
HSCS 233 Seminar in HSCS	3	ART 131 Drawing and Composition I-ARTS 1316) *	3
CT 141/141L Basic Clothing Concepts-(FSDH 1308) *	4	CFDV 233 Family Relationships-(SOC 2301) *	3
	16 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English-(ENGL 2328, 2332 or 2333) *	3	SC 135 or 136 Business & Professional Communication or Public Address-(SPCH 1321 or SPCH 1315) *	3
AD131/131L Introduction to Housing-(INDS 2313) *	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology-(PSYC 2301 or SOC 1301) *	3
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	3
GEOL 141 Intro to the Earth-(GEOL 1403) *	4	CS 116 Intro to Computer Science I-(COSC 1300) *	3
FN 233 Elementary Nutrition-(TECA 1318) *	3	FN 253/253L Meal Management-(CHEF 1301) *	3
		CFDV 235/235L Interaction w/ Young Child-(CDEC 1319) *	3
	16 hrs		18 hrs

Third Year			
Fifth Semester		Sixth Semester	
CFDV 234 Survey of Early Childhood Dev-(TECA 1354) *	3	CFDV 433 Multicultural Strategies	3
CFDV 334 Pre-Adolescent Development	3	FCS 420 Independent Study in FCS	3
CFDV 436 Parenting	3	FCS 432 Program Planning & Methodology	3
EDCI 310 Principles & Foundation of Ed	3	EDCI 339 Classroom Management	3
EDCI 328 Psy of Learning, Growth & Dev	3	EDCI 340 Instructional Technology II	3
	16 hrs		17 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
FCS 431 Aging and Health Needs	3		
FCS 434 Occupational Programs Public Policy	3	FCS 439/439L Family & Community Services	3
FCS 435 Communication: Family & Marriage	3	FCS 440 Survey of Human Development Over the Lifespan	3
FCS 436 Family Resource Management	3	EDCI 464 Direct Student Teaching in H.S.	6
RDG 400 Middle School Reading	3		
RDG 402 Informal Diagnosis	3		
	18 hrs		12 hrs

Bachelor of Science Degree in Human Services and Consumer Sciences

Human Development & Family Studies Certification Program
5 Year Degree Plan with Houston Community College Equivalent*- Total Credits: 125

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I-(ENGL 1301)*	3	ENG 132 Freshman English II-(ENGL 1302) *	3
MATH 133 College Algebra I-(MATH 1314) *	3	BIOL 143/143L Survey of Life Science-(BIOL 1408) *	4
AD131/131L Introduction to Housing-(INDS 2313) *	3	ART 131 Drawing and Composition I-(ARTS 1316) *	3
HSCS 233 Seminar in HSCS	3	CFDV 233 Family Relationships-(SOC 2301) *	3
	12 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English-(ENGL 2328, 2332 or 2333) *	3	SC 135 or 136 Business & Professional Communication or Public Address-(SPCH 1321 or SPCH 1315) *	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) *	3
CT 141/141L Basic Clothing Concepts-(FSDH 1308) *	3	GEOL 141 Intro to the Earth-(GEOL 1403) *	4
CFDV 234 Survey of Early Childhood Dev-(TECA 1354) *	3	FN 233 Elementary Nutrition-(TECA 1318) *	3
	12 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	3
CS 116 Intro to Computer Science I-(COSC 1300) *	3	FN 253/253L Meal Management-(CHEF 1301) *	3
PSY 131 Gen Psychology or SOC 157 Intro to Sociology-(PSYC 2301 or SOC 1301) *	3	CFDV 235/235L Interaction w/ Young Child-(CDEC 1319) *	3
CFDV 334 Pre-Adolescent Development	3	FCS 432 Program Planning & Methodology	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
FCS 431 Aging and Health Needs	3	CFDV 433 Multicultural Strategies	3
CFDV 436 Parenting	3	FCS 420 Independent Study in FCS	2
EDCI 310 Principles & Foundation of Ed	3	EDCI 339 Classroom Management	3
EDCI 328 Psy of Learning, Growth & Dev	3	EDCI 340 Instructional Technology II	3
	12 hrs		11 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
FCS 434 Occupational Programs Public Policy	3	FCS 439/439L Family & Community Services	3
FSC 435 Communication: Family & Marriage	3	FCS 440 Survey of Human Development Over the Lifespan	3
FCS 436 Family Resource Management	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

Bachelor of Science Degree in Human Services and Consumer Sciences
 Human Development & Family Studies Certification Program
 6 Year Degree Plan with Houston Community College Equivalent*- Total Credits: 125

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I-(ENGL 1301) *	3	ENG 132 Freshman English II-(ENGL 1302)	3
MATH 133 College Algebra I-(MATH 1314) *	3	BIOL 143/143L Survey of Life Science-(BIOL 1408) *	4
HSCS 233 Seminar in HSCS	3	CFDV 233 Family Relationships-(SOC 2301) *	3
9 hrs		10 hrs	

Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English-(ENGL 2328, 2332 or 2333) *	3	SC 135 or 136 Business & Professional Communication or Public Address-(SPCH 1321 or SPCH 1315) *	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
AD131/131L Introduction to Housing-(INDS 2313) *	3	ART 131 Drawing and Composition I-(ARTS 1316) *	3
9 hrs		9 hrs	

Third Year			
Fifth Semester		Sixth Semester	
POLS 231 American Political Systems I-(GOVT 2301) *	3	POLS 232 American Political Systems II-(GOVT 2302) *	3
CT 141/141L Basic Clothing Concepts-(FSDH 1308) *	4	GEOL 141 Intro to the Earth-(GEOL 1403) *	4
CFDV 234 Survey of Early Childhood Dev-(TECA 1354) *	3	FN 233 Elementary Nutrition-(TECA 1318) *	3
10 hrs		10 hrs	

Fourth Year			
Seventh Semester		Eighth Semester	
FCS 431 Aging and Health Needs	3	CFDV 433 Multicultural Strategies	3
CS 116 Intro to Computer Science I-(COSC 1300) *	3	FN 253/253L Meal Management	3
PSY 131 Gen Psychology or SOC 157 Intro to Sociology-(PSYC 2301 or SOC 1301) *	3	CFDV 235/235L Interaction w/ Young Child-(CDEC 1319) *	3
CFDV 334 Pre-Adolescent Development	3	FCS 432 Program Planning & Methodology	3
12 hrs		11 hrs	

Fifth Year			
Ninth Semester		Tenth Semester	
CFDV 436 Parenting	3	FCS 420 Independent Study in FCS	2
EDCI 310 Principles & Foundation of Ed	3	EDCI 339 Classroom Management	3
EDCI 328 Psy of Learning, Growth & Dev	3	EDCI 340 Instructional Technology II	3
FCS 434 Occupational Programs Public Policy	3	FCS 439/439L Family & Community Services	3
12 hrs		11 hrs	

Sixth Year			
Eleventh Semester		Twelfth Semester	
FSC 435 Communication: Family & Marriage	3	FCS 440 Survey of Human Development Over the Lifespan	3
FCS 436 Family Resource Management	3	EDCI 464 Direct Student Teaching in H.S.	6
RDG 400 Middle School Reading	3		
RDG 402 Informal Diagnosis	3		
12 hrs		9 hrs	

DEPARTMENT OF PSYCHOLOGY

As part of the overall curricular offerings at Texas Southern University, the Department of Psychology offers courses in both Psychology (PSY) and Philosophy (PHIL) as well as **one undergraduate degree, the Bachelor of Arts (B.A.) in Psychology, and one graduate degree, the Master of Arts (M.A.) in Psychology. A minor in Psychology is also offered for students pursuing undergraduate degrees or majors in other academic units at the University.** Members of the Department are housed on the Third Floor of the Mickey Leland/Barbara Jordan Building.

Students interested in the Master of Arts Degree in Psychology are referred to the Graduate School Bulletin of Texas Southern University for detailed information.

In formulating the mission of the Department, its members have focused on the desired characteristics of a productive individual who has assumed a role in society upon completion of a liberal education. Such an individual thinks without prejudices, creates without destruction, cares without obsession, conceptualizes without distortion, knows and understands. Thus, the primary mission of the Department of Psychology is to provide students with a thorough knowledge and understanding of the theoretical, practical, and philosophical factors associated with the study of human behavior. In fulfilling this mission, five major objectives may be identified: (1) to develop in undergraduate students a better understanding of themselves, their work, and their fellow beings through a study of factors contributing to personal growth and effective living; (2) to establish tolerance which comes from understanding the principles of human behavior and individual differences; (3) to introduce undergraduate students to significant philosophical problems such as the relation between thought and language, mind and body, knowledge and belief; (4) to develop students' abilities to analyze critically their own theoretical assumptions and beliefs, as well as those offered in their studies; and (5) to lay a foundation for graduate and professional study.

Students wishing to pursue either the B.A. in Psychology or an undergraduate minor in Psychology, must satisfy Texas Academic Skills Program (TASP) requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), and must petition the Department for admission by completing the appropriate form available through the Department Office. Students applying for either major or minor status must present evidence of having an overall GPA of 2.25 or better, must submit official copies of their transcripts, must have completed PSY 131 (General Psychology) as a prerequisite to all other Psychology courses with a grade of "B" or better, and must have their petitions reviewed by the Departmental Admissions Committee. Students are notified of the decision of the Committee approximately thirty (30) days after submission of their petitions. 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 address and telephone number up to graduation.

Requirements for the Bachelor of Arts in Psychology are specified below. **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 unacceptable in these courses.) 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 120 semester credit hours satisfactorily completed. Prior to graduation, candidates for the B.A. degree in Psychology must complete an exit examination in the Department.**

For a minor in Psychology, 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.

Summarizing the above, students must gain admission to the University; must satisfy ASSET requirements; must fulfill prerequisites noted above; and must apply to the Department as either a Psychology major or minor once ASSET requirements have been fulfilled. Acceptance to major or minor status is subject to the decision of the Departmental Admissions Committee. Once admitted, each student is assigned an official advisor and provided with extensive advisement before progression toward the completion of degree or minor requirements occurs. Seniors are required to pass an exit examination administered by the Department. For further information regarding the Psychology major or minor requirements, contact the Department Office at (713)-313-7344.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Belcher, Leon H. Professor B.S., M.A., University of Arkansas Ph.D., University of Northern Colorado</p>	<p>Qualls, Albert L. Instructor B.B.A., University of Oklahoma M.A., Texas Southern University</p>
<p>Braud, Lendell W. Professor B.S., M.A., Ph.D., University of Houston-University Park</p>	<p>Rouce, Sandra D. Associate Professor B.A., University of Oklahoma M.A., Ph.D., George Peabody College</p>
<p>Clay, William A. L., III Assistant Professor B.A., Rutgers University M.A., Howard University Ph.D., Texas A&M University</p>	<p>Vyas, Premila H. Professor B.A., Bombay University M.A., Ed.D., University of Houston-University Park</p>
<p>Freeman, Thomas F. Professor B.A., Virginia Union University B.D., Andover-Newton Theological School Ph.D., University of Chicago</p>	<p>Woods, Tommy Assistant Professor B.A., Texas Southern University M.A., Psy.D., Adler School of Professional Psychology</p>
<p>Geyen, Dashiell J. Visiting Assistant Professor B.S., Lamar University M.P.H., University of Texas at Houston M.A., Ed.D., Texas Southern University</p>	

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.

PSYCHOLOGY COURSES

- PSY 131** **General Psychology** (3)
Foundation for the understanding of basic psychological principles underlying human behavior. A prerequisite to all other Psychology courses. Three hours of lecture per week. **Listed as PSYC 2301 in the Texas Common Course Numbering System.**
- PSY 231** **Child Psychology** (3)
Special study of the mental and emotional development from birth to middle childhood. Development considered from a life long process viewpoint. Three hours of lecture per week. Prerequisites: PSY 131. **Listed as PSYC 2308 in the Texas Common Course Numbering System.**
- PSY 234** **Elementary Statistics** (3)
Basic statistics course for students in Psychology and in the College of Education. Limited practice in the use of calculations and computational devices included. Three hours of lecture per week. Prerequisite: MATH 133. Formerly PSY 436.
- PSY 235** **Educational Psychology** (3)
Study of the relationship between psychology and education and its usefulness in the normal processes of growth and development. Three hours of lecture per week. Prerequisite: PSY 131.
- PSY 331** **Psychology of Learning** (3)
Study of classical and instrumental conditioning, verbal learning, and theories of learning. Motivational factors also covered. Four hours of lecture per week. Prerequisite: PSY 131
- PSY 332** **Vocational and Industrial Psychology** (3)
Study of the basic factors in vocational selection, methods of estimating aptitude, measurement of special abilities, problem analysis and specifications. Three hours of lecture per week. Prerequisite: PSY 131.
- PSY 333** **Adolescent Psychology** (3)
Social and psychological bases of adolescent behavior. Three hours of lecture per week. Prerequisites: PSY 131 and PSY 231.
- PSY 334** **Experimental Psychology** (3)
Study of the experimental analysis of behavior and experimental design. Emphasis placed on the application of behavior principles to non-laboratory settings. Two hours of lecture and two hours of laboratory per week. Prerequisites: PSY 131 and consent of the instructor.
- PSY 336** **Psychological Testing and Measurement** (3)
Emphasis on the role and function of informal and standardized tests in the mental health and educational settings. The use of group and individual tests in the assessment of the cognitive, affective and psychomotor domains will be considered. Prerequisite: Statistics course.

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 141 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

Bachelor of Arts Degree in Psychology
5 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
HED 233	History & Principles of Health	2	GEOL/PHYS 141 Intro to Earth/Prin of Phys Sci	4
PHY. ED. (100-125)		1	PHY. ED. (100-125)	1
		12 hrs	14 hrs	

Second Year				
Third Semester		Fourth Semester		
PSY 234	Elementary Statistics	3	PSY 235 Educational Psychology	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
ENG 2xx	Upper level English	3	BIOL 143 Survey of Life Science	4
		12 hrs	13 hrs	

Third Year				
Fifth Semester		Sixth Semester		
PSY 331	Psychology of Learning	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
POLS 231	American Political Systems I	3	POLS 232 American Political Systems II	3
			MINOR	3
		9 hrs	12 hrs	

Fourth Year				
Seventh Semester		Eighth Semester		
PSY 432	Social Psychology	3	PSY 435 Psychology of Personality	3
PSY ELECTIVE		3	PSY ELECTIVE	3
MINOR		3	MINOR	3
PHIL 231	Introduction to Philosophy	3	MUSI 239 Fine Arts in Daily Living	3
		12 hrs	12 hrs	

Fifth Year				
Ninth Semester		Tenth Semester		
PSY 433	Abnormal Psychology	3	PSY 436 Biopsychology	3
SC 135 or 136	Business & Professional Communication or Public Address	3	SOC 221 Sociology of Human Sexuality	3
MINOR		3	MINOR	3
MINOR		3	MINOR	3
		12 hrs	12 hrs	

Bachelor of Arts Degree in Psychology
6 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	
PHY. ED. (100-125)		1	PHY. ED. (100-125)	1	
		10 hrs			10 hrs

Second Year					
Third Semester		Fourth Semester			
PSY 234	Elementary Statistics	3	PSY 235 Educational Psychology	3	
CS 116	Introduction to Computer Science I	3	CS 117 Introduction to Computer Science II	3	
GEOL/PHYS 141	Intro to Earth /Prin of Phys Sci	4	BIOL 143 Survey of Life Science	4	
		10 hrs			10 hrs

Third Year					
Fifth Semester		Sixth Semester			
PSY 331	Psychology of Learning	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	
POLS 231	American Political Systems I	3	POLS 232 American Political Systems II	3	
			HED 233 History & Principles of Health	2	
		9 hrs			11 hrs

Fourth Year					
Seventh Semester		Eighth Semester			
PSY 433	Abnormal Psychology	3	PSY 435 Psychology of Personality	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	
MINOR		3	MINOR	3	
			MUSI 239 Fine Arts in Daily Living	3	
		9 hrs			12 hrs

Fifth Year					
Ninth Semester		Tenth Semester			
PSY 436	Biopsychology	3	PSY 432 Social Psychology	3	
ENG 2xx	Upper level English	3	PSY ELECTIVE	3	
SOC 221	Sociology of Human Sexuality or	3	SC 135 or 136 Business & Professional Communication or Public Address	3	
SOC 238	Introduction to Anthropology		MINOR	3	
		9 hrs			12 hrs

Sixth Year					
Eleventh Semester		Twelfth Semester			
PHIL 231	Introduction to Philosophy	3	PSY ELECTIVE	3	
MINOR		3	MINOR	3	
MINOR		3	MINOR	3	
		9 hrs			9 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 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 ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), and must petition the Department for admission as ASSET 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. 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 both courses. A grade of "D-" will not be accepted for credit.

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 2.30 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. 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. 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. Beyond the Block I and Block II curriculum structure, other upper level requirements include three semester credit hours in each of the following specialty areas: research, theory, and statistics. **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 ASSET 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>Beasley, Beatrice Associate Professor LMSW* B.A., Prairie View A & M University M.S.W., University of Houston Ph.D., University of Pittsburgh</p>	<p>Parker, Byron Assistant Professor LMSW* B.A., Texas Southern University M.S.W., University of Houston</p>
<p>Boutté-Queen, Needha M. Associate Professor Department Chair B.A., Texas Southern University M.A., University of Chicago Ph.D., University of Houston</p>	<p>White, Sara Assistant Professor LMSW-AP, ACSW* B.A., Miami University M.A., University of Chicago</p>
<p>Burrell, Deanna Associate Professor LMSW, ACSW* B.A., Texas Southern University M.S.W., University of California at Berkeley Dr.P.H., University of Texas at Houston</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	Social Welfare Policy	(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	Generalist Practice I	(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. Prerequisites: SOCW 340, SOCW 346, and SOCW 347. Corequisite: Enrollment in Block I.	
SOCW 440L	Generalist Practice Laboratory I	(2)
	Practice laboratory to accompany SOCW 440. Two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block I.	
SOCW 441	Generalist Practice II	(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	Generalist Practice Laboratory II	(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	Seminar on Dying and Death	(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	Theories in Social Work Practice	(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	Field Instruction I	(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	Field Instruction Seminar I	(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	Field Instruction II	(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	Field Instruction Seminar II	(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	Independent Study in Social Welfare	(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	Topical Seminar in Social Welfare	(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	Social Work Practice Research and Evaluation	(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.	

Bachelor of Arts Degree in Social Work
Four Year Degree Plan - Total Credits: 125

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 (SOCW 145)	3	Computer Science 116	3
		Physical Ed (2 PE classes)	2
	17 hrs		17 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	3	Economics 231	3
		Health Education 233	2
	15 hrs		17 hrs

Third Year			
Fifth Semester		Sixth Semester	
Psychology (elective)	3	SOCW Elective	3
Elective (Must be 300-400 level)	3	Electives (Must be 300-400 level)	3
Seminar in Helping (SOCW 340)	3	Electives (Must be 300-400 level)	3
Statistics (PSY, SOC, BUS, PA, MTH)	3	Social Research (SOC 359)	3
Human Behavior in Soc Env I (SOCW346)	3	Human Behavior in Soc Env II (SOCW 347)	3
	15 hrs		15 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
Generalist Practice I (SOCW 440)	3	Generalist Practice II (SOCW 441)	3
Generalist Practice Lab I (SOCW 440L)	2	Generalist Practice Lab II (SOCW 441L)	2
Theories of Soc Practice (SOCW 443)	3	Social Welfare Policy (SOCW 439)	3
Field Instruction (SOCW 444)	4	Field Instruction II (SOCW 446)	4
Field Instruction Seminar (SOCW 444S)	1	Field Instruction II Seminar	1
Social Work Research & Eval (SOCW 450)	3		
	16 hrs		13 hrs

Bachelor of Arts Degree in Social Work
Five Year Degree Plan - Total Credits: 125

First Year			
First Semester		Second Semester	
Math 133	3	Speech 135 or 136	3
English 131	3	English 132	3
Sociology 157	3	Sociology 158	3
Intro Social Welfare (SOCW 145)	3	Computer Science 116	3
	12 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
Biology 131	3	Biology 132	3
Biology Lab 111	1	Biology 112	1
Physical Education	1	Speech 232, 233, 332, 333, ..., etc.	3
Eng 230, 231, 235, 243, 244, ..., etc.	3	American History 232	3
American History 231	3	Health Education 233	2
Physical Education	1		
	12 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
Political Science 231	3	Political Science 232	3
Music 239	3	Psychology 131	3
Social Welfare Legislation	3	Economics 231	3
*Elective (Must be 300-400 level)	3	SOCW Elective	3
	12 hrs		12 hrs

Fourth year			
Seventh Semester		Eighth Semester	
Psychology (elective)	3	SOCW Elective	3
Human Behavior in Soc Env (SOCW 346)	3	Human Behavior in Soc Env II (SOCW 347)	3
Statistics (PSY, SOC, BUS)	3	Social Research (SOC 359)	3
Seminar in Helping (SOCW 340)	3	*Electives (Must be 300-400 level)	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
Generalist Practice I (SOCW 440)	3	Generalist Practice II (SOCW 441)	3
Generalist Practice Lab I (SOCW 440L)	2	Generalist Practice Lab II (SOCW 441L)	2
Theories of Soc Practice (SOCW 443)	3	Social Welfare Policy (SOCW 439)	3
Field Instruction (SOCW 444)	4	Field Instruction II (SOCW 446)	4
Field Instruction Seminar (SOCW 444S)	1	Field Instruction II Seminar (SOCW 446S)	1
Social Work Research & Eval (SOCW 446S)	3		
	16 hrs		13 hrs

Bachelor of Arts Degree in Social Work
Six Year Degree Plan - Total Credits: 125

First year			
First Semester		Second Semester	
Math 133	3	Speech 135 or 136	3
English 131	3	English 132	3
Sociology 157	3	Sociology 158	3
Physical Education	1	Physical Education	1
	10 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
Intro Social Welfare (SOCW 145)	3	Biology 132	3
Biology 131	3	Biology 112	1
Biology Lab 111	1	Eng 230, 231, 235, 243, 244, ..., etc.	3
Psychology 131	3	Computer Science 116	3
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
Social Welfare Legislation (SOCW 246)	3	American History 232	3
Music 239	3	Economics 231	3
American History 231	3	Speech 232, 233, 332, 333, ..., etc.	3
Health Education 233	2		
	11 hrs		9 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
SOCW Elective	3	Psychology Elective	3
Political Science 231	3	Elective (Must be 300-400 level)	3
Political Science 232	3	Elective (Must be 300-400 level)	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
Human Behavior in Soc Env I (SOCW 346)	3	SOCW Elective	3
Seminar in Helping (SOCW 340)	3	Social Research (SOC 359)	3
Statistics (PSY, SOC, BUS, PA, MATH)	3	Human Behavior in Soc Env II (SOCW 347)	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
Generalist Practice I (SOCW 440)	3	Generalist Practice II (SOCW 441)	3
Generalist Practice Lab I (SOCW 440L)	2	Generalist Practice Lab II (SOCW 441L)	2
Theories of Soc Practice (SOCW 443)	3	Social Welfare Policy (SOCW 439)	3
Field Instruction (SOCW 444)	4	Field Instruction II (SOCW 446)	4
Field Instruction Seminar (SOCW 444S)	1	Field Instruction II Seminar (SOCW 446S)	1
Soc Work Research & Eval (SOCW 446S)	3		
	16 hrs		13 hrs

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, utilize technology in the acquisition and analysis of data and have opportunities to participate in service learning activities in the in the Houston metropolitan community.

Upon completion of 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 and give examples of these differences; (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) show how theories reflect the historical context of times and cultures in which they were developed; (d) describe and apply some basic theories or 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 in an area of choice 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 show an understanding and application of principles of ethical practice as a sociologist.
5. In depth 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) show 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 on file. Students can be assured of confidentiality by completing, and updating when needed, a Student Information Data Form that is available in the office of the Department of Sociology located in the Barbara Jordan and Mickey Leland School of Public Affairs building.

Students interested in seeking the undergraduate degree (B.A. in Sociology) or the Sociology minor must first gain admission to the University, satisfy ASSET requirements, satisfy deficiencies assessed at the time of admission through the General University Academic Center (GUAC), and petition the Department for admission as ASSET requirements are completed. Students must schedule at least two academic conferences a 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, 21 semester credit hours are required, exclusive of freshman level courses SOC 157 and SOC 158, through enrollment 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 pursuing the minor in Sociology, while seeking 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 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; have accumulated the equivalent of an overall grade point average of 3.0 by a four point scale, and shall rank in the top 35% of their class in general scholarship; and must have completed at least four regular courses in sociology prior to initiation. Graduate students need to complete at least one-half year of course work in sociology while maintaining at least a 3.0 grade point average. The Honor Society’s focus promotes the scientific study of society through research and service to mankind.

In summary, interested students must first gain admission to the University; meet their ASSET responsibility; fulfill prerequisites referenced above; and petition the Department for admission. To ensure proper progression toward graduation, students are provided comprehensive advisement by a Sociology Faculty member, 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>Cox, Betty J. Associate Professor B.A., M.A., Texas Southern University Ed.D., University of Houston</p>	<p>Mosley, E. Dianne Associate Professor B.A., University of Texas at Austin M.A., Texas Southern University Ph.D., Texas Woman's University</p>
<p>Jackson, Kenneth Associate Professor B.A., M.A., Texas Southern University Ph.D., University of Chicago</p>	<p>Swan, Llewellyn Alex Professor B.S., Oakwood College M.A., Atlanta University M.S., Ph.D., University of California at Berkeley</p>
<p>James, Bonnie L. Assistant Professor B.A., M.A., Texas Southern University</p>	<p>Wright II, Earl Associate Professor B.A., M.A., University of Memphis Ph.D., University of Nebraska</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. Prerequisite: SOC 157.
- SOC 335** **Race and Ethnicity** (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 Sociology** (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. Prerequisite: SOC 322.
- SOC 344** **Social Stratification** (3)
Examination of the various types of social stratification and their effects on human behavior and life chances. Three hours of lecture per week.

SOC 351	Criminology	(3)
	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.	
SOC 354	Sociological Statistics	(3)
	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.	
SOC 357	Sociological Theory	(3)
	Study of selected social theories and their major contributions to the field of Sociology. Three hours of lecture per week.	
SOC 359	Sociological Research	(3)
	Study of quantitative and qualitative research techniques for data collection and analysis. Two hours of lecture and one hour of laboratory per week.	
SOC 435	Juvenile Delinquency and Juvenile Justice	(3)
	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.	
SOC 438	Collective Behavior and Social Movements	(3)
	Study of human societies and culture. Emphasis placed on ethnographic anthropological research. Three hours of lecture per week. Prerequisite: SOC 238.	
SOC 450	Seminar in Methodology	(3)
	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.	
SOC 452	Sociology of Work	(3)
	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.	
SOC 456	Independent Study	(3)
	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. Prerequisites: SOC 357 and SOC 359.	
SOC 457	Modern Sociological Theory	(3)
	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.	
SOC 458	Applications of Sociology	(3)
	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.	
SOC 460	Women in Society	(3)
	Examination of changing gender roles and the effects on the social and cultural status of women. Three hours of lecture per week.	

Bachelor of Arts Degree in Sociology
4 Year Degree Plan - Total Credits: 124

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
TOTAL HOURS	16	TOTAL HOURS	16

Second Year			
Third Semester		Fourth Semester	
Sociology 254 Black Perspectives in Sociology	3	Sociology 238 Introduction to Anthropology	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	Sociology 141 Texas: A Multicultural State	3
		Sociology 221 Human Sexuality or	3
		Sociology 257 School Sociology	
TOTAL HOURS	14	TOTAL HOURS	18

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
History 231 Social and Political History of the United States to 1877	3	Sociology: Any 300/400 Level	3
Music 239 Fine Arts in Daily Living	3	History 232 Social and Political History of the United States Since 1877	3
Minor	3	Minor	3
Minor	3	Minor	3
TOTAL HOURS	18	TOTAL HOURS	18

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
TOTAL HOURS	12	TOTAL HOURS	12

Bachelor of Arts Degree in Sociology
5 Year Degree Plan - Total Credits: 124

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
Computer Science 116 Introduction to Computer Science I	3	Mathematics 133 College Algebra	3
TOTAL HOURS	13	TOTAL HOURS	12

Second Year			
Third Semester		Fourth Semester	
Sociology 254 Black Perspectives in Sociology	3	Sociology 238 Introduction to Anthropology	3
English: Any 200 Level	3	Sociology 221 Human Sexuality or Sociology 257 School Sociology	3
Geology 141 Introduction to the Earth	4	Speech 135 Business and Professional Communication or Speech 136 Public Address	3
Mathematics 134 Plane Trigonometry	3	Minor	3
TOTAL HOURS	13	TOTAL HOURS	12

Third Year			
Fifth Semester		Sixth Semester	
Sociology 141 Texas: A Multicultural State	3	Economics 231 Principles of Economics I	3
Sociology: 300 or 400 Level	3	Political Science 232 American Political Systems II	3
English: Any 200 Level	3	Minor	3
Political Science 231 American Political Systems I	3	Minor	3
Health 233 History and Principles of Health	2		
TOTAL HOURS	14	TOTAL HOURS	12

Fourth Year			
Seventh Semester		Eighth Semester	
Sociology 354 Sociological Statistics	3	Sociology 359 Sociological Research	3
Sociology 357 Sociological Theory	3	Sociology 457 Modern Sociological Theory	3
Elective	3	History 231 Social and Political History of the United States To 1877	3
Minor	3	Music 239 Fine Arts in Daily Living	3
TOTAL HOURS	12	TOTAL HOURS	12

Fifth Year			
Ninth Semester		Tenth Semester	
Sociology 450 Seminar in Methodology	3	Sociology 458 Applications in Sociology	3
History 232 Social and Political History of the United States Since 1877	3	Sociology: 300 or 400 Level	3
Minor	3	Elective	3
Minor	3	Minor	3
TOTAL HOURS	12	TOTAL HOURS	12

Bachelor of Arts Degree in Sociology
6 Year Degree Plan - Total Credits: 124

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 116 Introduction to Computer Science I	3
TOTAL HOURS	10	TOTAL HOURS	9

Second Year			
Third Semester		Fourth Semester	
Computer Science 117 Introduction to Computer Science II	3	Economics 231 Principles of Economics I	3
English: Any 200 Level	3	Mathematics 134 Plane Trigonometry	3
Geology 141 Introduction to the Earth	4	Political Science 231 American Political Systems I	3
Mathematics 133 College Algebra	3		
TOTAL HOURS	13	TOTAL HOURS	9

Third Year			
Fifth Semester		Sixth Semester	
Sociology 254 Black Perspectives in Sociology	3	Sociology 238 Introduction to Anthropology	3
Health 233 History and Principles of Health	2	Sociology 221 Human Sexuality or Sociology 257 School Sociology	3
English: Any 200 Level	3	Speech 135 Business and Professional Communication or Speech 136 Public Address	3
Political Science 232 American Political Systems II	3		
TOTAL HOURS	11	TOTAL HOURS	9

Fourth Year			
Seventh Semester		Eighth Semester	
Sociology 354 Sociological Statistics	3	Sociology 141 Texas: A Multicultural State	3
Sociology 357 Sociological Theory	3	History 231 Social and Political History of the United States To 1877	3
Minor	3	Music 239 Fine Arts in Daily Living	3
Minor	3		
TOTAL HOURS	12	TOTAL HOURS	9

Fifth Year			
Ninth Semester		Tenth Semester	
Sociology: 300 or 400 level	3	Sociology 359 Sociological Research	3
History 232 Social and Political History of the United States Since 1877	3	Sociology 457 Modern Sociological Theory	3
Minor	3	Electives	3
Minor	3	Electives	3
TOTAL HOURS	12	TOTAL HOURS	12

Sixth Year			
Eleventh Semester		Twelfth Semester	
Sociology 450 Seminar in Methodology	3	Sociology 458 Applications in Sociology	3
Minor	3	Sociology: 300 or 400 Level	3
Minor	3		
Minor	3		
TOTAL HOURS	12	TOTAL HOURS	6



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 that includes courses in Administration of Justice (AJ), Political Science (POLS), Public Affairs (PA), and Military Science (MSCI), as well as **three undergraduate degrees and five graduate degrees. At the undergraduate level, the Bachelor of Science (B.S.) in Public Affairs, the Bachelor of Science (B.S.) in Administration of Justice, and the Bachelor of Arts (B.A.) in Political Science are offered. At the graduate level, the Master of Public Administration, Master of Administration of Justice, Doctor of Philosophy in Administration of Justice, Master of Urban Planning and Environmental Policy and Doctor of Philosophy in Urban Planning and Environmental Policy are offered. In addition to course and degree offerings, students with majors in other departments may declare minors in the four disciplines offered through this unit: Administration of Justice, Political Science, Public Affairs, and Military Science.** Faculty and staff are housed on the fourth floor of the Public Affairs Building.

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
Administration of Justice	Bachelor of Science in Administration of Justice
	Master of Science in Administration of Justice
	Doctor of Philosophy in Administration of Justice
Political Science	Bachelor of Arts in Political Science
Public Affairs	Bachelor of Science in Public Affairs
Public Administration	Master of Public Administration
Urban Planning and Environmental Policy	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, an Associate Dean for External Affairs, and support staff. Administrative offices are located on the fourth floor of the Public Affairs Building.

MISSION STATEMENT

Our mission is to educate a new generation of global change agents committed to addressing and offering solutions to global urban challenges of the 21st century.

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 ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), 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 I), POLS 232 (American Political Systems II), ENG 131 (Freshman English I), and ENG 132 (Freshman English II). Once admitted to the School, students are each assigned an official advisor who must approve all class schedules; and they 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 either elective or required courses only if grades of “C” or better have been earned (grades of “C-” are unacceptable).

For further information, the School Office should be contacted at (713)-313-7311.

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 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.

LISTING OF FACULTY IN THE SCHOOL

<p>Adams, Michael O. Associate Professor B.A., Tougaloo College MA., Ph.D., Atlanta University</p>	<p>McCoy, Walter Professor 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>Aham-Neze, L. Obii Visiting Assistant Professor B.A., MA., University of Houston J.D., Rutgers University</p>	<p>Mupier, Robert M. Associate Professor B.B.A., University of Kinshasa M.B.A., Western Illinois University D.A., Illinois State University</p>
<p>Akpan, Akpan I. Associate Professor B.A., Lincoln University M.C.P, University of Pennsylvania Ph.D., Rensselaer Polytechnic Institute</p>	<p>Mwamba, Zuberi Professor B.A., University of Wisconsin M.A., University of Pittsburgh Ph.D., Howard University</p>
<p>Barrington, Eugene L. Associate Professor M.Ed., Rutgers University M.Ph., Ph.D., Syracuse University</p>	<p>Onwudiwe, Ihekwoaba Associate Professor B.A., Central State University M.S., Florida State University Ph.D., Florida State University</p>
<p>Beydoun, Mustapha Assistant Professor B.A., University of Florida M.U.R.P., Florida Atlantic University Ph.D., Ohio State University</p>	<p>Opolot, James S. E. Professor B.A., M.A., Ph.D., Southern Illinois University</p>
<p>Callaghan, Karen Assistant Professor M.A., Ph.D., SUNY at Stony Brook</p>	<p>Pan, Qisheng Associate Professor B.S., Peking University M.S., University of Southern California M.S., Peking University Ph.D., University of Southern California</p>
<p>Georges-Abeyie, Daniel E. Professor B.A., Hope College M.A., University of Connecticut Ph.D., Syracuse University</p>	<p>Perez-Feliciano, Luis Assistant Professor B.A., Florida Int'l. University M.A., Ph.D., Fordham University</p>
<p>Herrington, Theophilus Associate Professor B.A., Fort Valley State University MA., Ph.D., University of Illinois</p>	<p>Price, Byron Associate Professor B.S., Texas Southern University M.B.A., Oklahoma City University M.P.A., Texas Southern University Ph.D., Mississippi State University</p>
<p>Ibitayo, Olurominiyi Associate Professor B.S., University of Ibadan M.S., Colorado State University M.S., Ph.D., Arizona State University</p>	<p>Robinson, Carroll Assistant Professor J.D., George Washington University B.A., Stockton State College</p>

<p>Johnson, Marva Assistant Professor B.A., Tougaloo College MA., Atlanta University</p>	<p>Sen, Lalita Professor B.S., University College Swansen, University of Wales M.S., Ph.D., Northwestern University</p>
<p>Jones, Franklin Professor B.A., Southern University M.A., Ph.D., Atlanta University</p>	<p>Solitare, Laura Assistant Professor B.S., University of Connecticut M.S., Rutgers University Ph.D., Rutgers University</p>
<p>Kalunta-Crumpton, Anita Associate Professor B.S., University of Nigeria M.S., University of Calabar, Nigeria Ph.D., Brunel, The University of West London, United Kingdom</p>	<p>Tachia, H. R. Associate Professor B.S. University of Nigeria, Nsukka M.S. Iowa State University Ph.D. Oklahoma State University</p>
<p>Kellum, Sharlette Assistant Professor B.A., Prairie View A&M University M.A., Texas Southern University Ph.D., Prairie View A&M University</p>	<p>Taylor-Greene, Helen Professor B.S., Howard University M.S., The American University M.A., Ph.D., University of Maryland</p>
<p>Manboah-Rockson, Joseph Assistant Professor B.B.A., Wichita State University M.A., Baylor University Ph.D., University of Cape Town</p>	<p>Woods, Don A. Professor B.S., M.A., Tennessee State University Ph.D., University of Pittsburgh</p>
<p>Mangum, Maruice Assistant Professor B.A., University of Iowa M.A., The Ohio State University Ph.D., Louisiana State University</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 6 semester hours of American and Texas government credits that are required of all students by the university. Offices of faculty members are located on the fourth floor of the 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-dept 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, must satisfy ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), 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 System I), POLS 232 (American Political Systems II), ENG 131 (Freshman English I), and ENG 132 (Freshman English II). 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 II. 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 to vary 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.

Bachelor of Arts Degree in Political Science
 Four-Year Degree Plan – Total Credits: 120

Freshman			
First Semester		Second Semester	
English 131	3	English 132	3
Math 133	3	Math 134 or 135	3
P.E. (100 level)	1	Sociology 157	3
History 231	3	History 232	3
Speech 135 or 136	3	Pol. Sci. 232	3
Pol. Sci. 231	3		
	16 hrs		15 hrs

Sophomore			
First Semester		Second Semester	
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

Junior			
First Semester		Second Semester	
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

Senior			
First Semester		Second Semester	
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

Bachelor of Arts Degree in Political Science
 Five-Year Degree Plan – Total Credits: 120

Freshman			
First Semester		Second Semester	
English 131	3	English 132	3
Math 133	3	Math 134 or 135	3
P.E. (100 level)	1	Sociology 157	3
History 231	3	History 232	3
Pol. Sci. 231	3	Pol. Sci. 232	3
	13 hrs		15 hrs

Sophomore			
First Semester		Second Semester	
English (200 level)	3	Computer Sc 116	3
Biology 143	4	Sociology 158 or Psychology 131	3
For. Lang./Sub	3	For. Lang./Sub	3
Pol. Sci. 250	3	Pol. Sci. 330	3
	13 hrs		12 hrs

Junior			
First Semester		Second Semester	
Speech 135/136	3	Phys 101 or Geol 141	4
PA 301	3	PA 302	3
Pol. Sci. 340	3	Pol. Sci. Elective	3
Pol. Sci. 390 or 391	3	Minor	3
	12 hrs		13 hrs

Senior			
First Semester		Second Semester	
Pol. Sci. 413	3	Pol. Sci. 410	3
Pol. Sci. Elective	3	Pol. Sci. Elective	3
Minor	3	Minor	3
Minor	3	Minor	3
	12 hrs		12 hrs

Fifth Year			
First Semester		Second Semester	
Minor	3	Minor	3
Pol. Sci. Elective	3	Aesthetics	3
Economics 231	3	Economics 232	3
	9 hrs		9 hrs

Bachelor of Arts Degree in Political Science
Six-Year Degree Plan – Total Credits: 120

Freshman			
First Semester		Second Semester	
English 131	3	English 132	3
Math 133	3	Math 134 or 135	3
History 231	3	History 232	3
Pol. Sci. 231	3	Pol. Sci. 232	3
	12 hrs		12 hrs

Sophomore			
First Semester		Second Semester	
English (200 level)	3	Computer Sc 116	3
Sociology 157	3	Sociology 158 or Psychology 131	3
Pol. Sci. 250	3	Pol. Sci. 330	3
Biology 143	4	Phys 101 or Geol 141	4
	13 hrs		13 hrs

Junior			
First Semester		Second Semester	
Economics 231	3	Economics 232	3
PA 301	3	PA 302	3
Pol. Sci. 340	3	Pol. Sci. Elective	3
Speech 135/136	3	Minor	3
	12 hrs		12 hrs

Senior			
First Semester		Second Semester	
Pol. Sci. 413	3	Pol. Sci. 410	3
Pol. Sci. 390/391	3	Pol. Sci. Elective	3
Minor	3	Minor	3
Minor	3		
	12 hrs		9 hrs

Fifth Year			
First Semester		Second Semester	
Minor	3	Minor	3
Foreign Lang./Sub	3	Foreign Lang./Sub	3
Pol. Sci. Elective	3		
	9 hrs		6 hrs

Sixth Year			
First Semester		Second Semester	
Minor	3	Minor	3
P.E. (100 level)	1	Aesthetics	3
	4 hrs		6 hrs

Bachelor of Science Degree in Public Affairs
 Four-Year Degree Plan – Total Credits: 120

Freshman			
First Semester		Second Semester	
English 131	3	English 132	3
Math 133	3	Math 134 or 135	3
P.E. (100 level)	1	Sociology 157	3
History 231	3	History 232	3
Speech 135 or 136	3	Pol. Sci. 232	3
Pol. Sci. 231	3		
	16 hrs		15 hrs

Sophomore			
First Semester		Second Semester	
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

Junior			
First Semester		Second Semester	
Economics 231	3	Economics 232	3
PA 302	3	PA 311	3
PA 312	3	PA 313	3
Minor	3	PA 321	3
Minor	3	Minor	3
	15 hrs		15 hrs

Senior			
First Semester		Second Semester	
PA 401	3	PA 400	3
PA 350	6	PA 410	3
Minor	3	Minor	3
Minor	3	Minor	3
	15 hrs		12 hrs

Bachelor of Science Degree in Public Affairs
 Five-Year Degree Plan – Total Credits: 120

Freshman			
First Semester		Second Semester	
English 131	3	English 132	3
Math 133	3	Math 134 or 135	3
P.E. (100 level)	1	Sociology 157	3
History 231	3	History 232	3
Pol. Sci. 231	3	Pol. Sci. 232	3
	13 hrs		15 hrs

Sophomore			
First Semester		Second Semester	
English (200 level)	3	Computer Sc 116	3
Biology 143	4	Sociology 158 or Psychology 131	3
For. Lang./Sub	3	For. Lang./Sub	3
PA 271	3	PA 301	3
	13 hrs		12 hrs

Junior			
First Semester		Second Semester	
PA 302	3	Phys 101 or Geol 141	4
PA 312	3	PA 311	3
PA 350	6	PA 313	3
		Minor	3
	12 hrs		13 hrs

Senior			
First Semester		Second Semester	
PA 401	3	PA 321	3
Minor	3	PA 400	3
Minor	3	PA 410	3
Minor	3	Minor	3
	12 hrs		12 hrs

Fifth Year			
First Semester		Second Semester	
Minor	3	Minor	3
Speech 135/136	3	Aesthetics	3
Economics 231	3	Economics 232	3
	9 hrs		9 hrs

Bachelor of Science Degree in Public Affairs
Six-Year Degree Plan – Total Credits: 120

Freshman			
First Semester		Second Semester	
English 131	3	English 132	3
Math 133	3	Math 134 or 135	3
History 231	3	History 232	3
Pol. Sci. 231	3	Pol. Sci. 232	3
	12 hrs		12 hrs

Sophomore			
First Semester		Second Semester	
English (200 level)	3	Computer Sc 116	3
Sociology 157	3	Sociology 158 or Psychology 131	3
PA 271	3	PA 301	3
Biology 143	4	Phys 101 or Geol 141	4
	13 hrs		13 hrs

Junior			
First Semester		Second Semester	
Economics 231	3	Economics 232	3
PA 302	3	PA 311	3
Minor	3	PA 313	3
Speech 135/136	3	Minor	3
	12 hrs		12 hrs

Senior			
First Semester		Second Semester	
PA 312	3	PA 321	3
PA 401	3	PA 350	6
Minor	3		
Minor	3		
	12 hrs		9 hrs

Fifth Year			
First Semester		Second Semester	
Minor	3	PA 400	3
Foreign Lang./Sub	3	Foreign Lang./Sub	3
Minor	3		
	9 hrs		6 hrs

Sixth Year			
First Semester		Second Semester	
PA 410	3	Minor	3
P.E. (100 level)	1	Aesthetics	3
	4 hrs		6 hrs

DEPARTMENT OF ADMINISTRATION OF JUSTICE

The Department of Administration of Justice offers courses in Administration of Justice (AJ) 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. 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 expects to initiate 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 and eradicate identified deficiencies through the General University Academic Center (GUAC), 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 four courses with grades of "C" or better (grades of "C-" are unacceptable): POLS 231 (American Political System 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 220, AJ 240, and AJ 313. 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. One of two prerequisites for all Administration of Justice courses.
- 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. Prerequisites: AJ 220 and AJ 240.
- 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. Prerequisite: AJ 240.
- 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. Prerequisite: AJ 220.
- 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 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.
- MSCI 241** **Basic Camp** **(4)**
 Six-week, off-campus field training practicum that introduces students to the military. Includes topics in leadership and repelling. No military obligation is required for attending course. Prerequisite: Consent of the Faculty Chair.
- MSCI 331** **Advanced Military Science** **(3)**
 Introduction to small unit leadership, troop leading procedures, leadership theory, and small unit patrolling. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.

Bachelor of Science Degree in Administration of Justice
Four-Year Degree Plan – Total Credits: 120

Freshman			
First Semester		Second Semester	
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
PE (100 Level)	1	PE (100 Level)	1
	16 hrs		16 hrs

Sophomore			
First Semester		Second Semester	
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
	16 hrs		15 hrs

Junior			
First Semester		Second Semester	
Hist 231	3	Hist 232	3
AJ 301	3	AJ 302	3
AJ 313	3	AJ 321	3
Minor	3	Minor	3
Minor	3	Minor	3
	15 hrs		15 hrs

Senior			
First Semester		Second Semester	
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

Bachelor of Science Degree in Administration of Justice
Five-Year Degree Plan – Total Credits: 120

Freshman			
First Semester		Second Semester	
AJ 100	3	AJ 105	3
English 131	3	History 232	3
Math 133	3	English 132	3
History 231	3	Math 134/135	3
PE (100 Level)	1	Soc 157, Soc 158 or Psy 131	3
	13 hrs		15 hrs

Sophomore			
First Semester		Second Semester	
PE (100 Level)	1	AJ 220	3
Pol. Sci. 231	3	Pol. Sci. 232	3
Eng (200 Level)	3	SC 135/136	3
Art 131, Music 131 or Theater 130	3	CS 117	3
CS 116	3		
	13 hrs		12 hrs

Junior			
First Semester		Second Semester	
PHYS 101 or Geol 141	4	AJ 250	3
AJ 240	3	HED 233	2
AJ 313	3	Biol 143 & Biol 143L	4
AJ Elective 1	3	Minor	3
	13 hrs		12 hrs

Senior			
First Semester		Second Semester	
AJ 301	3	AJ 321	3
AJ 411	3	AJ 302	3
AJ Elective 2	3	AJ 460	3
Minor 2	3	AJ Elective 3	3
	12 hrs		12 hrs

Fifth Year			
First Semester		Second Semester	
AJ Elective 4	3	Minor 3	3
Minor 4	3	Minor 5	3
Minor 6	3	Minor 7	3
	9 hrs		9 hrs

Bachelor of Science Degree in Administration of Justice
Six-Year Degree Plan – Total Credits: 120

Freshman			
First Semester		Second Semester	
AJ 100	3	History 232	3
English 131	3	English 132	3
Math 133	3	Math 134/135	3
History 231	3	Soc 157, Soc 158 or Psy 131	3
	12 hrs		12 hrs

Sophomore			
First Semester		Second Semester	
Pol. Sci. 231	3	AJ 105	3
Eng (200 Level)	3	Pol. Sci. 232	3
Art 131, Music 131 or Theater 130	3	SC 135/136	3
CS 116	3	CS 117	3
	12 hrs		12 hrs

Junior			
First Semester		Second Semester	
AJ 220	3	AJ 250	3
AJ 240	3	HED 233	2
AJ 313	3	Biol 143 & Biol 143L	4
AJ Elective 1	3	Minor 1	3
	12 hrs		12 hrs

Senior			
First Semester		Second Semester	
AJ 301	3	AJ 321	3
AJ 411	3	AJ 302	3
AJ Elective 2	3	AJ 460	3
Minor 2	3	AJ Elective 3	3
	12 hrs		12 hrs

Fifth Year			
First Semester		Second Semester	
AJ Elective 4	3	Minor 3	3
Minor 3	3	Minor 5	3
Minor 4	3	Minor 7	3
	9 hrs		9 hrs

Sixth Year			
First Semester		Second Semester	
Phys 101 or Geol 141	4		
PE (100 Level)	1		
PE (100 Level)	1		
	6 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 two degrees in pharmacy: the entry-level Doctor of Pharmacy (two-year pre-pharmacy, four-year professional program degree) and the Doctor of Pharmacy (two-year post-baccalaureate degree); and graduate degrees in Health Care Administration (M.S. in Health Care Administration) and Pharmaceutical Sciences (M.S. and 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 (Medical Technology)**. Information on the post-baccalaureate Doctor of Pharmacy Degree, the Master of Science Degree in Health Care Administration and the Master of Science and Doctor of Philosophy degrees in Pharmaceutical Sciences should be obtained directly from the College of Pharmacy and Health Sciences Admissions Office (3100 Cleburne; Houston, Texas 77004-9987).

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 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 a variety of health care methods and techniques—including pharmaceutical care as well as in the delivery of such care. In fulfilling its purpose, the College is committed to two objectives: providing an innovative, productive and receptive learning environment for research and scholarly activities and services, and infusing new technology into its infrastructure and academic programs.

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 Commission on Accreditation of Allied Health Programs (CAAHEP) and 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 Accreditation Council (EHAC).

REGISTRATION AS A PHARMACIST IN THE STATE OF TEXAS LICENSURE AND EXPERIENCE REQUIREMENTS

To become a registered pharmacist in the State of Texas, a person must have, at least, an earned Bachelor of Science (B.S.) degree in Pharmacy or an earned Doctor of Pharmacy (Pharm.D.) degree from an accredited college of pharmacy in the United States; must obtain a passing grade (75 %) on the North American Pharmacist Licensure Examination (NAPLEX); and must earn a passing grade (75 %) on the Multistate Pharmacy Jurisprudence Examination. In order to qualify to take the NAPLEX in Texas, a person must be a graduate of an accredited college of pharmacy with either a Bachelor of Science or Doctor of Pharmacy degree, be at least 21 years of age, be of good moral character, and fulfill the practical experience requirement.

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

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 (Medical Technology)

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.

ADMISSION POLICIES

General

Admission to 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, but no later than February 15 of the year in which admission is desired (new students are admitted only in the Fall semester). 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. in one of the Health Sciences 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 or not 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 open 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 ASSET 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 ASSET requirements. Admission to the Pre-Pharmacy Program is not a guarantee of acceptance in the Professional Pharmacy Program referenced below.

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 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 ASSET requirements at the University
 - 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 February 15th.
 - d. The Pharmacy College Admissions Test (PCAT) is required for all students seeking admission. Applicants are encouraged to participate in either the October, January, or February test date for the PCAT. 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 to be considered for an interview. Submission of all required documentation does not guarantee an invitation for a personal 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. **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.
 - 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 this period will not be allowed to continue in the professional pharmacy program.
3. Applicants may be admitted to the College of Pharmacy and Health Sciences by transfer 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 2.50 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.

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. That 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. That 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 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 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 a GPA of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics 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 responsibility at the time of application and have GPA's 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 requirements and have GPA's 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 responsibility and have GPA's 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/junior college or four year college or university.**

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 with.

CLASSIFICATION OF STUDENTS IN PHARMACY

In order to enroll for courses during the professional years of study toward completion of the entry-level Doctor of Pharmacy Degree, students must be classified in accord with the stipulations indicated. First professional year students must have at least 64 semester credit hours and twice as many quality points. These students must have completed the prescribed lower division or pre-pharmacy courses. Second professional year students must have at least 99 semester credit hours, twice as many quality points, and completed the prescribed courses for the first year. Third professional year students must have completed at least 132 semester credit hours, twice as many quality points, and completed the prescribed courses for the second year. Fourth professional year students must have completed at least 160 semester credit hours, twice as many quality points, and completed the prescribed courses for the third year. Students not meeting these requirements will be classified by the Faculty.

CLASSIFICATION OF HEALTH SCIENCE MAJORS

A. First Year Students

First year students are those pre-professional students who have desire to enroll in one of the Health Sciences majors. These students are enrolled in the respective classes' for the given curriculum having met all requirements for admission to the university.

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)
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 dismissal 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 repeated.

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 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. In the case of failure, graduation must occur within one year of successful completion of the examination, or all sections of the examination must be repeated. Students will only be allowed to repeat the comprehensive examination twice.

Respiratory Therapy

A three-part program comprehensive examination is required of all students for receipt of the program Certificate of Completion in Respiratory Therapy. Students must be approved by the Program Director to attempt this examination. Successful completion of all parts of the comprehensive examination qualifies students to take the professional National Board of Respiratory Care Entry board examinations (CRT, WRT/CSE), which must be passed in this sequence and in accord with national passing rates. Students failing any part or parts of the program comprehensive examination will be required to enroll in documented recapitulative course work prior to taking the examination again.

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. Probation implies:

- a. That 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.
- b. That 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

The primary purpose of discipline is educational in nature 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 Policy 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 Policy Handbook for the College of Pharmacy and Health Sciences is available 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 MMR (Measles, Mumps, Rubella), Hepatitis B (series I, II, III), Diphtheria/Tetanus, Tuberculin skin test (annual). 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 (HIPPA) Training
4. Occupational Exposure to Blood Borne Pathogens Training

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/Senior Vice-President for Academic Affairs 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 grades of 'C-', 'D+', or 'D' in the first half of a two-semester course may proceed to the second semester in that course. However, the first semester course must be repeated to satisfy the C grade requirement stated above. Under no circumstances may a student continue in a two-semester course when a grade of 'D-' or 'F' is incurred in the first semester.

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 **the entry-level Doctor of Pharmacy Degree and the post-baccalaureate Doctor of Pharmacy Degree. Persons interested in the post-baccalaureate Doctor of Pharmacy (Pharm.D.) should contact the Office of the Assistant Dean for Student Services in the College of Pharmacy and Health Sciences at Texas Southern University directly for details on the requirements for this degree.** The entry-level 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 unit include the following: (1) pharmaceutical and medicinal chemistry (PHCH), (2) pharmaceuticals (PHAR), and (3) pharmacology and allied sciences (PAS).

The Department of Pharmaceutical Sciences also offers the Master of Science (M.S.) degree and the Doctor of Philosophy (Ph.D.) degree in Pharmaceutical Sciences. Students who are interested in pursuing the M.S. and/or Ph.D. degree in Pharmaceutical Sciences should consult the Graduate School Bulletin of Texas Southern University for further information or visit the website (www.tsu.edu).

Members of the Department of Pharmaceutical Sciences are housed in Gray Hall with the Department Office located in Room 124. The Department supports the primary mission of the College of Pharmacy and Health Sciences.

Since the Department offers the entry-level Pharm.D. and the post-baccalaureate Pharm.D. along 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. and the sequence in which required courses should be taken. Courses offered through this instructional unit are described below.

Students should refer to admission policies, comprehensive examination information, and other 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>Akpaffiong, Macauly J. Professor Pharmacology B.S., Texas Southern University M.Sc., Ph.D., University of Bath Pharm.D., University of Southern California</p>	<p>Hickman, Eugene, Sr. Professor (Retired) Pharmaceutics B.S., Texas Southern University M.S., University of Texas Ph.D., University of Iowa</p>
<p>Bates, Theodore R. Professor Pharmacokinetics B.S., Ph.D., Columbia University</p>	<p>Liang, Dong Associate Professor Pharmaceutics B.S., M.S., Zhejiang Medical University Ph.D., University of Houston</p>
<p>Bell, Edward C. Assistant Professor Pharmaceutics B.S., Tougaloo College Ph.D., Auburn University</p>	<p>Mehta, Chander S. Professor Pharmacology B.S., University of Bombay B.Pharm., Ph.D., Washington State University</p>
<p>Enigbokan, Mofolorunso A. Associate Professor Pharmacology B.S., M.S., Texas Southern University Ph.D., Howard University</p>	<p>Milton, Shirlette Glover Associate Professor Pharmaceutical Chemistry B.S., Texas Southern University M.S., Ph.D., University of Texas</p>
<p>Eugere, Edward J. Professor Pharmacology B.S., Xavier University M.S., Wayne State University Ph.D., University of Connecticut</p>	<p>Oyekan, Adebayo O. Professor Pharmacology D.V.M., University of Nigeria Ph.D., University of London</p>
<p>Felder, Tyrone B. Associate Professor Pharmaceutics B.S., Florida A & M University Ph.D., University of Kentucky</p>	<p>Shivachar, Amruthesh Assistant Professor Pharmaceutical Chemistry B.Sc., Sarada Vilas Science College M.Sc., Ph.D., University of Mysore</p>
<p>Guilford, James Professor Pharmaceutical Chemistry B.S., St. John's University M.S., Ph.D., University of Michigan</p>	<p>Wells, Patrick Dean Emeritus B.S., Texas Southern University M.S., Ph.D., University of Nebraska at Lincoln</p>
<p>Hayes, Barbara E. Associate Professor Pharmacology B.S., Texas Southern University M.S., Purdue University Ph.D., University of Houston</p>	<p>Xiong, Quanbo Assistant Professor Pharmaceutical Chemistry B.S., M.S., Shanghai Medical University Ph.D., Toyama Medical and Pharmaceutical University</p>

PHARMACEUTICAL SCIENCES COURSES

- PAS 415 Pathophysiology Laboratory (1)**
Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PAS 435. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PAS 435.
- PAS 435 Pathophysiology I - Cells and Tissues (3)**
Concepts of pathophysiology of cells and tissues; altered cellular and tissue biology; cellular environment of fluids and electrolytes; genes and genetic disease. Mechanisms of immunity and inflammation, tumorigenesis, and carcinogenesis. Three hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences. Corequisite: Concurrent enrollment in PAS 415.
- PAS 436 Pathophysiology II - Organs and Tissues (3)**
Pathophysiologic alterations in organs and systems with emphasis on the nervous, endocrine, reproductive, hematologic, cardiovascular, and lymphatic systems. Three hours of lecture per week. Prerequisites: PAS 415 and PAS 435.
- PAS 517 Pharmacology Toxicology I Laboratory (1)**
Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PAS 537. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PAS 537.
- PAS 535 Pathophysiology III - Alterations (2)**
Pathophysiologic alterations of organs and organ systems, including the pulmonary, digestive, musculoskeletal systems and skin. Two hours of lecture per week. Prerequisite: PAS 436.
- PAS 537 Pharmacology Toxicology I (3)**
Pharmacology and toxicology of drugs used to treat disorders of the gastrointestinal, respiratory, and cardiovascular systems. Three hours of lecture per week. Prerequisite: Second professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor. Corequisite: Concurrent enrollment in PAS 517 and PAS 535.
- PAS 539 Chemotherapeutics (3)**
In-depth study of the principles of chemotherapy and a thorough discussion of agents used to manage infectious and neoplastic diseases. Three hours of lecture per week. Prerequisites: PAS 517, PAS 535, PAS 537, second professional year standing in the College of Pharmacy and Health Sciences and BIOL 347 or the equivalent.
- PAS 547 Pharmacology Toxicology II (4)**
Elucidates the pharmacology and toxicology of drugs used to treat disorders of the central nervous system, musculoskeletal system, and renal system. Three hours of lecture and three hours of laboratory per week. Prerequisites: PAS 517 and PAS 537.
- PHAR 111 Pharmacy Orientation (1)**
Survey of the pharmacy profession with emphasis on history, ethics, careers, and professional organizations. One hour of lecture per week.
- PHAR 112 Pharmacy Orientation (1)**
Survey of the pharmacy profession with emphasis on history, ethics, careers, and professional organizations. One hour of lecture per week.
- PHAR 211 Pharmacy Applications (1)**
Study of the fundamental principles underlying the science and practice of pharmacy in the United States. One hour of lecture per week. Prerequisites: PHAR 111, PHAR 112 and successful completion of freshman biology and chemistry courses.

PHAR 212	Medical Terminology Programmed course of study building medical words from Greek and Latin prefixes, suffixes, word roots, and combining forms. Professional students are required to complete this course. One hour of lecture per week.	(1)
PHAR 413	Pharmaceutics I Laboratory Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 433. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 433.	(1)
PHAR 414	Pharmaceutics II Laboratory Demonstrations, case studies, recitation, simulations, presentations, and small group discussions to accompany PHAR 434. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 434.	(1)
PHAR 420	Computer Applications in Pharmacy Designed to provide knowledge and skills necessary to use microcomputers in pharmacy practice management, with emphasis on the study and evaluation of computer information systems. Two hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor.	(2)
PHAR 433	Pharmaceutics I - Calculations Problems, calculations, and processes involving weights and measures, specific gravity, percentage, solutions, and alligations peculiar to pharmacy and related sciences. Three hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences. Corequisite: Concurrent enrollment in PHAR 413.	(3)
PHAR 434	Pharmaceutics II - Dosage Forms I Biopharmaceutics and the application of physicochemical principles with applications to drugs, dosage forms, and drug action. Three hours of lecture per week. Prerequisites: PHAR 413 and PHAR 433. Corequisite: Concurrent enrollment in PHAR 414.	(3)
PHAR 513	Pharmaceutics III Laboratory Demonstrations, experiments, simulations, case studies, recitation, presentations, and small group discussions to accompany PHAR 533. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 533.	(1)
PHAR 514	Pharmaceutics IV Laboratory This laboratory course is intended to provide students knowledge and skills in handling IV products in accordance to the USP-NF Chapter 797 Guidelines. In addition, this course will provide knowledge and technical skills in topics related to PHARM 534 course. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 534.	(1)
PHAR 533	Pharmaceutics III - Dosage Forms II Biopharmaceutics and applications of physiochemical principles to drugs, dosage forms, and drug action. Three hours of lecture per week. Prerequisites: PHAR 414 and PHAR 434. Corequisite: Concurrent enrollment in PHAR 513.	(3)
PHAR 534	Pharmaceutics IV - Dosage Forms III Explores the principles and application of novel drug delivery systems and sterile products. Three hours of lecture per week. Prerequisites: PHAR 513 and PHAR 533. Corequisite: Concurrent enrollment in PHAR 514.	(3)

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 611	Substance Abuse Education	(2)
	Drug educational program for organizing and training pharmacy students to speak to junior and senior high school students on the potential hazards of drug abuse. Two hours of lecture per week. Prerequisite: Second professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor.	
PHAR 614	Pharmaceutics V Laboratory	(1)
	Demonstrations, case studies, recitation, presentations, computer simulations, and small group discussions to accompany PHAR 634. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 634.	
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.	
PHAR 634	Pharmaceutics V - Basic Pharmacokinetics	(3)
	Study of factors affecting bioavailability and time course of action of drugs in humans. Three hours of lecture per week. Prerequisites: PHAR 514 and PHAR 534. Corequisite: Concurrent enrollment in PHAR 614.	
PHAR 636	Pharmaceutics VI - Applied Pharmacokinetics	(3)
	Application of pharmacokinetic principles in selection, dosing, dosage adjustments, and evaluation of drug therapy in the institutionalized patient. Three hours of lecture per week. Prerequisites: PHAR 614 and PHAR 634. Corequisite: Concurrent enrollment in PHAR 616.	
PHCH 411	Pharmaceutical Chemistry I Laboratory	(1)
	Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHCH 431. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHCH 431.	
PHCH 412	Pharmaceutical Chemistry II Laboratory	(1)
	Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHCH 432. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHCH 432.	
PHCH 431	Pharmaceutical Chemistry I	(3)
	Introduction to medicinal chemistry that includes review of chemistry of natural products; relationship of physicochemical properties to drug action; and biochemistry of carbohydrates, lipids, proteins, and enzymes. Three hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor. Corequisite: Concurrent enrollment in PHCH 411.	
PHCH 432	Pharmaceutical Chemistry II - Biochemistry	(3)
	Discussion of hormones, vitamins, enzymes, nucleic acids, protein synthesis, biological oxidation, and intermediary metabolism. Drug metabolism and biochemical basis of common clinical laboratory tests discussed. Three hours of lecture per week. Prerequisites: PHCH 431 and PHCH 411. Corequisite: Concurrent enrollment in PHCH 412.	

PHCH 531**Pharmaceutical Chemistry III****(3)**

Principles of medicinal chemistry and drug metabolism pathways. Application of chemical principles to specific drug categories. Three hours of lecture per week. Prerequisites: Successful completion of PHCH 411, PHCH 412, PHCH 431, and PHCH 432. Corequisite: Concurrent enrollment in PAS 537.

PHCH 532**Pharmaceutical Chemistry IV****(3)**

Application of chemical principles to the central nervous system; non-steroidal, anti-inflammatory, chemotherapeutic, diagnostic, radio-pharmaceutical, and miscellaneous organic and inorganic medicinal agents. Three hours of lecture per week. Prerequisite: PHCH 531.

DEPARTMENT OF PHARMACY PRACTICE

The Department of Pharmacy Practice, along with the Department of Pharmaceutical Sciences, **offers the entry-level Doctor of Pharmacy and the post-baccalaureate Doctor of Pharmacy. Persons interested in the post-baccalaureate Doctor of Pharmacy (Pharm.D.) should contact the Office of the Assistant Dean for Student Services in the College of Pharmacy and Health Sciences at Texas Southern University directly for details on the requirements for this degree.** The entry-level 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 unit include therapeutics and disease processes (PHAR), community and hospital/institutional pharmacy practice and other professional pharmacy practice experiences (PHAR), drug information and retrieval (PHAR), pharmacy administration and jurisprudence (PADM), and clinical research (PHAR).

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.

Courses offered through this unit are described below. In addition, a summary of the requirements for the entry-level Pharm.D. is provided along with an indication of the sequence in which discipline-specific courses and their primary prerequisites and corequisites should be taken.

Students should refer to admission policies, comprehensive examination information, and other important information regarding the completion of the entry-level Doctor of Pharmacy under the College of Pharmacy and Health Sciences introductory section of this document.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Abobo, Cyril V. Associate Professor Pharmacy Practice B.S., Texas Southern University Pharm.D., Florida A & M University</p>	<p>Maclayton, Darego Assistant Professor Pharmacy Practice Pharm. D., Texas Southern University</p>
<p>Eaton, Angie Assistant Professor Pharmacy Practice Pharm.D., Texas Southern University</p>	<p>Morris-Moultry, Aisha M. Assistant Professor Pharmacy Practice M.S., Ohio State University Pharm.D., Texas Southern University</p>
<p>Estes, Flora Assistant Professor Pharmacy Practice Pharm.D., Texas Southern University</p>	<p>Ndefo, Uche Anadu Assistant Professor Pharmacy Practice Pharm.D., University of South Carolina</p>
<p>Chui-Poon, Ivy Assistant Professor Pharmacy Practice Pharm.D., University of Houston</p>	<p>Okafor, Kingsley C. Professor Pharmacy Practice B.S., Texas Southern University Pharm.D., Florida A & M University</p>
<p>Jackson-Stewart, Doris Associate Professor Pharmacy Practice B.S., Texas Southern University Pharm.D., Mercer University</p>	<p>Osemene, Nora I. Associate Professor Pharmacy Practice BA., University of Iowa B.S., M.S., University of Houston Pharm.D., Texas Southern University</p>

PHARMACY PRACTICE COURSES

- PADM 530 Ethics in Pharmacy Practice (3)**
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: Second professional year standing in the College of Pharmacy and Health Sciences.
- PADM 634 Jurisprudence (3)**
Study of federal, state, and local laws pertaining to the practice of pharmacy. Rules and regulations of administrative agencies discussed. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.
- PADM 637 Strategic Management in Health Care (3)**
Designed to familiarize students with pharmaceutical economics and policy and the health care enterprise. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.
- PADM 638 Pharmacy Management (3)**
Instruction in basic concepts used to operate and manage pharmacies and medication therapy management services. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.
- PHAR 416 Introductory Pharmacy Practice Experiences I (1)**
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: Good standing in the professional pharmacy program.
- PHAR 417 Introductory Pharmacy Practice Experiences II (1)**
Continued development of skill 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: PHAR 416.
- PHAR 418 Spanish for Pharmacy Professionals (1)**
Introduction provided will 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 427 Introduction to Pharmacy and Health Care Systems (2)**
Provides students with an understanding of foundations of pharmacy and pharmacy practice, health care agencies/systems, and disease control/prevention. Three hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences or 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.
- PHAR 430 Biostatistics in Pharmacy (2)**
Provides students with an understanding of probability concepts, distributions of random variables, nonparametric methods, and other statistical methods used in biomedical, pharmaceutical, and health care research. Two hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor.
- PHAR 515 Pharmacy Seminar (1)**
Discussions on relevant research topics and literature in the clinical and pharmaceutical sciences. Student presentations and discussions required. One hour of lecture per week. Prerequisite: Completion of all 400-level courses in the College of Pharmacy and Health Sciences.

PHAR 521	<p>Non-Prescription Products (2)</p> <p>Study of non-prescription drug items and prosthetics which allows the student to evaluate over-the-counter products and make judgments concerning benefits to patients. Two hours of lecture per week. Prerequisites: Completion of all 400-level courses.</p>
PHAR 536	<p>Patient Assessment and Physical Diagnosis (3)</p> <p>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 College of Pharmacy and Health Sciences.</p>
PHAR 601	<p>Special Problems (0-8)</p> <p>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</p>
PHAR 615	<p>Prescription Practice Laboratory (1)</p> <p>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.</p>
PHAR 630	<p>Pharmacotherapeutics I (3)</p> <p>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 College of Pharmacy and Health Sciences.</p>
PHAR 631	<p>Drug Information, Literature, and Research Methods (3)</p> <p>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 College of Pharmacy and Health Sciences.</p>
PHAR 632	<p>Professional Communications/Counseling (3)</p> <p>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 College of Pharmacy and Health Sciences.</p>
PHAR 633	<p>Pharmacotherapeutics II (3)</p> <p>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 College of Pharmacy and Health Sciences.</p>
PHAR 635	<p>Prescription Practice (3)</p> <p>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 College of Pharmacy and Health Sciences.</p>
PHAR 711	<p>Biotechnology in Pharmacy (3)</p> <p>Basic principles and practical applications of molecular biological techniques in pharmaceutical development. Experimental, analytical, and production technologies discussed along with ethical implications. Three hours of lecture per week. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences or consent of the instructor.</p>

PHAR 725	Adverse Drug Reaction Designed to emphasize Adverse Drug Reaction (ADR) knowledge and competencies necessary in patient evaluation, literature evaluation, and implementation of effective ADR avoidance programs. Two hours of lecture per week. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(3)
PHAR 741	Ambulatory Care Practice Provision of pharmaceutical care to ambulatory patients and the pharmacist's role as a primary care provider. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 742	Applied Pharmacokinetics Practice Provision of pharmacokinetics consultation to hospitalized patients and other members of the health care team. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 744	Clinical Toxicology Practice Participation in clinical toxicology programs, poison control centers, and related programs. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 745	Community Pharmacy Practice Participation in the delivery of pharmaceutical care services in a community pharmacy under the supervision of a licensed pharmacist/preceptor. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 746	Acute/Emergency Medicine Provision of pharmaceutical care to critically ill patients admitted to organized health care settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 747	Information Systems Management Provision of drug information and consultation services to health services, to health care professionals, and to patients. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 748	Geriatrics Practice Provision of pharmaceutical care to patients admitted to geriatric services. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health.	(4)
PHAR 749	Home Health Care Practice Provision of pharmaceutical care to patients receiving home health care. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 751	Hospital Pharmacy Practice Participation in the delivery of pharmaceutical care in an institutional setting. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences or consent of the instructor.	(4)
PHAR 752	Immune Pharmacology Practice Provision of pharmaceutical care to patients admitted to the infectious diseases care service. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 753	Family Medicine Provision of pharmaceutical care to patients admitted to the internal medicine, general medicine, and practice setting services. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 754	Oncology Practice Provision of pharmaceutical care to hospitalized and/or ambulatory oncology patients. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)

PHAR 755	Parenteral Nutrition Provision of pharmaceutical care to patients receiving parenteral nutrition with some emphasis on enteral supplemental therapy. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 756	Pediatrics/Neonatology Practice Provision of pharmaceutical care to patients admitted to pediatric and neonatal services or ambulatory care practice settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 757	Pharmacy Administration Participation in the administrative aspects of institutional pharmacy practice and pharmacoeconomics. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 758	Psychiatry Practice Provision of pharmaceutical care to patients admitted to psychiatry services or ambulatory care practice settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 759	Surgery Practice Provision of pharmaceutical care to patients admitted to surgical intensive care units. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 760	Cardiology Structured pharmacy experience in an institutional setting dealing with surgery patients having cardiovascular diseases and disorders in acute and ambulatory care practice settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 761	Consulting Pharmacy Practice Clinical pharmaceutical health care experience with a consultant pharmacist or in practice settings that provide consultant services. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 762	Managed Care Pharmacy Practice Enhancement of student involvement in the managed care setting, including hospitals, community, and the pharmaceutical industry. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 763	Nuclear Pharmacy Practice Clinical pharmaceutical health care experience with patients undergoing nuclear pharmacy treatment. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 764	Pharmacoeconomics Practice Principles for evaluating and conducting pharmacoeconomic studies, including cost effectiveness, cost utilization, cost minimization, and cost benefit ratios. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)

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.

Entry-Level Doctor Of Pharmacy Degree
Six Year Degree Plan - Total Credits: 215

First 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 232 Social and Political History of U.S. II	3	
HIST 231 Social and Political History of U.S. I	3		MATH 136 Precalculus	3	
MATH 133 College Algebra	3		PHAR 112 Pharmacy Orientation	1	
PHAR 111 Pharmacy Orientation	1				
	21 hrs			18 hrs	

Second Year					
Third Semester			Fourth Semester		
BIOL 344 Vertebrate Anatomy and Histology	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		PHAR 212 Medical Terminology	1	
ENG 200 Level English Literature	3		Social and Behavioral Sciences PSY 131, ECON 231, SOC 157, 158, 221, 238	3	
PHYS 213 College Physics I Lab	1		SC 233 Speech Communications	3	
PHYS 237 College Physics I	3		POLS 232 American Political Systems II	3	
PHAR 211 Pharmacy Applications	1		Visual and Performing Arts THC 130, 231; MUSI 131, 239; ART 131, 132	3	
POLS 231 American Political Systems I	3				
	19 hrs			17 hrs	

Third Year					
Fifth Semester			Sixth Semester		
PHCH 431 Pharmaceutical Chemistry I	3		BIOL 347 Microbiology	4	
PHCH 411 Pharmaceutical Chemistry I Laboratory	1		PHCH 432 Pharmaceutical Chemistry II	3	
PAS 435 Pathophysiology I	3		PHCH 412 Pharmaceutical Chemistry II Laboratory	1	
PAS 415 Pathophysiology I Laboratory	1		PAS 436 Pathophysiology II	3	
PHAR 420 Computer Applications in Pharmacy	2		Elective	1-3	
PHAR 433 Pharmaceutics I	3		PHAR 434 Pharmaceutics II	3	
PHAR 413 Pharmaceutics I Laboratory	1		PHAR 414 Pharmaceutics II Laboratory	1	
PHAR 427 Introduction to Pharmacy and Health Care Systems	2		PHAR 430 Biostatistics in Pharmacy	2	
PHAR 416 Introductory Pharmacy Practice Experiences I	1		PHAR 417 Introductory Pharmacy Practice Experiences II	1	
	17 hrs			19-21 hrs	

Fourth Year				
Seventh Semester			Eighth Semester	
PHCH 531 Pharmaceutical Chemistry III	3		PHCH 532 Pharmaceutical Chemistry IV	3
PHAR 533 Pharmaceutics III	3		PAS 547 Pharmacology Toxicology II	4
PHAR 513 Pharmaceutics III Laboratory	1		PHAR 534 Pharmaceutics IV	3
PAS 537 Pharmacology Toxicology I	3		PHAR 514 Pharmaceutics IV Laboratory	1
PAS 517 Pharmacology Toxicology I Laboratory	1		PHAR 536 Patient Assessment and Physical Diagnosis	3
PAS 535 Pathophysiology III	2		PAS 539 Chemotherapeutics)	3
PHAR 515 Pharmacy Seminar	1		PADM 530 Ethics in Pharmacy Practice	3
PHAR 521 Non-Prescription Products)	2			
Elective	1-3			
	17-19 hrs			20 hrs

Fifth Year				
Ninth Semester			Tenth Semester	
PHAR 634 Pharmaceutics V	3		PHAR 636 Pharmaceutics VI	3
PHAR 614 Pharmaceutics V Laboratory	1		PHAR 616 Pharmaceutics VI Laboratory	1
PHAR 630 Pharmacotherapeutics I	3		PHAR 635 Prescription Practice	3
PHAR 631 Drug Information, Literature Evaluation, and Research Methods	3		PHAR 615 Prescription Practice Laboratory	1
PHAR 632 Professional Communications/Counseling	3		PHAR 633 Pharmacotherapeutics II	3
PADM 638 Pharmacy Management	3		PADM 634 Jurisprudence	3
Elective	1-3		PADM 637 Strategic Management in Health Care	3
	17-19 hrs			17 hrs

Summer				
Advanced Pharmacy Practice Experience as approved	8 hrs			

Sixth Year				
Eleventh Semester			Twelfth Semester	
Advanced Pharmacy Practice Experience as approved	12 hrs		Advanced Pharmacy Practice Experience as approved	12 hrs

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 degree discipline are offered through the unit under the following designations: HSEH (Environmental Health), HSHA (Health Administration), HSMR (Health Information Management), HSMT (Medical Technology), 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 this unit.

Members of the Department of Health Sciences are housed in Nabrit Center with the Department 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** (Medical Technology), 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, welfare, and self-actualization of clients and citizens.

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 (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 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 this unit, curricular summaries for the various degrees, and the sequences in which discipline-specific courses and their primary prerequisite and corequisite courses should be taken are given below.

Students should refer to admission policies, comprehensive examination information, and other important information regarding the various B.S. degrees offered through this unit under the College of Pharmacy and Health Sciences introductory section of this document.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Allen, Reginald Instructor Respiratory Therapy B.S., M.Ed., Texas Southern University</p>	<p>Quiller, Dorothy Adjunct Assistant Professor Clinical Laboratory Science B.S., M.Ed., Texas Southern University</p>
<p>Bright, Mildred Assistant Professor Health Administration B.S., Prairie View A&M University M.Ed., Texas Southern University Dr.P.H., The University of Texas at Houston</p>	<p>Shelton, Andrea Associate Professor Health Administration B.A., Howard University M.A., University of South Florida Ph.D., University of Pittsburgh</p>
<p>Hampton, Jean M. Associate Professor Respiratory Therapy B.S., M.S., Ph.D., Texas Southern University</p>	<p>Taylor, Andrew Instructor Respiratory Therapy B.S., M.S., Texas Southern University</p>
<p>Hawkins, Fanny Assistant Professor Health Information Management B.S., University of Southwestern Louisiana M.P.A., Ed.D., Texas Southern University</p>	<p>Thomas, Renard Assistant Professor Environmental Health B.S., University of Houston M.S., Ph.D., Texas Southern University</p>
<p>James, Andrew B. Chair and Assistant Professor Health Administration Dr.P.H., The University of Texas at Houston J.D., Texas Southern University L.L.M., University of Houston</p>	<p>Williams, Ramona Instructor Respiratory Therapy B.S., M.S., Texas Southern University</p>
<p>Lawson, Melanie W. Assistant Professor Health Administration M.P.H., The University of Texas at Houston Ph.D., University of Houston</p>	<p>Yousefipour, Zivar Assistant Professor Environmental Health B.S., M.S., University of Houston Ph.D., Texas Southern University</p>
<p>Mazique, Judith B. Assistant Professor Environmental Health B.S., Howard University M.P.H., The University of Texas at Houston J.D., South Texas College of Law</p>	<p>Zikarge, Astatkie Assistant Professor Environmental Health 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>
<p>McVea, Jackie Adjunct Assistant Professor Clinical Laboratory Science B.S., M.Ed., Ed.D., Texas Southern University</p>	

- 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. Prerequisite: HSEH 232.
- 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. Prerequisite: HSEH 337.
- 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 and HSEH 344.
- 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. Two hours of lecture and four hours of laboratory per week. Prerequisite: HSEH 232.
- 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. Prerequisite: HSEH 344.
- 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. Prerequisite: HSEH 337.
- 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 338 and HSEH 344.
- HSEH 433** **Institutional Health and Safety** (3)
 Survey of structural, electrical, and fire safety 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. Prerequisite: HSEH 235.
- 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. Prerequisite: HSEH 338.
- 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. Prerequisite: Consent of the Program Director.
- HSEH 442** **Occupational Safety and Health** (3)
 Recognition, measurement, evaluation, and control of workplace hazard exposures. Fundamentals of industrial hygiene, ergonomics, occupational disease surveillance, hazard communication, and worker protection discussed. Three hours of lecture per week. Prerequisites: HSEH 339 and HSEH 450.

- 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. Prerequisite: HSEH 234.
- 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. Prerequisite: Consent of the Program Director.
- 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 the Program Director.

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.
- HSHA 262** **Public Policy and Health Care** **(3)**
Overview of major national and state health legislation and health policy. Three hours of lecture per week.
- HSHA 312** **Health Administration in School Systems** **(3)**
Examination of health care issues in the Houston Independent School District where enrollees are provided an opportunity to perform projects in school health settings. Three hours of lecture per week.
- HSHA 313** **Health Care of the Poor** **(3)**
Examination of health care issues affecting the uninsured, the working uninsured, and the poor in the health care system. Three hours of lecture per week.
- HSHA 314** **Finance and Economics of Health Care** **(3)**
Overview of health care financial and economics concepts in health care facilities. Three hours of lecture per week.
- 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 retarded. Three hours of lecture per week.
- 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.
- HSHA 411** **Health Administration Internship** **(3)**
Direct exposure of students to professional work experiences and responsibilities through workplace settings. May be taken twice for credit. One hour of lecture and thirty-eight hours of laboratory per week. Prerequisite: Consent of the Program Director and 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.

- HSHA 413 Seminar in Community Health (3)**
Detailed examination of state and local health care issues: role of the U. S. Department of Health and Human Services and the Harris County Health System. Three hours of lecture per week.
- HSHA 414 Seminar in Issues in Health Care (3)**
Detailed study of health care management issues. Three hours of lecture per week. Prerequisites: HSHA 211, HSHA 363, PA 311, and PA 312.
- HSHA 451 Health Care of the Aged (3)**
Detailed review of current and future issues in the delivery of health care services to the aged for interdisciplinary students. Three hours of lecture per week. Prerequisites: HSHA 211, HSHA 363, PA 311, and PA 312 or consent of the instructor.

HEALTH INFORMATION MANAGEMENT COURSES

- HSMR 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.
- HSMR 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.
- HSMR 363L Basic Foundations Laboratory (2)**
Designed to simulate a health information department with the activities of health information management. Concurrent enrollment in HSMR 363 required. Six hours of laboratory per week.
- HSMR 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: HSMR 362, HSMR 363, HSMR 363L, HSMR 365, and HSMR 366.
- HSMR 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: HSMR 362, HSMR 363, HSMR 363L, HSMR 365, and HSMR 366.
- HSMR 365 Directed Practice I (2)**
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.
- HSMR 366 Legal Aspects (2)**
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.
- HSMR 373 Basic Foundations II (2)**
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: HSMR 363 and HSMR 363L.

- HSMR 374 Management of Health Data II (2)**
Clinical coding procedures, outpatient coding, statistics, and reporting guidelines. Two hours of lecture per week. Prerequisites: HSMR 362, HSMR 363, HSMR 363L, HSMR 364, HSMR 365, and HSMR 366.
- HSMR 401 In-Service Training for Health Information Managers (1)**
Presentation of in-service training tools and techniques. One hour of lecture per week. Prerequisite: HSMR 479.
- HSMR 402 Comprehensive Health Information Management (1)**
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 HSMR courses, except HSMR 476 and HSMR 478.
- HSMR 473 Quality Assurance Management (3)**
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: HSMR 362, HSMR 363, HSMR 363L, HSMR 364, HSMR 365, and HSMR 366.
- HSMR 474 Computerized Health Information Systems (3)**
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: HSMR 362, HSMR 363, HSMR 363L, HSMR 364, HSMR 365, and HSMR 366.
- HSMR 475 Directed Practice II (3)**
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: HSMR 362, HSMR 363, HSMR 363L, HSMR 364, HSMR 365, and HSMR 366.
- HSMR 476 Preceptorship (4)**
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.
- HSMR 477 Management of Health Information Systems (4)**
Theories of managerial concepts and control mechanisms as applied to health information systems. Four hours of lecture per week. Prerequisites: All HSMR courses through HSMR 475.
- HSMR 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.
- HSMR 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 HSMR courses through HSMR 475.

MEDICAL TECHNOLOGY COURSES

- HSMT 252 Serology Practices and Procedures (3)**
Study of the immune system, its cellular and non-cellular products, and serological tests to detect and identify these products and associated pathogens. Two hours of lecture and two hours of laboratory per week. Prerequisites: CHEM 232.

- HSMT 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.
- HSMT 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.
- HSMT 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, HSMT 304, and HSMT 305.
- HSMT 352** **Hematology I** (4)
 Study of cellular elements of blood in normal/abnormal states of diagnostic importance with laboratory experiences for enumeration by direct observation and electronic instruments. Two hours of lecture and four hours of laboratory per week. Prerequisites: HSMT 252.
- HSMT 353** **Clinical Microscopy and Quality Control** (4)
 Comprehensive exploration of principles and testing procedures used to diagnose and monitor diseases relevant to the renal system, including systemic diseases and dysfunctions. Two hours of lecture and four hours of laboratory per week. Prerequisite: Consent of Program Director.
- HSMT 354** **Immunoematology I** (3)
 First part of a two-part sequence focusing on the role of antigens and antibodies in transfusion therapy practices and relevant testing practices and procedures. Two hours of lecture and three hours of laboratory per week. Prerequisites: HSMT 252, HSMT 353 or concurrent enrollment.
- HSMT 355** **Medical Chemistry I** (3)
 Lecture and laboratory experiences to determine the body's chemistry using manual and automated methodologies for determination of disease processes. Two hours of lecture and three hours of laboratory per week. Prerequisites: HSMT 252, HSMT 353, HSMT 356 or concurrent enrollment, and CHEM 232 or equivalent.
- HSMT 356** **Hemostatic Processes** (4)
 Study of abnormalities leading to the formation of a defective thrombus, including enumeration of platelets and evaluation of hemostatic parameters. Two hours of lecture and four hours of laboratory per week. Prerequisites: HSMT 252, and HSMT 353 or consent of Program Director.
- HSMT 357** **Practicum I** (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.
- HSMT 358** **Clinical Immunology** (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.

HSMT 359	Microbial Human Disorders I 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: BIOL 347, BIOL 454, HSMT 252, HSMT 353, and HSMT 356.	(3)
HSMT 362	Hematology II Study of the cellular elements of blood (formation, function, and morphology) in diseases that lead to the definition, diagnosis, and validity of test results. One hour of lecture and four hours of laboratory per week. Prerequisites: HSMT 352 and HSMT 353.	(3)
HSMT 364	Immunoematology II Continuation of HSMT 354 with emphasis on antibody assessments, crossmatching techniques, component therapy, transfusion-associated diseases, problem solving techniques, and quality assurance procedures. Two hours of lecture and four hours of laboratory per week. Prerequisites: HSMT 354.	(3)
HSMT 365	Medical Chemistry II Evaluation of chemical parameters to establish the relationship between the disease state and chemical variations from normal. Two hours of lecture and four hours of laboratory per week. Prerequisites: HSMT 355.	(3)
HSMT 369	Microbial Human Disorders II 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. Prerequisites: HSMT 359.	(2)
HSMT 466	Clinical Hematology 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: Senior standing and consent of the Program Director.	(4)
HSMT 467	Blood Bank 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: Senior standing and consent of the Program Director.	(4)
HSMT 468	Clinical Microbiology 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: Senior standing and consent of the Program Director.	(4)
HSMT 469	Clinical Biochemistry 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: Senior standing and consent of the Program Director.	(4)

RESPIRATORY THERAPY COURSES

HSRT 220	Respiratory Therapy Clinical Practicum 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.	(2)
HSRT 222	Developmental Practicum in Clinical Applications 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. Corequisite: HSRT 232.	(2)

- 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. Six hours of laboratory per week. Prerequisites: HSRT 222 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. Corequisite: HSRT 331.
- 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. Six hours of laboratory per week. Corequisite: HSRT 332.
- 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. Six hours of laboratory per week. Corequisite: HSRT 333.
- HSRT 325** **Pediatric Clinical Practicum** (2)
Procedures and treatment modalities utilized in the clinical management of neonatal and pediatric patients. Twelve hours of laboratory per week. Corequisite: HSRT 340.
- HSRT 330** **Applied Procedures and Equipment** (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. 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. Corequisite: HSRT 321.
HSRT 332	Applied Procedures and Equipment (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. Corequisite: HSRT 322.
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. Corequisite: HSRT 323.
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 230 or HSRT 231.
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. 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. Two hours of lecture and six hours of laboratory per week. Prerequisites: Completion of all other professional HSRT courses and consent of the Program Director.

Bachelor of Science in Environmental Health 4 Year Plan
Total Credits: 147 Degree plan- By Level and Sequence

First Year					
First Semester			Second Semester		
CH	Grade		CH	Grade	
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		MATH 134 Plane Trigonometry	3	
Visual & Performing Arts *	3		SOC 157 Sociology	3	
	17 hrs			17 hrs	

Second Year					
Third Semester			Fourth Semester		
CH	Grade		CH	Grade	
CHEM 211 Organic Chemistry I Lab	1		POLS 232 American Political Systems II	3	
CHEM 231 Organic Chemistry I Lec	3		CHEM 212 Organic Chemistry Lab II	1	
POLS 231 American Political Systems I	3		CHEM 232 Organic Chemistry Lec II	3	
HIST 231 Social & Political History of the United States to 1877	3		SC 233 Speech Communication	3	
ENG 230-244 English Literature	3		PHYS 214 College Physics Lab I	1	
PHYS 213 College Physics Lab I	1		PHYS 238 College Physics Lec II	3	
PHYS 237 College Physics Lec	3		CS 116 Computer Introduction	3	
	17 hrs			17hrs	

Summer					
Summer One			Summer Two		
CH	Grade		CH	Grade	
HSCR 150 Concepts of Health	3		HIST 232 Social & Political History of the United States to 1877	3	
HSCR 260 Biomedical Ethics	3				
	6 hrs			3 hrs	

Third Year					
Fifth Semester			Sixth Semester		
CH	Grade		CH	Grade	
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	
BIOL 245 Human Anatomy and Physiology	4				
	18 hrs			16 hrs	

Summer					
Summer One			Summer Two		
CH	Grade		CH	Grade	
HSEH 460 Environmental Internship	3		HSEH 460 Environmental Internship	3	
HSCR 360 Principles of Disease	3		HSEH 434 Sewage Treatment and Disposal	3	
	6 hrs			6 hrs	

Fourth Year					
Seventh Semester	CH	Grade	Eighth Semester	CH	Grade
HSMT 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	3		HSEH 451 Environmental Impact Assessment	3	
	12 hrs			12 hrs	

* Visual and Performing Arts: THC 130, 231, MUSIC 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

Bachelor of Science in Environmental Health 5 Year Plan
Total credits:147 Degree plan- By Level and Sequence

First Year					
First Semester			Second Semester		
CH	Grade		CH	Grade	
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	
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	
MATH 133 College Algebra	3		SOC 157 Sociology	3	
ENG 131 Freshman English	3		ENG 132 Freshman English II	3	
	14 hrs			14 hrs	

Summer					
Summer One			Summer Two		
CH	Grade		CH	Grade	
MATH 134 Plane Trigonometry	3				
Visual & Performing Arts *	3				
	6 hrs				

Second Year					
Third Semester			Fourth Semester		
CH	Grade		CH	Grade	
CHEM 211 Organic Chemistry I Lab	1		POLS 232 American Political Systems II	3	
CHEM 231 Organic Chemistry I Lec	3		CHEM 212 Organic Chemistry Lab II	1	
POLS 231 American Political Systems I	3		CHEM 232 Organic Chemistry Lec II	3	
PHYS 237 College Physics Lec	3		SC 233 Speech Communication	3	
ENG 230-244 English Literature	3		PHYS 214 College Physics Lab I	1	
PHYS 213 College Physics Lab I	1		PHYS 238 College Physics Lec II	3	
	14 hrs			14 hrs	

Summer					
Summer One			Summer Two		
CH	Grade		CH	Grade	
HIST 231 Social & Political History of the United States to 1877	3		HIST 232 Social & Political History of the United States to 1877	3	
CS 116 Computer Introduction	3				
	6 hrs			3 hrs	

Third Year					
Fifth Semester			Sixth Semester		
CH	Grade		CH	Grade	
HSEH 233 Epidemiology & Biostatistics	4		HSCR 150 Concepts of Health	3	
HSEH 235 Human Ecology	3		HSEH 232 Introduction to Environmental Health	3	
HSCR 260 Biomedical Ethics	3		BIOL 245 Human Anatomy and Physiology	4	
			HSEH 344 Environmental Chemistry	4	
	10 hrs			14 hrs	

Fourth year					
Seventh Semester			Eighth Semester		
CH	Grade		CH	Grade	
HSEH 337 Environmental Microbiology	4		HSMT 334 Public Health Organization and Administration	3	
HSEH 338 Water Pollution and Control	3		HSEH 339 Air Pollution and Control	3	
HSCR 360 Principles of Disease	3		HSEH 442 Occupational Safety and Health	3	
HSEH 234 Health Physics	3		HSEH 450 Environmental Toxicology	3	
			HSEH 425 Insect and Vector Control	3	
	13 hrs			15 hrs	

Fifth Year					
Ninth Semester	CH	Grade	Tenth Semester	CH	Grade
HSEH 431 Solid Waste Management	3		HSEH 434 Sewage Treatment and Disposal	3	
HSEH 432 Hazardous Waste Management	3		HSEH 433 Institutional Health and Safety	3	
HSEH 435 Environmental Health Problems	3		HSEH 460 Environmental Internship	6	
HSEH 451 Environmental Impact Assessment	3				
	12 hrs			12 hrs	

* Visual and Performing Arts: THC 130, 231, MUSIC 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

Bachelor of Science in Environmental Health 6 Year Plan
Total Credits: 147 Degree plan- By Level and Sequence

First year					
First Semester			Second Semester		
CH	Grade		CH	Grade	
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	
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	
MATH 133 College Algebra	3		SOC 157 Sociology	3	
	11 hrs			11 hrs	

Summer					
Summer One			Summer Two		
CH	Grade		CH	Grade	
ENG 131 Freshman English	3		ENG 132 Freshman English II	3	
Visual & Performing Arts *	3		MATH 134 Plane Trigonometry	3	
	6 hrs			6 hrs	

Second Year					
Third Semester			Fourth Semester		
CH	Grade		CH	Grade	
CHEM 211 Organic Chemistry I Lab	1		CHEM 212 Organic Chemistry Lab II	1	
CHEM 231 Organic Chemistry I Lec	3		CHEM 232 Organic Chemistry Lec II	3	
ENG 230-244 English Literature	3		SC 233 Speech Communication	3	
PHYS 213 College Physics Lab I	1		PHYS 214 College Physics Lab I	1	
PHYS 237 College Physics Lec	3		PHYS 238 College Physics Lec II	3	
			CS 116 Computer Introduction	3	
	11 hrs			14 hrs	

Summer					
Summer One			Summer Two		
CH	Grade		CH	Grade	
HIST 231 Social & Political History of the United States to 1877	3		HIST 232 Social & Political History of the United States to 1877	3	
POLS 231 American Political Systems I	3		POLS 232 American Political Systems II	3	
	6 hrs			6 hrs	

Third Year					
Fifth Semester			Sixth Semester		
CH	Grade		CH	Grade	
HSEH 233 Epidemiology & Biostatistics	4		HSCR 150 Concepts of Health	3	
HSEH 235 Human Ecology	3		HSEH 232 Introduction to Environmental Health	3	
HSCR 260 Biomedical Ethics	3		BIOL 245 Human Anatomy and Physiology	4	
			HSEH 344 Environmental Chemistry	4	
	10 hrs			14 hrs	

Fourth Year					
Seventh Semester			Eighth Semester		
CH	Grade		CH	Grade	
HSEH 234 Health Physics	3		HSMT 334 Public Health Organization and Administration	3	
HSEH 338 Water Pollution and Control	3		HSEH 339 Air Pollution and Control	3	
HSCR 360 Principles of Disease	3		HSEH 337 Environmental Microbiology	4	
	9 hrs			10 hrs	

Fifth Year					
Ninth Semester		CH	Grade	Tenth Semester	
HSEH 431 Solid Waste Management		3		HSEH 425 Insect and Vector Control	
HSEH 432 Hazardous Waste Management		3		HSEH 435 Environmental Health Problems	
HSEH 433 Institutional Health Safety		3		HSEH 434 Sewage Treatment and Disposal	
		9 hrs			
				9 hrs	

Sixth Year					
Eleventh Semester		CH	Grade	Twelfth Semester	
HSEH 442 Occupational Safety and Health				HSEH 460 Internship	
HSEH 450 Environmental Toxicology		3		HSEH 451 Environmental Impact Assessment	
		6 hrs			
				9 hrs	

* Visual and Performing Arts: THC 130, 231, MUSIC 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

Bachelor of Science Degree in Health Administration
Total Credits: 128 Four Year Plan

First Year					
First Semester	CH	Grade	Second Semester	CH	Grade
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 Bio 131 Biology Lec	3		CHEM 132 General Chemistry Lec or Bio 132 Biology Lec	3	
MATH 133 College Algebra	3		CS 116 Introduction to Computer	3	
ENG 131 Freshman English I	3		MATH 134 College Algebra II	3	
PE 101-125 Physical Education	1		ENG 132 Freshman English II	3	
HSCR 150 Concepts of Health	3		PE 101-125 Physical Education	1	
PSY 131 Psychology	3		HIST 231 Social & Political History of the United States to 1877	3	
	17 hrs			17 hrs	

Second Year					
Third Semester	CH	Grade	Fourth Semester	CH	Grade
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	
			PS 232 American Political Systems II	3	
	15 hrs			16 hrs	

Third Year					
Fifth Semester	CH	Grade	Sixth Semester	CH	Grade
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	Grade	Eighth Semester	CH	Grade
HSHA 412 Legal, Ethical and Biomedical Aspects of Health Care	3		HSHA 411 Health Administration Internship, Section I and II	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	

Bachelor of Science Degree in Health Administration
Total Credits: 128 Five Year Plan

First Year					
First Semester	CH	Grade	Second Semester	CH	Grade
CHEM 111 General Chemistry Lab or BIOL 121 Biology Lab	1		CHEM 112 General Chemistry Lab or BIOL 122 Biology Lab	1	
CHEM 131 General Chemistry Lec or Bio 131 Biology Lec	3		CHEM 132 General Chemistry Lec or Bio 132 Biology Lec	3	
MATH 133 College Algebra	3		MATH 134 College Algebra	3	
ENG 131 Freshman English	3		ENG 132 Freshman English II	3	
PSY 131 Psychology	3		PE 101-125 Physical Education	1	
PE 101-125 Physical Education	1		HSCR 150 Concepts of Health	3	
	14 hrs			14 hrs	

Second Year					
Third Semester	CH	Grade	Fourth Semester	CH	Grade
HSHA 211 Health Information Systems	3		HSCR 260 Biomedical Ethics	1	
ENG 230 or 244 Level English Literature	3		HSCR 300 Health Science Seminar	3	
POLS 231 American Political Systems I	3		HSHA 262 Public Policy & Health Care	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	
			SC 233 or 135 Communication Skills for Health Professionals or Business and Professional Communication	3	
			POLS 232 American Political Systems II	3	
	12 hrs			16 hrs	

Third Year					
Fifth Semester	CH	Grade	Sixth Semester	CH	Grade
CS 116 Introduction to Computer	3		HSHA 312 Health administration In School Systems	3	
ART 131 or 132 Drawings & Composition	3		HSHA 313 Health Care of the Poor	3	
PA 271 Introduction to Public Administration	3		HSHA 361 Long Term Care	3	
HSCR 360 Principles of Disease	3		PA 301 Research Methods in PA	3	
		12 hrs			12 hrs

Fourth year					
Seventh Semester	CH	Grade	Eighth Semester	CH	Grade
HSCR 361 Research for Health Professionals	3		HSHA 413 Legal, Ethical and Biomedical Aspects of Health Care	3	
HSHA 314 Finance and Economics for Health Care	3		HSHA 413 Seminars in Comm. Health	3	
PA 302 Quantitative Methods in PA	3		HSHA 414 Seminar in Issues in HC	3	
PA 311 Introduction to Public Sector Planning	3		HSHA 451 Health Care of the Aged	3	
			PA 321 Personnel Administration	3	
	12 hrs			15 hrs	

Fifth Year					
Ninth Semester	CH	Grade	Tenth Semester	CH	Grade
HSHA 363 Ambulatory Health Care	3		Free Elective	3	
PA 313 Organization Behavior Management	3		HSHA 411 Health Administration Internship, Section I and II	6	
PA 312 Public Budgeting	3				
Free Elective	3				
	12 hrs			9 hrs	

Bachelor of Science Degree in Health Administration
Total Credits: 128 6 Year plan

First year					
First Semester	CH	Grade	Second Semester	CH	Grade
CHEM 111 General Chemistry Lab or BIOL 121 Biology Lab	1		PE 101-125 Physical Education	1	
CHEM 131 General Chemistry Lec or BIOL 131 Biology Lec	3		CS 116 Introduction to Computer	3	
MATH 133 College Algebra	3		HSCR 150 Concepts of Health	3	
ENG 131 Freshman English I	3		PSY 131 Psychology	3	
PE 101-125 Physical Education	1				
	11 hrs			10 hrs	
Second Year					
Third Semester	CH	Grade	Fourth Semester	CH	Grade
CHEM 112 General Chemistry Lab or BIOL 122 Biology Lab	1		HIST 231 Social & Political History of the United States to 1877	3	
CHEM 132 General Chemistry Lec or BIOL 132 Biology Lec	2		ENG 230 or 244 Level English Literature	3	
ENG 132 Freshman English II	3		HSOA 211 Health Information Systems	3	
MATH 134 College Algebra II	3		HSCR 300 Health Science Seminar	1	
	9 hrs			10 hrs	
Third Year					
Fifth Semester	CH	Grade	Sixth Semester	CH	Grade
POLS 231 American Political Systems I	3		HSOA 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	
HSCR 260 Biomedical Ethics	3		POLS 232 American Political Systems II	3	
	12 hrs			12 hrs	
Fourth Year					
Seventh Semester	CH	Grade	Eighth Semester	CH	Grade
HSCR 360 Principles of Disease	3		PA 301 Research Methods in PA	3	
HSOA 312 Health administration In School Systems	3		HSOA 314 Finance and Economics for Health Care	3	
HSOA 313 Health Care of the Poor	3		HSCR 361 Research for Health Professionals	3	
HSOA 361 Long Term Care	3		PA 311 Introduction to Public Sector Planning	3	
	12 hrs			12 hrs	
Fifth Year					
Ninth Semester	CH	Grade	Tenth Semester	CH	Grade
HSOA 363 Ambulatory Health Care	3		PA 313 Organization Behavior Management	3	
PA 302 Quantitative Methods in PA	3		HSOA 412 Legal, Ethical and Biomedical Aspects of Health Care	3	
PA 312 Public Budgeting	3		HSOA 413 Seminars in Comm. Health	3	
	9 hrs			9 hrs	
Sixth Year					
Eleventh Semester	CH	Grade	Twelfth Semester	CH	Grade
HSOA 414 Seminar in Issues in HC	3		HSOA 411 Health Administration Internship, Section I and II	6	
HSOA 451 Health Care of the Aged	3		Free Elective	3	
PA 321 Personnel Administration	3				
Free Elective	3				
	12 hrs			9 hrs	

Bachelor of Science Degree in Health Information Management
Accredited by the American Health Information Management Association
Four Year Degree Plan 135 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	
	19 hrs			19 hrs	

Second Year					
Third Semester			Fourth Semester		
BIO 135 Human Anatomy and Physiology	4		BIO 136 Human Anatomy and Physiology II	4	
HSCR 260 Biomedical Ethics	3		POLS 232 American Political Systems II	3	
ENG 230-241 English Literature	3		MS 239 Management Science Statistics	3	
SPEECH 233 Speech for Health Professionals	3		BIO 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	
HSMR 362 Medical Terminology	3		HSMR 364 Management of Health Data I	3	
HSMR 363 Basic Foundations I Lecture	3		HSMR 364L Management of Health Data Lab	2	
HSMR 363L Basic Foundations I Lab	2		HSMR 365 Directed Practice I	2	
HSMR 373 Basic Foundations II	2		HSMR 366 Legal Aspects	2	
			Elective	3	
	16hrs			18hrs	

Fourth Year					
Seventh Semester			Eighth Semester		
HSMR 374 Management Health Data II	2		HSMR 402 Comprehensive HIM	1	
HSMR 401 In-Service Training for HIM	1		HSMR 476 Preceptorship	4	
HSMR 473 Quality Assurance Management	3		HSMR 477 Management of Info. Systems	4	
HSMR 474 Computerized Health Info. System	3		HSMR 478 Problems in Medical records	2	
HSMR 475 Directed Practice II	3		HSMR 479 Health Info. Personnel Mgmt.	3	
Elective	3		Elective	3	
	15hrs			17hrs	

Bachelor of Science Degree in Health Information Management
Accredited by the American Health Information Management Association
Five Year Degree Plan 135 credit hours

First Year					
First Semester			Second Semester		
BIOL 131/111 Biology Lecture/Lab	4		HSCR 150 Concepts of Health	3	
ENG English 131	3		BIOL 132/112 Biology Lecture/Lab	4	
Math 133 College Algebra	3		ENG 132 Freshman English	3	
HIST 231 Social and Political History US	3		Math 134 Trigonometry	3	
Performing Arts 130 Music Theatre, Art	3		CS 116 Introduction to Computers	3	
	16 hrs			16 hrs	

Second Year					
Third Semester			Fourth Semester		
PSY 131 General Psychology	3		Speech 233 Speech for Health Professionals	3	
POLS 231 American Political Systems I	3		POLS 232 American Political Systems II	3	
BIO 135 Human Anatomy and Physiology	4		BIO 136 Human Anatomy and Physiology II	4	
HSCR 260 Biomedical Ethics	3		HIST 232 Social and Political History US	3	
ENG 230-241 English Literature	3		MS 239 Management Science Statistics	3	
	16hrs			16hrs	

Third Year					
Fifth Semester			Sixth Semester		
BIO 246 Microbiology	4		HSMR 363 Basic Foundations I Lecture	3	
HSCR 300 Health Science Seminar	1		HSMR 363L Basic Foundations I Lab	2	
HSCR 360 Principles of Disease	3		HSMR 373 Basic Foundations II	2	
HSMR 362 Medical Terminology	3		HSMR 366 Legal Aspects	2	
			MGMT 300 Business Organization	3	
	11 hrs			12 hrs	

Fourth year					
Seventh Semester			Eighth Semester		
MGMT 301 Personnel and Manpower	3		HSMR 374 Management Health Data II	2	
HSCR 361 Research for Health Professionals	3		HSMR 401 In-Service Training for HIM	1	
HSMR 364 Management of Health Data I	3		HSMR 473 Quality Assurance Management	3	
HSMR 364L Management of Health Data Lab	2		HSMR 474 Computerized Hlth Info. System	3	
HSMR 365 Directed Practice I	2		Elective	3	
	13hrs			12hrs	

Fifth Year					
Ninth Semester			Tenth Semester		
HSMR 475 Directed Practice II	3		HSMR 476 Preceptorship	4	
HSMR 477 Management of Info. Systems	4		HSMR 402 Comprehensive HIM	1	
HSMR 479 Health Info. Personnel Mgmt.	3		HSMR 478 Problems in Medical records	2	
Elective	3		Elective	3	
	13hrs			10hrs	

Bachelor of Science Degree in Health Information Management
Accredited by the American Health Information Management Association
Six Year Degree Plan 135 credit hours

First year					
First Semester			Second Semester		
BIOL 131/111 Biology Lecture/Lab	4		Performing Arts 130 Music Theatre, Art	3	
ENG English 131	3		HSCR 150 Concepts of Health	3	
Math 133 College Algebra	3		BIOL 132/112 Biology Lecture/Lab	4	
HIST 231 Social and Political History US	3		ENG 132 Freshman English	3	
	13 hrs			13 hrs	

Second Year					
Third Semester			Fourth Semester		
Math 134 Trigonometry	3		BIO 135 Human Anatomy and Physiology	4	
CS 116 Introduction to Computers	3		HSCR 260 Biomedical Ethics	3	
PSY 131 General Psychology	3		ENG 230-241 English Literature	3	
HIST 232 Social and Political History US	3		Speech 233 Speech for Health Professionals	3	
	12hrs			13hrs	

Third Year					
Fifth Semester			Sixth Semester		
POLS 231 American Political Systems I	3		POLS 232 American Political Systems II	3	
BIO 136 Human Anatomy and Physiology II	4		HSCR 300 Health Science Seminar	1	
HSCR 360 Principles of Disease	3		BIO 246 Microbiology	4	
MS 239 Management Science Statistics	3		HSMR 362 Medical Terminology	3	
	13 hrs			11hrs	

Fourth Year					
Seventh Semester			Eighth Semester		
HSMR 363 Basic Foundations I Lecture	3		MGMT 300 Business Organization	3	
HSMR 363L Basic Foundations I Lab	2		HSMR 364 Management of Health Data I	3	
HSMR 366 Legal Aspects	2		HSMR 364L Management of Health Data Lab	2	
HSMR 373 Basic Foundations II	2		HSMR 365 Directed Practice I	2	
	9hrs			10hrs	

Fifth Year					
Ninth Semester			Tenth Semester		
MGMT 301 Personnel and Manpower	3		HSMR 401 In-Service Training for HIM	1	
HSCR 361 Research for Health Professionals	3		HSMR 473 Quality Assurance Management	3	
HSMR 374 Management Health Data II	2		HSMR 474 Computerized Hlth Info. System	3	
HSMR 475 Directed Practice II	3		Elective	3	
	11hrs			10hrs	

Sixth Year					
Eleventh Semester			Twelfth Semester		
HSMR 477 Management of Info. Systems	4		HSMR 402 Comprehensive HIM	1	
HSMR 479 Health Info. Personnel Mgmt.	3		HSMR 476 Preceptorship	4	
Elective	3		HSMR 478 Problems in Medical records	3	
	10hrs		Elective	8hrs	

Bachelor of Science in Clinical Laboratory Science/ Medical Technology
Degree plan- Total Credit 136
Four Year Plan

First Year					
First Semester			Second Semester		
CH	Grade		CH	Grade	
CHEM 111 General Chemistry I Lab	1		BIOL 132 Biological Science II Lec	3	
CHEM 131 General Chemistry I Lec	3		CHEM 112 General Chemistry II Lab	1	
MATH 133 College Algebra	3		CHEM 132 General Chemistry II Lec	3	
ENG 131 Freshman English I	3		CS 116 Computer Science	3	
BIOL 131 Biological Science I Lec	3		ENG 132 Freshman English II	3	
HSCR 150 Concepts of Health	3		PSY 131 Psychology **	3	
SC 135 or 136 Speech Communication	3				
	19 hrs			16 hrs	

Second Year					
Third Semester			Fourth Semester		
CH	Grade		CH	Grade	
CHEM 211 Organic Chemistry I Lab	1		POLS 232 American Political Systems II	3	
CHEM 231 Organic Chemistry I Lec	3		BIOL 347 Microbiology Lec/ Lab	4	
BIOL 245 Human Anatomy & Physiology	4		ENG 200 Level English Literature	3	
POLS 231 American Political Systems I	3		CHEM 232/212L Organic Chemistry II or CHEM 445/455L Biochemistry	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	
Visual & Performing Arts *	3				
	17 hrs			17 hrs	

Summer					
Summer			Summer		
CH	Grade		CH	Grade	
HSCR 360 Principles of Disease	3				
HSCR 260 Biomedical Ethics	3				
	6hrs				

Third Year					
Fifth Semester			Sixth Semester		
CH	Grade		CH	Grade	
HSMT 353 Clinical Microscopy & Quality Control Lec/Lab	4		HSMT 252 Serology Practices & Procedures Lec/Lab	3	
HSMT 304 Medical Tech Applications I	1		HSMT 305 Medical Tech Applications II	1	
HSMT 352 Hematology I Lec/Lab	4		HSMT 362 Hematology II Lec/Lab	3	
HSMT 354 Immunohematology I Lec/Lab	3		HSMT 364 Immunohematology II Lec/Lab	3	
HSMT 355 Medical Chemistry I Lec/Lab	3		HSMT 365 Medical Chemistry II Lec/Lab	3	
HSMT 359 Microbial Human Disorders I Lec/Lab	3		HSMT 369 Microbial Human Disorders II Lec/Lab	2	
	18 hrs			15 hrs	

Summer					
Summer			Summer		
CH	Grade		CH	Grade	
HSMT Haemostatic Processes	4				
	4 hrs				

Fourth Year					
Seventh Semester	CH	Grade	Eighth Semester	CH	Grade
HSMT 306-(MGMT) Health Sciences Seminar	1		HSMT 306- (Research) Comprehensive Medical technology	1	
HSMT 357 Clinical Practicum I	3		HSMT 358 Clinical Immunology	2	
HSMT 467 Clinical Blood Bank	4		HSMT 466 Clinical Hematology	4	
HSMT 469 Clinical Biochemistry	4		HSMT 468 Clinical Microbiology	4	
			HSCR 300 Health Science Seminar	1	
	12 hrs			12 hrs	

* Either one of the following: THC 130, 231, MUSIC 131, 239, ART 131, 132

** Social and behavioral Sciences requirements maybe fulfilled by either of the following: Soc 157, Soc 158, Soc 231, Eco 231, Eco 232

Internship (last Year) is restricted to students who have satisfied ALL program requirements and who have been approved for assignment

LISTED COURSES

CHEM 231/232 L

BIOL 245

SUBSTITUTED COURSE

CHEM 445

BIOL 135 &136 or BIOL 344

Bachelor of Science in Clinical Laboratory Science/ Medical Technology
Degree plan- Total Credits 136
Five Year Plan

First Year					
First Semester			Second Semester		
CH	Grade		CH	Grade	
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	
HSCR 150 Concepts of Health	3		MATH 131 College Algebra	3	
BIOL 131 Biological Science I Lec	3		BIOL 132 Biological Science II Lec	3	
ENG 131 Freshman English	3		SC 135 or 136 Speech Communication	3	
	13 hrs			13 hrs	

Second Year					
Third Semester			Fourth Semester		
CH	Grade		CH	Grade	
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	
POLS 231 American Political Systems I	3		POLS 232 American Political Systems II	3	
ENG 132 Freshman English II	3		HIST 231 Social & Political History of the United States to 1877	3	
CS 116 Computer Science I Lec	3		PSY 131 Psychology **	3	
	13 hrs			13 hrs	

Third Year					
Fifth Semester			Sixth Semester		
CH	Grade		CH	Grade	
BIOL 254 Human Anatomy & Physiology	4		HSMT 304 Medical Tech. Application I	1	
ENG 2xx Upper Level English	3		HSCR 360 Principles of Disease	3	
HIST 232 Social & Political History of the United States to 1877	3		HSMT 353 Clinical Microscopy and Quality Control	4	
BIOL 347 Microbiology Lec/Lab	4		HSCR 260 Biomedical Ethics	3	
			Visual & Performing Arts *	3	
	14 hrs			14 hrs	

Fourth year					
Seventh Semester			Eighth Semester		
CH	Grade		CH	Grade	
HSMT 252 Serology Practice & Procedure	3		HSMT 362 Hematology II	3	
HSMT 305 Medical Tech Application II	1		HSMT 364 Immunohematology II	3	
HSMT 352 Hematology I	4		HSMT 356 Hemostatic Processes	4	
HSMT 354 Immunohematology I	3		HSMT 365 Medical Chemistry II	3	
HSMT 355 Medical Chemistry I	3		HSMT 369 Microbial Human Disorders II	2	
HSMT 359 Microbial Human Disorder I	3				
	17 hrs			15 hrs	

Fifth Year					
Ninth Semester			Tenth Semester		
CH	Grade		CH	Grade	
HSMT 306-(MGMT) Health Sciences Seminar	1		HSCR 300 Health Sciences Seminar	1	
HSMT 357 Clinical Practicum I	3		HSMT 306 Comprehensive Medical Tech.	1	
HSMT 467 Clinical Blood Bank	4		HSMT 358 Clinical Immunology	2	
HSMT 469 Clinical Biochemistry	4		HSMT 466 Clinical Hematology	4	
			HSMT 468 Clinical Microbiology	4	
	12 hrs			12 hrs	

* Either one of the following: THC 130, 231, MUSIC 131, 239, ART 131, 132

** Social and behavioral Sciences requirements maybe fulfilled by either of the following: Soc 157, Soc 158, Soc 231, Eco 231, Eco 232

Internship (last Year) is restricted to students who have satisfied ALL program requirements and who have been approved for assignment

LISTED COURSES

CHEM 231/232 L

BIOL 245

SUBSTITUTED COURSE

CHEM 445

BIOL 135 &136 or BIOL 344

Bachelor of Science in Clinical Laboratory Science/ Medical Technology
Degree plan- Total Credits 136
Six Year Plan

First year					
First Semester			Second Semester		
CH	Grade		CH	Grade	
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	
HSCR 150 Concepts of Health	3		MATH 133 College Algebra	3	
ENG 131 Freshman English I	3		ENG 132 Freshman English II	3	
	10 hrs			10 hrs	

Second Year					
Third Semester			Fourth Semester		
CH	Grade		CH	Grade	
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	
POLS 231 American Political Systems I	3		POLS 232 American Political Systems II	3	
ENG 2xx Upper level English	3		CS 116 Computer Science I Lec	3	
	10 hrs			10 hrs	

Third Year					
Fifth Semester			Sixth Semester		
CH	Grade		CH	Grade	
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	
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3		HSCR 260 Biomedical Ethics	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	
	10 hrs			10 hrs	

Fourth Year					
Seventh Semester			Eighth Semester		
CH	Grade		CH	Grade	
HSMT 304 Medical Tech Applications I	1		HSMT 305 Medical Tech Applications II	1	
BIOL 245 Human Anatomy & Physiology	4		HSMT 353 Clinical Microscopy & Quality Control Lec/Lab	4	
HSMT 252 Serology Practices & Procedures Lec/Lab	3		SC 135 or 136 Speech Communication	3	
PSY 131 or SOC 157 Intro to Psychology or Sociology	3		BIOL 347 Microbiology Lec/ Lab	4	
HSCR 360 Principles of Disease	3				
	14 hrs			12 hrs	

Fifth Year					
Ninth Semester			Tenth Semester		
CH	Grade		CH	Grade	
HSMT 352 Hematology I Lec/Lab	4		HSMT 362 Hematology II Lec/Lab	3	
HSMT 354 Immunohematology I Lec/Lab	3		HSMT 364 Immunohematology II Lec/Lab	3	
HSMT 355 Medical Chemistry I Lec/Lab	3		HSMT 365 Medical Chemistry II Lec/Lab	3	
HSMT 359 Microbial Human Disorders I Lec/Lab	3		HSMT 369 Microbial Human Disorders II Lec/Lab	2	
	13 hrs			11 hrs	

Sixth Year					
Eleventh Semester	CH	Grade	Twelfth Semester	CH	Grade
HSMT 306-(MGMT) Health Sciences Seminar	1		HSMT 306- (Research) Comprehensive Medical technology	1	
HSMT 357 Clinical Practicum I	3		HSMT 358 Clinical Immunology	2	
HSMT 467 Clinical Blood Bank	4		HSMT 466 Clinical Hematology	4	
HSMT 469 Clinical Biochemistry	4		HSMT 468 Clinical Microbiology	4	
			HSCR 300 Health Science Seminar	1	
	12 hrs			12 hrs	

Internship (last Year) is restricted to students who have satisfied ALL program requirements and who have been approved for assignment

LISTED COURSES

CHEM 231/232 L
BIOL 245

SUBSTITUTED COURSE

CHEM 445
BIOL 135 &136 or BIOL 344

Bachelor of Science Degree in Respiratory Therapy
 Accredited by (CoARC) Committee on Accreditation for Respiratory Care
 Approved Degree Plan – Total Credits: 147 Four Year Plan

First Year					
First Semester			Second Semester		
111 CHEM Lab I	1		112 CHEM Lab II	1	
131 CHEM I	3		132 CHEM II	3	
131 BIOL	3		132 BIOL	3	
131 ENG	3		132 ENG	3	
133 MATH	3		134 MATH	3	
Visual and Performing Arts**see options below	3		212 PHARM	1	
PSY 131 Psychology	3		260 HSCR	3	
Total semester credits	19		Total semester credits	17	

APPLICATION PERIOD (Sept. –Nov)

PROFESSIONAL PHASE

Second Year					
Third Semester			Fourth Semester		
2__ENG	3		220 HSRT	2	
231 POLSC	3		230 HSRT	3	
231 HIST	3		231 HSRT	3	
237 PHYS***	3		232 HIST	3	
245 BIOL	4		232 POLSC	3	
			238 PHYS***	3	
Total semester credits	16		Total semester credits	17	

Second Year					
Summer I			Summer II		
HSRT 222 Developmental Practicum in Clinical Development	2		150 HSCR	3	
HSRT 232 Intermediate Clinical Applications	3		116 CS	3	
Total semester credits	5 hrs		Total semester credits	6 hrs	

Third Year					
Fifth Semester			Sixth Semester		
320 HSRT	2		246 BIOL ***	4	
321 HSRT	2		300 HSCR	1	
325 HSRT	2		322 HSRT	2	
330 HSRT	3		323 HSRT	2	
331 HSRT	3		332 HSRT	3	
334 HSRT	3		333 HSRT	3	
340 HSRT	3		360 HSCR	3	
Total semester credits	18hrs		Total semester credits	18hrs	

Third Year					
Summer I					
HSRT 454 Critical Care and Internship	5				
HSRT 307	1				
	6 hrs				

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				
Total semester credits	13		Total semester credits	12	

TOTAL CURRICULUM CREDIT HOURS 147

* Visual and Performing Arts: (Select one) THC 130, 231, MUSIC 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.

Bachelor of Science Degree in Respiratory Therapy
Degree Plan - Total Credits: 147
Five Year Plan

First Year					
First Semester			Second Semester		
PHARM 212 Medical Terminology	1		English 132 Freshman English II	3	
HSCR 150 Concepts of Health	3		Visual and Performing Arts*	3	
PSY 131 Psychology	3		Speech Communication 233	3	
English 131 Freshman English I	3		HSCR 260 Biomedical Ethics	3	
Computer Science 116	3				
	13 hrs			12 hrs	

Second Year					
Third Semester			Fourth 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 131 Biological Science I Lec	3		BIOL 132 Biological Science II Lec	3	
HIST 231 Social & Political History of the United States to 1877	3		HIST 232 Social & Political History of the United States to 1877	3	
	13 hrs			13 hrs	

Third Year					
Fifth Semester			Sixth Semester		
BIOL 245 Human Anatomy and Physiology	4		HSRT 220 Respiratory Therapy Clinical Practicum	3	
POLS 231 American Political Systems I	3		HSRT 230 Introduction to Respiratory Therapy	2	
ENG 2xx Upper Level English	3		HSRT 231 Cardiopulmonary Systems	3	
PHYS 237 *** College Physics I	3		PHYS 238*** College Physics II	3	
			POLS 232 American Political Systems II	3	
	13 hrs			14 hrs	

Third Year					
Summer I					
HSRT 222 Developmental Practicum in Clinical Development	2				
HSRT 232 Intermediate Clinical Applications	3				
	5 hrs				

Fourth year					
Seventh Semester			Eighth Semester		
320 HSRT Applied Procedures & Equipment-Clinical Practicum III	2		BIOL 246*** Microbiology for Health Related Professions	4	
321 HSRT Respiratory Therapy Clinical Practicum IV	2		HSCR 300 Health Sciences Seminar	1	
325 HSRT Pediatric Clinical Practicum IV	2		HSRT 322 Respiratory Therapy Clinical Practicum V	2	
330 HSRT Applied Procedures & Equipment I	3		HSRT 323 Respiratory Therapy Clinical Practicum VI	2	
331 HSRT Theoretical & Applied Respiratory Therapy	3		HSRT 332 Applied Procedures and Equipment II	3	
HSRT 334 Respiratory Care Pharmacotherapy	3		HSRT 333 Cardiopulmonary Diseases	3	
HSRT 340 Neonatal/ Pediatric Respiratory Care	3		HSCR 360 Principles of Disease	3	
	18 hrs			18 hrs	

Bachelor of Science Degree in Respiratory Therapy
Degree Plan - Total Credits: 147
Six Year Plan

First Year					
First Semester			Second Semester		
PHARM 212 Medical Terminology	1		English 132 Freshman English II	3	
HSCR 150 Concepts of Health	3		Visual and Performing Arts*	3	
Psychology 131	3		Speech Communication 233	3	
English 131 Freshman English I	3		HSCR 260 Biomedical Ethics	3	
Computer Science 116	3				
	13 hrs			12 hrs	

Second Year					
Third Semester			Fourth 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 131 Biological Science I Lec	3		BIOL 132 Biological Science II Lec	3	
HIST 231 Social & Political History of the United States to 1877	3		HIST 232 Social & Political History of the United States to 1877	3	
	13 hrs			13 hrs	

Third Year					
Fifth Semester			Sixth Semester		
BIOL 245 Human Anatomy and Physiology	4		BIOL 246*** Microbiology for Health Related Professions	4	
HSCR 360 Principles of Disease	3		BIOL 460 Biostatistics	3	
	7 hrs			7 hrs	

Fourth Year					
Seventh Semester			Eighth Semester		
			HSRT 220 Respiratory Therapy Clinical Practicum	3	
POLS 231 American Political Systems I	3		HSRT 230 Introduction to Respiratory Therapy	2	
ENG 2xx Upper Level English	3		HSRT 231 Cardiopulmonary Systems	3	
PHYS 237 *** College Physics I	3		PHYS 238*** College Physics II	3	
			POLS 232 American Political Systems II	3	
	9 hrs			14 hrs	

Fourth Year					
Summer I					
HSRT 222 Developmental Practicum in Clinical Development	2				
HSRT 232 Intermediate Clinical Applications	3				
	5 hrs				

Fifth year				
Ninth Semester			Tenth Semester	
320 HSRT Applied Procedures & Equipment-Clinical Practicum III	2			
321 HSRT Respiratory Therapy Clinical Practicum IV	2		HSCR 300 Health Sciences Seminar	1
325 HSRT Pediatric Clinical Practicum IV	2		HSRT 322 Respiratory Therapy Clinical Practicum V	2
330 HSRT Applied Procedures & Equipment I	3		HSRT 323 Respiratory Therapy Clinical Practicum VI	2
331 HSRT Theoretical & Applied Respiratory Therapy	3		HSRT 332 Applied Procedures and Equipment II	3
HSRT 334 Respiratory Care Pharmacotherapy	3		HSRT 333 Cardiopulmonary Diseases	3
HSRT 340 Neonatal/ Pediatric Respiratory Care	3			
	18 hrs			11 hrs

Fifth Year				
Summer I				
HSRT 307 Respiratory Care Applications I	1			
HSRT 454 Critical Care and Internship	5			
	6 hrs			

Sixth Year				
Eleventh Semester			Twelfth Semester	
HSRT 308 Respiratory Care Applications II	1		HSRT 435 Electrocardiographic Technology	3
HSRT 440 Respiratory Therapy Management I	4		HSRT 441 Respiratory Therapy Management II	5
HSRT 420**Comprehensive Respiratory Care	2		HSRT 453 Cardiopulmonary Technology	4
	7 hrs			12 hrs

TOTAL CURRICULUM CREDIT HOURS 147

* Visual and Performing Arts: (Select one) THC 130, 231, MUSIC 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. Application 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 eight Departments: the Department of Biology, the Department of Chemistry, the Department of Computer Science, Department of Physics, the Department of Engineering Technologies, 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, nine undergraduate and six graduate degrees are offered. For detailed information on the five 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
Biology	Bachelor of Science in Biology	Master of Science in Biology
Chemistry	Bachelor of Science in Chemistry	Master of Science in Chemistry
Computer Science	Bachelor of Science in Computer Science	Master of Science in Computer Science
Engineering Technologies	Bachelor of Science in Engineering Technology	None
Industrial Technologies	Bachelor of Science in Industrial Technology	Master of Science in Industrial Technology
Mathematics	Bachelor of Science in Mathematics	Master of Science in Mathematics
Physics	Bachelor of Science in Physics	
Transportation Studies	Bachelor of Science in Airway Computer Science	Master of Science in Transportation Planning and Management
	Bachelor of Science in Airway Management Science	

Administratively, the College of Science and Technology is headed by a Dean who is assisted by an Assistant Dean. Each of the eight 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 three facilities designated as follows: Airway Science Center, Nabrit Science Center, and Leonard H. O. Spearman Technology Building on the Campus.

MISSION STATEMENT

The primary mission of the College of Science and Technology at Texas Southern University is to prepare students to be proficient in the basic sciences, mathematics, and technologies in order for them to pursue careers in business, education, research, government, and industry. Thus, the mission of the College in teaching, research, and service is:

1. To educate a diverse population in the sciences, mathematics, and technologies for the professions.
2. To conduct research and scholarly pursuits for the advancement of knowledge.
3. To serve society and the communities consistent with the mission of the University.

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. To maintain a quality research infrastructure in science and technology departments by supporting multidisciplinary research foci and individual faculty research pursuits and training.
2. To maintain the highest of faculty productivity in teaching and service by ensuring that instructional classrooms and laboratories are well equipped and supported with adequate materials and supplies.
3. To ensure quality in the undergraduate and graduate academic programs in the sciences and technologies by providing adequate instructional support along with qualified, experienced faculty.
4. To ensure the quality of student life and services in the science and technology departments by promoting student organizations, providing internship and cooperative education opportunities, and other exposures to career opportunities.
5. To ensure student academic success in science and technology majors by providing scholarships and other financial assistance, academic assistance and mentoring, and establishing retention and graduation rate objectives for science and technology departments.
6. To maintain a high visibility for faculty, staff, and students in the College of Science and Technology within academe, the research establishment, governmental/industrial/corporate organizations, and the public at large.

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 General University Academic Center (or GUAC) for advisement regarding the fulfillment of ASSET requirements and the department of choice in the College for additional advisement. Students may not officially declare majors until ASSET requirements have been fulfilled and identified deficiencies have been eradicated; however, they are eligible to enroll in some selected courses offered through the eight departments in the College once admitted. The eight 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 eight 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.

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.

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), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: (410)-347-7700. The undergraduate programs in the Department of Industrial Technologies are accredited by the National Association of Industrial Technology. The undergraduate programs in the Department of Transportation Studies are recognized by the Federal Aviation Agency and accredited by the National Association of Industrial Technology.

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
- Environmental Toxicology Graduate Students Association
- Flight Team
- Instrument Society of America (ISA)
- Institute of Electrical Electronics Engineers, Inc. (IEEE)
- Institute of Transportation Engineers (ITE)
- National Association of Industrial Technology (NAIT)
- 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

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.

DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The eight departments housed in the College of Science and Technology are described in detail on the pages that follow. They are described in the following order: Department of Biology, Department of Chemistry, Department of Computer Science, Department of Engineering Technologies, Department of Industrial Technologies, Department of Mathematics, Department of Physics, and Department of Transportation Studies.

DEPARTMENT OF BIOLOGY

As one of the largest instructional units in the College of Arts and Sciences, 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-degreed 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.** 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 129 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 requirements, and remove deficiencies identified at the time of admission through the General University Academic Center (GUAC). 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. Grades of "C" or better, where grades of "C-" are unacceptable, must be earned in all courses needed to satisfy the major. **The passage of an exit examination is also required of graduating seniors.**

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. **Grades of "C" or better, where grades of "C-" are unacceptable, must be earned in all courses needed to satisfy the minor.**

The curriculum at Texas Southern University is designed so that students receive a broad exposure to important biological concepts in the core courses taken during the first two years. Students **“must”** complete these required core courses prior to registering for Biology courses within the Comprehensive or Pre-Health Professional curricula (see the Required Core Courses). This will allow students to gain the experience and perspective to make sound career decisions for advanced study during their junior and senior years. **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 of the junior year.** Further information may be obtained by contacting the Department Office at (713)-313-7005.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Abdel-Rahman, Fawzia Professor B.Sc., University of Cairo, Egypt M.S., Ph.D., University of California at Davis</p>	<p>Jejelowo, Olufisayo Professor B.Sc. (Honors), University of Lagos, Nigeria M.Sc., Ph.D., University of Manchester, United Kingdom</p>
<p>DuMond, James W. Associate Professor B.S., Eastern Montana College M.S., Montana Tech Ph.D., University of Alabama at Birmingham</p>	<p>Miranda, Hector Assistant Professor B.S., M.S., University of the Philippines at Los Ba os Ph.D., University of Cincinnati</p>
<p>Fadulu, Sunday O. Professor B.S., Oklahoma Baptist University M.S., Ph. D., University of Oklahoma</p>	<p>Ramesh, Govindarajan Assistant Professor B.S., M.S., Ph.D., University of Madras, India</p>
<p>Ghosh, Debabrata Professor B.Sc., The University of Calcutta, India M.S., Ph.D., Texas A & M University Post-Doctoral Studies, University of Texas at Austin</p>	<p>Shishodia, Shishir Assistant Professor B. S., Ranchi University, Ranchi, India. M.S., Ph.D., Banaras Hindu University, Varanasi, India</p>
<p>Hillar, Marion Professor M.D., Ph.D., University Medical School at Gdansk, Poland</p>	<p>Sundaresan, Alamelu Assistant Professor B.Sc., Women's Christian College, Madras M.Sc, University of Pondicherry and The World Health Organizaton, Geneva Ph.D., University of Texas Health Science Center, Houston</p>
<p>Hogan, Yvonne H Professor B.S., M.S., Ph.D., Howard University</p>	<p>Williams, Warren Associate Professor B.S., M.S., Texas Southern University Ph.D., University of Illinois</p>
<p>Jackson, Desirée Associate Professor B.S., State University of New York College at Brockport Ph.D., Meharry Medical College</p>	

BIOLOGY COURSES

- BIOL 111** **Biological Science Laboratory I (Previously BIOL 121)** (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 (Previously BIOL 122)** (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.

- BIOL 245** **Human Anatomy and Physiology** (4)
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.)
- BIOL 246** **Microbiology for Health Related Professions** (4)
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. **Listed as BIOL 2420 in the Texas Common Course Numbering System.**
- BIOL 300** **Seminar for Health Related Professions** (1)
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.
- BIOL 332** **Bioinformatics** (3)
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.
- BIOL 334** **Conservation Biology** (3)
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.
- BIOL 338** **Genetics** (3)
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.
- BIOL 340** **Biochemistry of Biological Compounds** (3)
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.
- BIOL 341** **Organismic Biology** (4)
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.
- BIOL 343** **Ecology** (3)
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.
- BIOL 344** **Vertebrate Anatomy and Histology** (4)
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.
- 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.

Bachelor of Science Degree in Biology
Comprehensive Track
Four Year Degree Plan - Total Credits: 129

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
		CS 116 Computer Science I Lec	3
	14 hrs		17 hrs

Second Year			
Third Semester		Fourth Semester	
BIOL 211 Developmental Biology Lab	1	BIOL 338 Genetics	3
BIOL 231 Developmental Biology	3	BIOL 341 Organismic Biology	4
BIOL 212 Cell Biology Lab	1	CHEM 212 Organic Chemistry II lab	1
BIOL 232 Cell Biology	3	CHEM 232 Organic Chemistry II Lec	3
CHEM 211 Organic Chemistry I Lab	1	HIST 231 Social & Political History of the United States to 1877	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
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	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
	15 hrs		17 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
BIOL Electives	7	BIOL Electives	6
Foreign Language I	3	Foreign Language II	3
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
	17 hrs		16 hrs

Bachelor of Science Degree in Biology
Comprehensive Track
Five Year Degree Plan - Total Credits: 129

First Year			
First Semester		Second Semester	
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
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
	14 hrs		14 hrs

Second Year			
Third Semester		Fourth Semester	
BIOL 211 Developmental Biology Lab	1	BIOL 212 Cell Biology Lab	1
BIOL 231 Developmental Biology	3	BIOL 232 Cell Biology	3
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	HIST 231 Social & Political History of the United States to 1877	3
		PSY 131 or SOC 157 or SOC 158 Intro to Psychology or Sociology or Contemporary Social Issues	3
	12 hrs		14 hrs

Third Year			
Fifth Semester		Sixth Semester	
BIOL 338 Genetics	3	BIOL Electives	3
BIOL 341 Organismic Biology	4	ENG 2xx Upper level English	3
CHEM 322 Quantitative Analysis Lab	2	HIST 232 Social & Political History of the United States since 1877	3
CHEM 332 Quantitative Analysis Lec	3	POLS 231 American Political Systems I	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
BIOL 443 Molecular Biology	4	BIOL 347 Microbiology	4
Foreign Language I	3	Foreign Language II	3
POLS 232 American Political Systems II	3	MATH 231 or BIOL 460 Elementary Statistics or Biostatics	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

Fifth Year			
Ninth Semester		Tenth Semester	
BIOL Electives	6	BIOL Electives	8
CS 116 Computer Science I Lec	3	SC 135 or 136 Business & Professional Communication or Public Address	3
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3		
	12 hrs		11 hrs

Bachelor of Science Degree in Biology
 Comprehensive Track
 Six Year Degree Plan - Total Credits: 129

First Year			
First Semester		Second Semester	
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
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
ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	11 hrs		11 hrs
Second Year			
Third Semester		Fourth Semester	
BIOL 211 Developmental Biology Lab	1	BIOL 212 Cell Biology Lab	1
BIOL 231 Developmental Biology	3	BIOL 232 Cell Biology	3
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 133 College Algebra	3	MATH 136 Precalculus	3
	11 hrs		11 hrs
Third Year			
Fifth Semester		Sixth Semester	
BIOL 338 Genetics	3	BIOL Electives	3
BIOL 341 Organismic Biology	4	ENG 2xx Upper level English	3
CHEM 322 Quantitative Analysis Lab	2	POLS 231 American Political Systems I	3
CHEM 332 Quantitative Analysis Lec	3		
	12 hrs		9 hrs
Fourth Year			
Seventh Semester		Eighth Semester	
BIOL 443 Molecular Biology	4	BIOL 347 Microbiology	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
POLS 232 American Political Systems II	3	MATH 231 or BIOL 460 Elementary Statistics or Biostatistics	3
	10 hrs		10 hrs
Fifth Year			
Ninth Semester		Tenth Semester	
BIOL Electives	3	BIOL Electives	4
Foreign Language I	3	Foreign Language II	3
MATH 241 Calculus & Analytic Geometry I	4	SC 135 or 136 Business & Professional Communication or Public Address	3
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3		
	13 hrs		10 hrs
Sixth Year			
Eleventh Semester		Twelfth Semester	
BIOL Electives	3	BIOL Electives	4
CS 116 Computer Science I Lec	3	PHYS 214 – College Physics Lab II	1
PSY 131 or SOC 157 or SOC 158 Intro to Psych or Sociology or Social Issues	3	PHYS 238 – College Physics II	3
PHYS 213 – College Physics lab I	1		
PHYS 237 – College Physics I	3		
	13 hrs		8 hrs

Bachelor of Science Degree in Biology
Pre-Health Professional Track
Four Year Degree Plan - Total Credits: 129

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
		CS 116 Computer Science I Lec	3
	14 hrs		17 hrs

Second Year			
Third Semester		Fourth Semester	
BIOL 211 Developmental Biology Lab	1	BIOL 300 Seminar	1
BIOL 231 Developmental Biology	3	BIOL 338 Genetics	3
BIOL 212 Cell Biology Lab	1	BIOL 341 Organismic Biology	4
BIOL 232 Cell Biology	3	CHEM 212 Organic Chemistry II lab	1
CHEM 211 Organic Chemistry I Lab	1	CHEM 232 Organic Chemistry II Lec	3
CHEM 231 Organic Chemistry I Lec	3	HIST 231 Social & Political History of the United States to 1877	3
MATH 241 Calculus & Analytic Geometry I	4	PSY 131 or SOC 157 or SOC 158 Intro to Psychology or Sociology or Contemporary Social Issues	3
	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
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	POLS 231 American Political Systems I	3
SC 135 or 136 Business & Professional Communication or Public Address	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
Foreign Language I	3	Foreign Language II	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		
	16 hrs		13 hrs

Bachelor of Science Degree in Biology
Pre-Health Professional Track
Five Year Degree Plan - Total Credits: 129

First Year			
First Semester		Second Semester	
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
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
	14 hrs		14 hrs

Second Year			
Third Semester		Fourth Semester	
BIOL 211 Developmental Biology Lab	1	BIOL 212 Cell Biology Lab	1
BIOL 231 Developmental Biology	3	BIOL 232 Cell Biology	3
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	HIST 231 Social & Political History of the United States to 1877	3
		PSY 131 or SOC 157 or SOC 158 Intro to Psych or Sociology or Social Issues	3
	12 hrs		14 hrs

Third Year			
Fifth Semester		Sixth Semester	
BIOL 300 Seminar	1	BIOL 341 Organismic Biology	4
BIOL 340 Biochemistry of Biological Comp.	3	BIOL 452 Intermediary and Cellular Metabolism	3
BIOL 338 Genetics	3	ENG 2xx Upper level English	3
CHEM 322 Quantitative Analysis Lab	2	HIST 232 Social & Political History of the United States since 1877	3
CHEM 332 Quantitative Analysis Lec	3		
	12 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
BIOL 443 Molecular Biology	4	BIOL 347 Microbiology	4
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	BIOL 447 Human Physiology	3
POLS 231 American Political Systems I	3	CS 116 Computer Science I Lec	3
SC 135 or 136 Business & Professional Communication or Public Address	3	POLS 232 American Political Systems II	3
	13 hrs		13 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
BIOL 454 Immunology	3	BIOL 441 Histology	4
MATH 231 or BIOL 460 Elementary Statistics or Biostatistics	3	Foreign Language II	3
Foreign Language I	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		
	13 hrs		11 hrs

Bachelor of Science Degree in Biology
Pre-Health Professional Track
Six Year Degree Plan - Total Credits: 129

First Year			
First Semester		Second Semester	
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
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
ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	11 hrs		11 hrs

Second Year			
Third Semester		Fourth Semester	
BIOL 211 Developmental Biology Lab	1	BIOL 212 Cell Biology Lab	1
BIOL 231 Developmental Biology	3	BIOL 232 Cell Biology	3
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 133 College Algebra	3	MATH 136 Precalculus	3
	11 hrs		11 hrs

Third Year			
Fifth Semester		Sixth Semester	
BIOL 300 Seminar	1	BIOL 341 Organismic Biology	4
BIOL 340 Biochemistry of Biological Comp.	3	BIOL 452 Intermediary and Cellular Metabolism	3
BIOL 338 Genetics	3	ENG 2xx Upper level English	3
CHEM 322 Quantitative Analysis Lab	2		
CHEM 332 Quantitative Analysis Lec	3		
	12 hrs		10 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
BIOL 443 Molecular Biology	4	BIOL 347 Microbiology	4
MATH 241 Calculus & Analytic Geometry I	4	CS 116 Computer Science I Lec	3
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	11 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
MATH 231 or BIOL 460 Elementary Statistics or Biostatics	3	BIOL 447 Human Physiology	3
Foreign Language I	3	Foreign Language II	3
SC 135 or 136 Business & Professional Communication or Public Address	3	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	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
	12 hrs		12 hrs

Sixth Year			
Ninth Semester		Tenth Semester	
BIOL 454 Immunology	3	BIOL 441 Histology	4
PSY 131 or SOC 157 or SOC 158 Intro to Psych or Sociology or Social Issues	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		
	10 hrs		8 hrs

Pre-Nursing Curriculum
Two Year Plan - Total Credits: 70

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
BIOL 131 Biological Science I Lecture	3	BIOL 132 Biological Science II Lecture	3
MATH 133 College Algebra	3	SC 135 or SC 136 Business and Professional Communication or Public Address	3
PSY 131 General Psychology	3	CHEM 111 General Chemistry Laboratory I	1
SOC 157 Introduction to Sociology	3	CHEM 131 General Chemistry I Lecture	3
		Visual & Performing Arts	3
	15 hrs		16 hrs

First Summer		Second Summer	
HIST 231 Social and Political History of the United States to 1877	3	HIST 232 Social and Political History of the United States since 1877	3
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
	6 hrs	HIST	6 hrs

Second Year			
Third Semester		Fourth Semester	
BIOL 135 Human Anatomy and Physiology I	4	BIOL 136 Human Anatomy and Physiology II	4
FN 233 Elementary Nutrition	3	BIOL 246 Microbiology for Health Related Professions	4
PHIL 231 Introduction to Philosophy	3	PSY 234 Elementary Statistics	3
SOCW 345 Human Behavior in the Social Environment I	3	CS 116 Introduction to Computer Science I	3
	13 hrs		14 hrs

NOTE: Completion of this program does not guarantee acceptance to a Nursing program. Students must contact other institutions for specific admission requirements.

The above courses satisfy prerequisites for the Nursing programs of Prairie View A&M University, University of Texas Medical Branch (UTMB) at Galveston and University of Texas at Houston.

Texas Woman's University (TWU) requires SOC 141 and HIST 349, and allows substitution of Literature for PHIL 231.

Houston Baptist University (HBU) requires six hours of foreign language, for the Humanities requirement, and two hours of Physical Education, but not FN 233.

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 Center 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.

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.**

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 and eradicate identified deficiencies through the General University Academic Center (GUAC), and must contact the Department Office regarding the declaration of a major or minor as ASSET requirements 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.** Completion of an exit examination, administered through the Department, is also required of all graduating seniors.

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 themselves that they should be 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, 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>Blunt, Victor M. Assistant Professor B.S. University of the West Indies Ph.D. Baylor University</p>	<p>Phan, Tuan D. Assistant Professor B.S. Houston Baptist University Ph.D. University of Houston</p>
<p>Clement, Jade Q. Associate Professor M.D., Shandong Medical University M.S., Chinese Academy of Preventive Medicine Ph.D., University of Texas at Houston</p>	<p>Saleh, Mahmoud Professor B.S., M.S., University of Cairo Ph.D., University of California at Davis</p>
<p>Deng, Yuanjian Professor B.S., Wuhan University M.S., Chinese Academy of Sciences Ph.D., University of Houston</p>	<p>Sapp, John B. Professor B.S., M.S., Texas Southern University Ph.D., University of Houston</p>
<p>Fennell, Pearlie Professor B.S., Huston-Tillotson College M.S., Texas Southern University Ph.D., University of Texas at Houston</p>	<p>Wei, Xin Assistant Professor B.S., Nanjing University Ph.D. Nanjing University</p>
<p>Ford, Robert L. Professor B.S., Southern University Ph.D., Purdue University</p>	<p>Wilson, Bobby L. Professor B.S., Alabama State University M.S., Southern University Ph.D., Michigan State University</p>

CHEMISTRY COURSES

- CHEM 111** **General Chemistry Laboratory I** (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. **Listed as CHEM 1111 in the Texas Common Course Numbering System.**
- CHEM 112** **General Chemistry Laboratory II** (1)
Continuation of CHEM 111. Three hours of laboratory per week. Prerequisites: CHEM 111 and credit for or concurrent enrollment in CHEM 132. **Listed as CHEM 1112 in the Texas Common Course Numbering System.**
- CHEM 131** **General Chemistry I** (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. **Listed as CHEM 1311 in the Texas Common Course Numbering System.**
- CHEM 132** **General Chemistry II** (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. **Listed as CHEM 1312 in the Texas Common Course Numbering System.**
- CHEM 143** **Inorganic Chemistry** (4)
Course for pre-nursing, human services/consumer sciences, and technology majors. Important topics: atomic structure, periodic classification of the elements, acid-base theory, oxidation, and reduction. Three hours of lecture and two hours of laboratory per week.
- CHEM 144** **Organic Chemistry** (4)
Survey course for pre-nursing and human services/consumer sciences majors. Study of the structure, physical properties, and reactions of alcohols, aldehydes, ketones, esters, amides, and amines. Three hours of lecture and two hours of laboratory per week. Prerequisite: CHEM 143 or CHEM 131.
- CHEM 211** **Organic Chemistry Laboratory I** (1)
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. **Listed as CHEM 2123 in the Texas Common Course Numbering System.**
- CHEM 212** **Organic Chemistry Laboratory II** (1)
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. **Listed as CHEM 2125 in the Texas Common Course Numbering System.**
- CHEM 231** **Organic Chemistry I** (3)
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. **Listed as CHEM 2323 in the Texas Common Course Numbering System.**

CHEM 232	Organic Chemistry II 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. Listed as CHEM 2325 in the Texas Common Course Numbering System.	(3)
CHEM 322	Quantitative Analysis Laboratory 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.	(2)
CHEM 332	Quantitative Analysis 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.	(3)
CHEM 343	Biochemistry 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.	(4)
CHEM 411	Physical Chemistry Laboratory I 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.	(1)
CHEM 412	Physical Chemistry Laboratory II Continuation of CHEM 411. Three hours of laboratory per week. Prerequisites: CS 117, CHEM 411, and credit for or concurrent enrollment in CHEM 432.	(1)
CHEM 431	Physical Chemistry I 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.	(3)
CHEM 432	Physical Chemistry II Continuation of CHEM 431. Three hours of lecture per week. Prerequisites: CHEM 431 and previous credit for or concurrent enrollment in MATH 242.	(3)
CHEM 445	Biochemistry Structure, physical properties, and chemical reactions of lipids, proteins, enzymes, and vitamins. An in-depth study of the processes of digestion and metabolism. Two hours of lecture and four hours of laboratory per week. Prerequisites: CHEM 212 and CHEM 232.	(4)
CHEM 450	Inorganic Chemistry I Upper-level course covering an in-depth study of inorganic compounds, including coordination theory, molecular-orbital theory, and ligand-field theory. Three hours of lecture per week. Prerequisites: MATH 242 and credit for or concurrent enrollment in CHEM 431 or consent of the Faculty Chair.	(3)

- CHEM 451** **Inorganic Chemistry II** (3)
Upper-level course covering an in-depth study of the chemical elements and their compounds, including their structure, physical properties, methods of preparation, chemical reactions, and uses. Two hours of lecture and three hours of laboratory per week. Prerequisite: CHEM 450 or approval of the Faculty Chair.
- CHEM 453** **Instrumental Methods** (3)
Essentials of instrumental chemical analysis. Two hours of lecture and four hours of laboratory per week. Prerequisites: CHEM 322, CHEM 332, credit for or concurrent enrollment in CHEM 411, and CHEM 431.
- CHEM 454** **Research** (3)
Upper-level chemistry majors select a problem for investigation in one or a combination of several areas of chemistry under the supervision of a member of the faculty designated by the Faculty Chair of the Department. Prerequisites: CHEM 132, CHEM 232, CHEM 332, CHEM 432, or approval of the Faculty Chair.
- CHEM 476** **Organic Mechanisms** (3)
Study of the reaction intermediates and the mechanisms associated with the important, in vitro substitution, elimination, and addition reactions of aliphatic and aromatic molecules. Three hours of lecture per week. Prerequisite: CHEM 232. Offered as needed.
- CHEM 477** **Environmental Chemistry** (3)
Principles of air, water, and soil chemistry. The fate and assessment of toxicants, pesticides, and water pollutants, including phytotoxins, mycotoxins, and heavy metals. Three hours of lecture per week. Prerequisite: CHEM 232. Offered as needed.
- CHEM 499** **Seminar** (1)
Attendance and participation in weekly seminars required. Recent research developments in a wide variety of fields discussed. Students must give at least one seminar during the semester(s) that they are enrolled. May be repeated for credit to four (4) credits maximum. Prerequisite: Consent of the Faculty Chair.

Bachelor of Science Degree in Chemistry
 American Chemical Society (ACS) Approved
 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
	15 hrs		15 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	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 152 University Physics I	3
		PHYS 116 University Physics Lab I	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 University Physics III	3
PHYS 251 University Physics II	3	PHYS 218 University Physics III	1
PHYS 217 University Physics II	1	CHEM 499 Seminar	1
MUSI 131 or ART 131	3	PSY 131 or SOC 157	3
Intro to Music or Drawing and Comp. I		Intro to Psychology or Sociology	
	15 hrs		15 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
SC 135 or 136 Business & Professional Communication or Public Address	3	CHEM 4xx	3
		Elective	2
	13 hrs		15 hrs

Bachelor of Science Degree in Chemistry
 American Chemical Society (ACS) Approved
 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
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
	12 hrs		12 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 131 Freshman English I	3	ENG 132 Freshman English II	3
CS 116 Computer Science I Lec	3	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3
		PHYS 152 University Physics I	3
		PHYS 116 University Physics Lab I	1
	14 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 231 American Political Systems I	3
ENG 2xx Upper Level English	3	CS 117 Computer Science II Lec	3
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States to 1877	3
CHEM 499 Seminar	1		
	12 hrs		13 hrs

Fourth year			
Seventh Semester		Eighth Semester	
POLS 232 American Political Systems II	3	PHYS 252 University Physics III	3
PHYS 251 University Physics II	3	PHYS 218 University Physics Lab III	1
PHYS 217 University Physics Lab II	1	CHEM 454 Research	3
PSY 131 or SOC 157 Intro to Psychology or Sociology	3	CHEM 4xx	3
	10 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth 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
SC 135 or 136 Business & Professional Communication or Public Address	3	CHEM 453 Instrumental Analysis	3
		Elective	2
	10 hrs		12 hrs

Bachelor of Science Degree in Chemistry
 American Chemical Society (ACS) Approved
 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
	11 hrs		11 hrs
Second Year			
Third Semester		Fourth Semester	
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
MATH 243 Calculus & Analytic Geometry III	4	MATH 251 Differential Equations	3
ENG 2xx Upper level English	3	CS 116 Computer Science I Lec	3
		PHYS 152 University Physics I	3
		PHYS 116 University Physics Lab I	1
	11 hrs		14 hrs
Third Year			
Fifth Semester		Sixth 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
MUSI 131 or ART 131	3	CS 117 Computer Science II Lec	3
Intro to Music or Drawing and Comp. I			
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	10 hrs		10 hrs
Fourth Year			
Seventh Semester		Eighth Semester	
CHEM 322 Quantitative Analysis Lab	2	CHEM 4xx	3
CHEM 332 Quantitative Analysis Lec	3	CHEM 445 Biochemistry	4
CHEM 499 Seminar	1	POLS 231 American Political Systems I	3
PSY 131 or SOC 157	3		
Intro to Psychology or Sociology			
	9 hrs		10 hrs
Fifth Year			
Ninth Semester		Tenth Semester	
PHYS 251 University Physics II	3	PHYS 252 University Physics III	3
PHYS 217 University Physics Lab II	1	PHYS 218 University Physics Lab III	1
POLS 232 American Political Systems II	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	7 hrs		7 hrs
Sixth Year			
Eleventh Semester		Twelfth Semester	
CHEM 454 Research	3	CHEM 453 Instrumental Analysis	3
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
		Elective	2
	10 hrs		12 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
	14 hrs		14 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
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
CS 116 Introduction to Computer Science I	3	CS 117 Introduction to Computer Science II	3
ENG 2xx	3	MUSI 131 or Art 131	3
		Introduction to Music or Drawing & Composition I	
	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 College Physics II	3
PHYS 213 College Physics Lab I	1	PHYS 214 College Physics Lab II	1
PHYS 237 College Physics I	3	BIOL 231 Cell Biology	3
PSY 131 or SOC 157 Gen. Psy or Intro Soc	3	CHEM 499 Seminar	1
CHEM 499 Seminar	1		
	16 hrs		15 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
SC 135 or 136 Business & Professional Communication or Public Address	3	CHEM 453 Instrumental Analysis	3
BIOL 460 Biostatistics	3	BIOL 245 Human Anatomy & Physiology	4
	13 hrs		14 hrs

Bachelor of Science Degree in Chemistry
Pre-Medical and Pre-Dental Track
Five 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
	14 hrs		14 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
ENG 2xx	3	CS 116 Introduction to Computer Science I	3
	11 hrs		11 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
CS 117 Computer Science II Lec	3	BIOL 231 Cell Biology	3
CHEM 499 Seminar	1	CHEM 499 Seminar	1
POLS 231 American Political Systems I	3		
	12 hrs		11 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	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
SC 135 or 136 Business & Professional Communication or Public Address	3	BIOL 460 Biostatistics	3
PSY 131 or SOC 157 Gen. Psy or Intro Soc	3	BIOL 245 Human Anatomy & Physiology	4
	13 hrs		14 hrs

Fifth Year			
Ninth Semester		Tenth 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
MUSI 131 OR Art 131 Introduction to Music or Drawing & Composition I	3	CHEM 453 Instrumental Analysis	3
	10 hrs		10 hrs

Bachelor of Science Degree in Chemistry
Pre-Medical and Pre-Dental Track
Six 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
ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	10 hrs		10 hrs

Second Year			
Third Semester	Fourth	Semester	
BIOL 131 Biological Science Lec	3	BIOL 132 Biological Science II Lec	3
BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
MATH 241 Calculus & Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry II	4
ENG 2xx	3	CS 116 Introduction to Computer Science I	3
	11 hrs		11 hrs

Third Year			
Fifth Semester	Sixth	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
CS 117 Computer Science II Lec	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	MUSI 131 or ART 131 Intro to Music or Drawing and Comp I	3
	10 hrs		10 hrs

Fourth Year			
Seventh Semester	Eighth	Semester	
CHEM 499 Seminar	1	CHEM 445 Biochemistry	4
CHEM 322 Quantitative Analysis Lab	2	POLS 232 American Political Systems II	3
CHEM 332 Quantitative Analysis Lec	3	BIOL 231 Cell Biology	3
POLS 231 American Political Systems I	3	CHEM 499 Seminar	1
	12 hrs		11 hrs

Fifth Year			
Ninth Semester	Tenth	Semester	
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
SC 135 or 136 Business & Professional Communication or Public Address	3	BIOL 245 Human Anatomy & Physiology	4
		BIOL 460 Biostatistics	3
	7 hrs		11 hrs

Sixth year			
Eleventh Semester	Twelfth	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 453 Instrumental Analysis	3
	7 hrs		10 hrs

DEPARTMENT OF COMPUTER SCIENCE

The primary mission of Computer Science Department is designed to expose students to the most current trends in both computer software and hardware. It involves the study and design of computer systems and associated system software. Particular emphasis is given to programming techniques, software engineering, computer networks, and distributed systems. The students acquired knowledge would enable them to convert the small box called computer into information processing tools to be applied in real-life problems. It introduces detailed understanding of constructing and maintaining systems by taking part in research projects. It generates ideas by means of dynamic education methods that will improve the creative thinking abilities of students. It educates students and increases their employment opportunities. It prepares graduate students with adequate knowledge to pursue in post graduate educations.

The following is a listing of the educational objectives of the Computer Science program:

- Prepare students for successful and productive careers as specialized CS professionals in industry and government.
- Prepare students for the successful pursuit of graduate studies and commitment to life-long learning.
- Prepare students to use their education to address the needs of society.
- Prepare students to have the knowledge and skills to adapt to a dynamic Multidisciplinary technological environment through teamwork, ethical concerns, and effective communications.

The programs offered by the Department of Computer Science lead to the Bachelor of Science or the Master of Science in Computer Science. Majors in other disciplines at TSU are also welcome to take Computer Science as a minor. These programs are designed primarily to prepare graduates for productive work in highly computer-dependent areas of business, government, and industry. In recent years, majors graduating from the program have attained their first jobs in business applications, computer software development, scientific and applied mathematical programming, and have gone to graduate school.

Computer Science is a rapidly evolving field, it is therefore important that the graduate's education be broad and fundamental so that new trends can more readily be followed. Our goal is to balance fundamentality and breadth with sufficient supervised practice so that our graduates are productive at the time they graduate but ready and willing to change with the field. Most graduates will be called to work in cooperation with professionals trained in other areas. Hence, the ability to work and communicate with others of different educational backgrounds is an important characteristic. Additionally, we require Computer Science majors to select a strong minor, preferably in Business, Science or Communications.

Students majoring in Computer Science should set their goals beyond simple programming and be prepared to:

1. Program well in design and implementation phases and document work.
2. Analyze real-world problems in preparation for program design and implementation
3. Manage activities that are strongly computer dependent.
4. Advance the fundamental theory of digital information processing.
5. Improve the tools that programmers and systems analysts use, i.e., to develop better software systems, better languages for communicating with computers, better web-based interfaces and databases, better problem solving methods.

Requirements for the Bachelor of Science in Computer Science are summarized below. 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 AS-SET requirements and prerequisites administered through the General University Academic Center (GUAC) 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. The department website is <http://itscience.tsu.edu>.

Students pursuing a Bachelor degree in CS must also have a declared minor in another academic discipline as first-time seekers of an undergraduate degree. The degree requirements along with the sequence in which major courses must be taken are provided at the end of this section.

Students must earn grades of "C" or better in all courses specific to either the major or the minor in Computer Science.

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 elective requirements.

In selecting a minor, as required for completion of the B.S. in Computer Science, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 124 semester credit hours satisfactorily completed.

For a Computer Science minor, twenty-one (21) semester credit hours are required through enrollment in the following courses: CS 120, CS 124, CS140, CS 241, CS 243, CS 246 and one additional junior/senior level CS course of choice. Prior to pursuing this minor, students must seek advisement and approval from the Department Office.

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 Programming in C++
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>Criner, Oscar Professor B.S., Howard University Ph.D., University of California at Berkeley</p>	<p>Khan, M. Farrukh Assistant Professor B.S., California Institute of Technology M.S., University of Southern Mississippi Ph.D., Purdue University</p>
<p>Dotson, Ulysses Visiting Instructor B.S., Texas Southern University M.S., Texas Southern University</p>	<p>Li, Wei Wayne Professor B.S., Shaanxi Normal University M.S., Hebei University of Technology Ph.D., Chinese Academy of Sciences</p>
<p>Ghemri, Lila Assistant Professor B.S., University of Algiers Ph.D., University of Bristol</p>	<p>Lin, Cheng-Feng Assistant Professor B.S., North East Missouri University M.S., University of Texas at Arlington</p>
<p>Gonzales, Michael Visiting Instructor B.S., Texas Southern University M.S., Texas Southern University</p>	<p>Ma, Li Visiting Instructor B.S., Peking University M.S., University of California at Los Angeles</p>
<p>Javadi, John Visiting Instructor B.S., Texas Southern University M.S., University of Houston-Clear Lake</p>	<p>Singh, Tarsem Professor B.S., San Jose State University M.S., San Jose State University Ph.D., Texas A&M University</p>
<p>Javadian, Mohsen Associate Professor B.S., Texas Southern University M.S., University of Houston-Clear Lake</p>	<p>Sleem, Aladdin Assistant Professor B.S., Cairo University M.B.A., Maastricht School of Management M.S., University of Louisville Ph.D., University of Louisville</p>
<p>Kamel, Khaled Professor 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>	

COMPUTER SCIENCE COURSES

- CS 116 Introduction to Computer Science I - NON MAJORS (3)**
Study of fundamental concepts of computing: 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. Three hours of lecture per week. **Listed in the Texas Common Course Numbering System as COSC 1300.**
- CS 117 Introduction to Computer Science II - NON MAJORS (3)**
Introduction to World Wide Web applications and design, including Web scripting languages and HTML editors. Three hours of lecture per week.
- CS 120 Introduction to programming in C++ (3)**
Introduction to principles of programming using the C++ programming language as a problem-solving tool. Analysis and formulation of problems for computer solutions. Systematic design, construction, and testing of programs. Required for computer science majors and minors. Programming lab sessions during which, students acquire and strengthen their programming skills in C++ are integral part of this course. Required for computer science majors and minors. Two hours of lecture and two hours of laboratory 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 Advanced Programming in C++ (3)**
Extensive programming using concepts of structures, pointers, advanced file operations, classes, Inheritance, and polymorphism. Three hours of lecture per week. Prerequisite: CS 120
- CS 216 Advanced Applications I - NON MAJORS (3)**
Designed for students interested in learning computer programming applications using VISUAL BASIC. Design, implementation, and testing of programs and graphical user interfaces. Process of using VISUAL BASIC to access object oriented model of other applications also considered. Three hours of lecture per week. Prerequisite: CS 117.
- CS 217 Advanced Applications II - NON MAJORS (3)**
Continuation of CS 216. Advanced study of application software development in the WINDOWS environment. Development of customized software products with applications to subject matter area studied by students. Three hours of lecture per week. Prerequisite: CS 216.
- CS 241 Object Oriented Programming Using JAVA (3)**
The use of modern object oriented programming methodologies such as class inheritance, polymorphism, multithreading, generics, GUI components, and exceptions. JAVA programming language is used. Required for computer science majors and minors. Three hours of lecture per week. Prerequisite: CS 140.
- 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, synchronized and asynchronous 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. Abstract data types, recursion, searching and sorting, hashing, binary trees. External storage devices, file organization, file processing techniques. Required for computer science majors and minors. Three hours of lecture per week. Prerequisites: CS 124, CS 140.

- CS 248 Theory of Computation (3)**
Introduction to graph theory, automata and languages, computability and complexity of algorithms. This course covers partial order relations, scheduling PERT, CPM, introduction to graph theory: Euler, Hamiltonian and Dijkstra algorithms, finite state automata, regular expressions, grammars, algorithm definition, and algorithm complexity. Required for computer science majors. Three hours of lecture per week. Prerequisites: MATH 241, CS 243. Corequisite: CS 246
- 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)**
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. 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 354 Logic Programming Using Prolog (3)**
A thorough introduction to logic programming using Prolog. Includes a description of Prolog data objects and introduces the concepts of goal resolution through unification and negation as failure. Programming techniques using control, and predicates and arithmetic operations are also studied. Three hours of lecture per week. Prerequisite: CS 342.
- CS 356 Numerical Analysis (3)**
Numerical solution of nonlinear equations, integration, interpolation and data smoothing, 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 (3)**
A study of the ethical and social issues related to computers and computer networks. Introduction to the legal, social, and ethical issues of information technology and to software testing and reliability standards. Safety and relevant legal cases will be covered. Required for computer science majors. Three hours of lecture per week. Prerequisite: Junior level standing.
- CS 444 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 and CS 346
- CS 448 Computer Networking (3)**
Study of current practices in computer networking including ISO standards, layered models, and protocols. Required for computer science majors. Three hours of lecture per week. Prerequisites: CS 444

- CS 456** **Software Engineering and Testing (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 444
- CS 457** **Artificial Intelligence (3)**
Introduction to the fundamental theories, algorithms and representational structures underlying Artificial Intelligence and practice techniques for programming AI applications using Prolog. General areas covered include search techniques, production systems, planning, learning, and connectionist systems. Three hours of lecture per week. Prerequisites: CS 354 and CS 346
- CS 460** **Computer Graphics (3)**
Basic concepts of computer graphics, including programming, hardware, display technology, and data structures for both micros and high-performance workstations. Three hours of lecture per week. Prerequisites: CS 248, and CS 356
- CS 497** **Advanced Topics in CS (3)**
Consideration of contemporary topics and issues in computer science and associated technology. Three hours of lecture per week.
- CS 499** **Capstone Project (3)**
A CS required capstone design course to encourage independent study, project design, and development. Proposal must be submitted and approved during term preceding enrollment. Three hours of lecture per week. Prerequisite: Consent of the Faculty Chair and Senior Level standing.

Bachelor of Science Degree in Computer Science
Four Year Degree Plan - Total Credits: 134

First Year			
First Semester		Second Semester	
CS 120 Introduction to Programming C++	3	CS 124 Fund of Machine Comp	3
Math 136 Precalculus	3	CS 140 Advanced programming in C++	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
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	16 hrs		16 hrs

Second Year			
Third Semester		Fourth Semester	
CS 241 Object Oriented Programming	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	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
MINOR COURSE	3	MINOR COURSE	3
	17 hrs		16 hrs

Third Year			
Fifth Semester		Sixth Semester	
CS 342 Programming Languages and Design	3	CS UPPER- 300 Level Elective	3
CS 343 Microprocessors Design	3	CS415 Computer Ethics and Society	3
CS 346 Database Management Systems	3	CS 444 Operating Systems	3
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
ENG 2__ Any 200 Level ENG may be selected	3	SC 135 or 136 Business & Professional Communication or Public Address	3
MINOR COURSE	3	MINOR COURSE	3
	18 hrs		18 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
CS UPPER- 400 Level Elective	3	CS 456 Software Engineering and Testing	3
CS UPPER- 400 / 500 Level Elective	3	CS 499 Capstone Project	3
CS 448 Computer Networking	3	ECON 231 Principles of Economics I	3
MATH 473 Probability and Statistics	3	MINOR COURSE	3
MINOR COURSE	3	MINOR COURSE	3
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3		
	18 hrs		15 hrs

Bachelor of Science Degree in Computer Science
Five Year Degree Plan - Total Credits: 134

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	CS 120 Introduction to Programming C++	3
CHEM 131, 111 or BIOL 143 General Chemistry & Lab I, Survey of Life Science	4	Math 136 Precalculus	3
HIST 231 Social & Political History of the United States to 1877	3	ENG 132 Freshman English II	3
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	HIST 232 Social & Political History of the United States since 1877	3
	13 hrs		12 hrs

Second year			
Third Semester		Fourth Semester	
CS 124 Fund of Machine Comp	3	CS 241 Object Oriented Programming	3
CS 140 Advanced programming in C++	3	CS 243 Computer Organization	3
MATH 241 Calculus & Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry. II	4
MINOR COURSE	3	MINOR COURSE	3
	13 hrs		13 hrs

Third year			
Fifth Semester		Sixth Semester	
CS 246 Data & File Structures	3	CS 342 Programming Languages and Design	3
CS 248 Theory of Computation	3	CS 343 Microprocessors Design	3
MATH 250 Linear Algebra	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	MINOR COURSE	3
	13 hrs		13 hrs

Fourth year			
Seventh Semester		Eighth Semester	
CS 346 Database Management Systems	3	CS UPPER- 400 Level Elective	3
CS UPPER- 300 Level Elective	3	CS415 Computer Ethics and Society	3
POLS 231 American Political Systems I	3	CS 444 Operating Systems	3
ENG 2__ Any 200 Level ENG may be selected	3	POLS 232 American Political Systems II	3
MINOR COURSE	3	MINOR COURSE	3
	15 hrs		15 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
CS UPPER- 400 / 500 Level Elective	3	CS 456 Software Engineering and Testing	3
CS 448 Computer Networking	3	CS 499 Capstone Project	3
MATH 473 Probability and Statistics	3	ECON 231 Principles of Economics I	3
SC 135 or 136 Business & Professional Communication or Public Address	3	MINOR COURSE	3
MINOR COURSE	3		
	15 hrs		12 hrs

Bachelor of Science Degree in Computer Science
Six Year Degree Plan - Total Credits: 134

First year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	CS 120 Introduction to Programming C++	3
CHEM 131, 111 or BIOL 143 General Chemistry & Lab I, Survey of Life Science	4	Math 136 Precalculus	3
HIST 231 Social & Political History of the United States to 1877	3	ENG 132 Freshman English II	3
MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	HIST 232 Social & Political History of the United States since 1877	3
	13 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
CS 124 Fund of Machine Comp	3	CS 241 Object Oriented Programming	3
CS 140 Advanced programming in C++	3	CS 243 Computer Organization	3
MATH 241 Calculus & Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry. II	4
MINOR COURSE	3	MINOR COURSE	3
	13 hrs		13hrs

Third Year			
Fifth Semester		Sixth Semester	
CS 246 Data & File Structures	3	CS 342 Programming Languages and Design	3
CS 248 Theory of Computation	3	CS 343 Microprocessors Design	3
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
MINOR COURSE	3	MINOR COURSE	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
CS 346 Database Management Systems	3	CS UPPER- 300 Level Elective	3
MATH 250 Linear Algebra	3	CS415 Computer Ethics and Society	3
MINOR COURSE	3	MINOR COURSE	3
ENG 2__ Any 200 Level ENG may be selected	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
CS 444 Operating Systems	3	CS 448 Computer Networking	3
CS UPPER- 400 Level Elective	3	ECON 231 Principles of Economics I	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
	10 hrs		10 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
CS UPPER- 400 / 500 Level Elective	3	CS 456 Software Engineering and Testing	3
MATH 473 Probability and Statistics	3	CS 499 Capstone Project	3
MINOR COURSE	3		
	9 hrs		6 hrs

DEPARTMENT OF ENGINEERING TECHNOLOGIES

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 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 on the third floor and first floor of the Technology Building with the Department Offices located in Rooms 319 and 121.

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 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 the engineering technologies. 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 and eradicate identified deficiencies through the General University Academic Center (GUAC), and must contact the Department for admission after ASSET requirements have 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). 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 gained directly from the Department Office or by calling (713) 313-7119.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Afiesimama, Boma T., P.E. Associate Professor B.S., University of Michigan M. Eng., Texas A&M University D. Eng., Texas A&M University</p>	<p>Olowokere, David Chair, Professor B.S., Ahmadu Bello University, Zaria, Nigeria M.S., Queen's University Ph.D., State University of New York</p>
<p>Agbanobi, Raymond O., P.E. Professor Diploma, Blackburn College of Technology M.S.C.E., University of Missouri Ph.D., North Carolina State University</p>	<p>Saneifard, Rasoul, P.E. Associate Professor B.S.E.E., Prairie View A&M University M.S.E., Prairie View A&M University Ph.D., New Mexico State University</p>
<p>Chen, Xuemin Assistant Professor B.Eng., Nanjin University of Science and Technology M.Eng., Nanjing University of Science & Technology Ph.D., Nanjing University of Science & Technology</p>	<p>Stewart, Carrington Visiting Assistant Professor B.S., Prairie View University M.S., University of Houston Ph.D., Kennedy Western University</p>
<p>Darayan, Shahryar Professor B.S., Tabriz University M.S.E.E., University of Houston Ph.D., University of Houston</p>	<p>Tahvilian, Hosein Instructor B.S., Southern University M.S., Texas A&M University</p>
<p>Kamel, Eman Visiting Assistant Professor B.S., Cairo University M.S., University of Cincinnati Ph.D., University of Louisville</p>	<p>Thomas, Graham Assistant Professor B.S., New Mexico State University M.S., New Mexico State University Ph.D., New Mexico State University</p>
<p>Kazakos, Demetrios Professor & Dean B.S., National Polytechnic University of Greece M.S., Princeton University Ph.D., University of Southern California</p>	<p>Zhang, Yuhong Assistant Professor B.Sc., Shandong University, China M.Sc., University of Manitoba, Canada Ph.D., University of Toledo</p>
<p>Kehinde, Lawrence Visiting Professor B.S., University of Ife, Nigeria Ph. D., University of Sussex, U.K. Postdoctoral diploma, University of California, Berkeley</p>	

CIVT 231	Surveying I 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.	(3)
CIVT 232	Engineering Statics 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.	(3)
CIVT 233	Dynamics 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.	(3)
CIVT 234	Surveying II 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.	(3)
CIVT 301	Water and Wastewater Engineering 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: CHEM 111, CHEM 131 and MATH 133.	(3)
CIVT 332	Applied Fluid Mechanics 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.	(3)
CIVT 333	Hydraulics Engineering 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.	(3)
CIVT 334	Transportation Engineering 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.	(3)
CIVT 335	Geometric Design of Highways 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.	(3)
CIVT 336	Structural Analysis 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.	(3)
CIVT 337	Reinforced Concrete Design 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.	(3)
CIVT 338	Strength of Materials 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.	(3)

ELET 133	Alternating Current Circuits	(3)
	Continuation of ELET 131 with studies of alternating current circuits, impedance concepts, network theorems, transformers, passive filters, and response curves. Three hours of lecture per week. Prerequisite: ELET 131. Corequisites: ELET 113 and MATH 134.	
ELET 212	Electronics II Laboratory	(1)
	Application, design, and evaluate operational amplifiers with feedback configurations, linear and nonlinear circuitry, oscillators, and active filters. Two hours of laboratory per week. Prerequisite: ELET 132. Corequisite: ELET 232.	
ELET 213	Digital Hardware Design Laboratory	(1)
	Experiments in digital hardware design. Two hours of laboratory per week. Corequisite: ELET 243.	
ELET 214	Digital Logic Circuits Laboratory	(1)
	Exercises on logic circuits, combinational and sequential logic devices, and flip-flops. Two hours of laboratory per week. Corequisite: ELET 241.	
ELET 223	Electric Machines	(3)
	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.	
ELET 232	Electronics II	(3)
	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 132. Corequisite: ELET 212.	
ELET 241	Digital Logic Circuits	(3)
	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.	
ELET 243	Digital Hardware Design	(3)
	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 213.	
ELET 311	Communications Systems Laboratory	(1)
	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.	
ELET 312	Control Systems Laboratory	(1)
	Laboratory experiments on final control elements and closed loop control systems. Two hours of laboratory per week. Prerequisite: ELET 212. Corequisite: ELET 332.	
ELET 313	Microprocessor Architecture Laboratory	(1)
	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.	
ELET 322	Integrated Circuits	(3)
	Study of the design and application of digital and linear integrated circuits. Two hours of lecture and two hours of laboratory per week. Prerequisites: ELET 243.	
ELET 323	Digital Signal Processing	(3)
	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. Prerequisite: Math 242, ELET 243.	

ELET 331	Communications Systems 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.	(3)
ELET 332	Control Systems 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.	(3)
ELET 343	Microprocessor Architecture 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.	(3)
ELET 353	Microprocessor Software Applications 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. Prerequisites: ELET 130.	(3)
ELET 410	Computer Control Systems Laboratory Experiments on computer control systems with emphasis on the practical aspects of control principles. Two hours of laboratory per week Prerequisite: ELET 343 and ELET 332. Corequisite: ELET 430.	(3)
ELET 411	Microcomputer Networks Laboratory 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.	(1)
ELET 412	Senior Project Proposal Students will submit a written proposal along with functional specifications and timetable of a project for approval by members of faculty. One hour of class per week. Prerequisite: Senior status	(1)
ELET 413	Microprocessor Interfacing Laboratory 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.	(1)
ELET 422	Advanced Structured Programming with C++ Study of object oriented programming in C++ on workstations with Microsoft C/C++. Prerequisites: Three hours of lecture per week. Prerequisite ELET 130.	(3)
ELET 430	Computer Control Systems 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.	(3)
ELET 431	Microprocessor Interfacing 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. Prerequisites: ELET 343. Corequisite: ELET 413.	(3)
ELET 432	Senior Electronics Project 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.	(3)

- 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. Prerequisite: ELET 243.
- CMET 412** **Senior Project I** **(1)**
 A capstone team project that includes a written proposal, with functional specifications and timetable of a project for approval by faculty members. Prerequisite: Senior status.
- 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. 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. 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. 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. Prerequisite: ELET 313. Corequisite: CMET 439.
- CMET 432** **Senior Project II** **(3)**
 A continuation of Senior Project I with design modifications necessary to produce a working prototype. Formal oral and written presentations, and a prototype required. Prerequisites: CMET 412, 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 inter-networking and routers, network management, and etc. 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. Prerequisites: ELET 343, 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. Corequisites: 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. 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. 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. 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. Prerequisites: 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.

Bachelor of Science Degree in Civil & Environmental Engineering
4 Year Degree Plan - Total Credits: 129

First Year			
First Semester		Second Semester	
DRAFT 131 Fundamental of Drafting	3	ENG 132 Freshman English II	3
*ENG 131 Freshman English	3	MATH 134 Plane Trigonometry	3
*MATH 133 College Algebra	3	SC 135 Speech	3
ITEC 111 Orientation	1	CEE 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
	14 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	MUSIC 239 Fine Arts in Daily Living	3
CHEM 131 General Chemistry	3	POLSC 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
POLSC 232 America Pol System II	3	DRFTG 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 Water & Wastewater Treatment	3	CIVT 331 Transportation Engineering	3
CIVT 400 Problems in Civil Engineering Tech.	3	CIVT 434 Environmental Engineering	3
CIVT 435 Civil Engineering Const. Methods	3	CIVT 340 Structural Steel Design	3
ITEC 331 Technical Writing	3	ENGT 331 Engineering Economy	3
ELECTIVE	3	** Technical Elective	3
	15 hrs		15 hrs

Bachelor of Science Degree in Civil & Environmental Engineering
5 Year Degree Plan - Total Credits: 129

First Year			
First Semester		Second Semester	
DRAFT 131 Fundamental of Drafting	3	ENG 132 Freshman English II	3
*ENG 131 Freshman English	3	MATH 134 Plane Trigonometry	3
*MATH 133 College Algebra	3	SC 135 Speech	3
ITEC 111 Orientation	1	CEE 141 Civil Engineering Materials	3
	10 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
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
CIVT 231 Surveying I	3	CIVT 233 Dynamics	3
CIVT 232 Statics	3	CIVT 224 Geotechnical Engineering	3
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
CIVT 338 Strength of Materials	3		
ENG 2xx Upper level English	3	MATH 242 Calculus & Anal. Geometry	4
MATH 241 Calculus & Geometry I	4	MUSIC 239 Fine Arts in Daily Living	3
CHEM 131 General Chemistry	3	POLSC 231 American Pol. System I	3
CHEM 111 General Chemistry I Lab	1	CIVT 234 Surveying II	3
	13 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
CIVT 223 Hydrology & Water Resources	3	CIVT 333 Hydraulics Engineering	3
CIVT 337 Reinforced Concrete Design	3	CIVT 335 Geometric Design of Hwys	3
CIVT 332 Applied Fluid Mechanics	3	DRFTG 336 Computer Aided Design	3
POLSC 232 America Pol System II	3	HIST 232 Soc & Pol History of the U.S	3
HIST 231 Soc Pol History of U.S	3	CIVT 336 Structural Analysis	3
	15 hrs		15 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
CIVT 301 Water & Wastewater Treatment	3	CIVT 331 Transportation Engineering	3
CIVT 400 Problems in Civil Engineering Tech.	3	CIVT 434 Environmental Engineering	3
CIVT 435 Civil Engineering Const. Methods	3	CIVT 340 Structural Steel Design	3
ITEC 331 Technical Writing	3	ENGT 331 Engineering Economy	3
ELECTIVE	3	** Technical Elective	3
	15 hrs		15 hrs

Bachelor of Science Degree in Civil & Environmental Engineering
6 Year Degree Plan - Total Credits: 129

First Year			
First Semester		Second Semester	
DRAFT 131 Fundamental of Drafting	3	ENG 132 Freshman English II	3
*ENG 131 Freshman English	3	MATH 134 Plane Trigonometry	3
*MATH 133 College Algebra	3	SC 135 Speech	3
ITEC 111 Orientation	1	CEE 141 Civil Engineering Materials	3
	10 hrs		12 hrs

Second Year			
Third Semester		Fourth Semester	
PHYS 237 College Physics I	3	PHYS 238 College Physics II	3
PHYS 213 College Physics Lab I	1	PHYS 215 College Physics Lab II	1
CIVT 231 Surveying I	3	CIVT 233 Dynamics	3
CIVT 232 Statics	3	CIVT 224 Geotechnical Engineering	3
	10 hrs		10 hrs

Third Year			
Fifth Semester		Sixth Semester	
ENG 2xx Upper level English	3	MATH 242 Calculus & Anal. Geometry	4
MATH 241 Calculus & Geometry I	4	MUSIC 239 Fine Arts in Daily Living	3
CHEM 131 General Chemistry	3	POLSC 231 American Pol. System I	3
CHEM 111 General Chemistry I Lab	1	CIVT 234 Surveying II	3
	11 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
CIVT 223 Hydrology & Water Resources	3	CIVT 333 Hydraulics Engineering	3
		CIVT 335 Geometric Design of Hwys	3
CIVT 332 Applied Fluid Mechanics	3	DRFTG 336 Computer Aided Design	3
CIVT 338 Strength of Materials	3	CIVT 337 Reinforced Concrete Design	3
	9 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
POLSC 232 America Pol System II	3	HIST 232 Soc & Pol History of the U.S	3
HIST 231 Soc Pol History of U.S	3	CIVT 336 Structural Analysis	3
CIVT 301 Water & Wastewater Treatment	3	CIVT 331 Transportation Engineering	3
	9 hrs		9 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
CIVT 400 Problems in Civil Engineering Tech.	3	CIVT 434 Environmental Engineering	3
CIVT 435 Civil Engineering Const. Methods	3	CIVT 340 Structural Steel Design	3
ITEC 331 Technical Writing	3	ENGT 331 Engineering Economy	3
ELECTIVE	3	** Technical Elective	3
	12 hrs		12 hrs

Bachelor of Science Degree in Electronics Engineering Technology
Four Year Degree Plan - Total Credits: 131

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	MUSI 239 Fine Arts in Daily Living	3
MATH 133 College Algebra	3	CHEM 111 General Chemistry Lab	1
ITEC 111 Orientation	1	CHEM 131 General Chemistry	3
	17 hrs		17 hrs

Second Year			
Third Semester		Fourth Semester	
ELET 112 Electronics I Lab	1	ELET 212 Electronics II Lab	1
ELET 132 Electronics I	3	ELET 232 Electronics II	3
ELET 214 Digital Logic Circuits Lab	1	ELET 213 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
	15 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 College Physics Lab I	1	PHYS 214 College Physics Lab II	1
PHYS 237 College Physics I	3	PHYS 238 College Physics II	3
POLS 231 American Pol Systems I	3	POLS 232 American Pol Systems 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 353 Micro Computer Software Appl.	3	ELET 413 Microprocessor Interfacing Lab	1
ELET 412 Senior Project Proposal	1	ELET 431 Microprocessor Interfacing	3
ELET 411 Micro Computer Networks Lab.	1	ELET 432 Senior Electronics Project	3
ELET 434 Micro Computer Networks	3	ELET 441 Electronics SR. Comp	0
***** Technical Elective	3	ELET 422 Advanced Stru. Prog. With C++	3
***** General Elective	3	ENGT 333 Ethics & Pro. Eng. Practice	1
	18 hrs		15 hrs

Bachelor of Science Degree in Electronics Engineering Technology
Five Year Degree Plan - Total Credits: 131

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	DRFT 233 Intro to Computer Aided Design	3
ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
MATH 133 College Algebra	3	MATH 134 Plane Trigonometry	3
ITEC 111 Orientation	1		
	14 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
ELET 112 Electronics I Lab	1	ELET 212 Electronics II Lab	1
ELET 132 Electronics I	3	ELET 232 Electronics II	3
MATH 241 Calculus & Geometry I	4	MATH 242 Calculus & Anal. Geometry	4
HIST 231 Soc. Pol. His. Of U.S	3	HIST 232 Soc. Pol. His. of U.S	3
ENG 2xx Upper level English	3	SC 135 Business & Prof. Comm.	3
	14 hrs		14 hrs

Third Year			
Fifth Semester		Sixth Semester	
ELET 214 Digital Logic Circuits Lab	1	ELET 213 Digital Hardware Design Lab	1
ELET 241 Digital Logic Circuits	3	ELET 243 Digital Hardware Design	3
MATH 345 Applied Math & Stat. for Tech.	3	ITEC 331 Technical Writing	3
PHYS 213 College Physics Lab I	1	PHYS 214 College Physics Lab II	1
PHYS 237 College Physics Lab I	3	PHYS 238 College Physics II	3
POLS 231 American Pol Systems I	3	POLS 232 American Pol Systems II	3
	14 hrs		14 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
ELET 312 Control Systems Lab	1	ELET 311 Communicating Systems Lab	1
ELET 332 Control Systems	3	ELET 331 Communicating Systems	3
ELET 313 Microprocessor Architecture Lab	1	ELET 410 Computer Control Systems Lab	1
ELET 343 Microprocessor Architecture	3	ELET 430 Computer Control Systems	3
ELET 422 Advanced Stru. Prog. With C++	3	CHEM 111 General Chemistry Lab	1
MUSI 239 Fine Arts in Daily Living	3	CHEM 131 General Chemistry	3
	14 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
ELET 353 Micro Computer Software Appl.	3	ELET 413 Microprocessor Interfacing Lab	1
ELET 412 Senior Project Proposal	1	ELET 431 Microprocessor Interfacing	3
ELET 411 Micro Computer Networks Lab.	1	ELET 432 Senior Electronics Project	3
ELET 434 Micro Computer Networks	3	ELET 441 Electronics SR. Comp	0
***** Technical Elective	3	ENGT 333 Ethics & Pro. Eng. Practice	1
		***** General Elective	3
	11 hrs		11 hrs

Bachelor of Science Degree in Electronics Engineering Technology
Six Year Degree Plan - Total Credits: 131

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
ENG 131 Freshman English I	3	ELET 130 Intro to Stru. Prog. with C++	3
MATH 133 College Algebra	3	ENG 132 Freshman English II	3
ITEC 111 Orientation	1	MATH 134 Plane Trigonometry	3
	11 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
ELET 112 Electronics I Lab	1	ELET 212 Electronics II Lab	1
ELET 132 Electronics I	3	ELET 232 Electronics II	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
	11 hrs		11 hrs

Third Year			
Fifth Semester		Sixth Semester	
ELET 214 Digital Logic Circuits Lab	1	ELET 213 Digital Hardware Design Lab	1
ELET 241 Digital Logic Circuits	3	ELET 243 Digital Hardware Design	3
MATH 345 Applied Math & Stat. for Tech.	3	POLS 232 American Pol Systems II	3
POLS 231 American Pol Systems I	3	MUSI 239 Fine Arts in Daily Living	3
	10 hrs		10 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
ELET 312 Control Systems Lab	1	ELET 311 Communicating Systems Lab	1
ELET 332 Control Systems	3	ELET 331 Communicating Systems	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
HIST 231 Soc. Pol. His. Of U.S	3	HIST 232 Soc. Pol. His. Of U.S	3
	11 hrs		11 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
ELET 313 Microprocessor Architecture Lab	1	ELET 410 Computer Control Systems Lab	1
ELET 343 Microprocessor Architecture	3	ELET 430 Computer Control Systems	3
ELET 411 Micro Computer Networks Lab.	1	CHEM 111 General Chemistry Lab	1
ELET 434 Micro Computer Networks	3	CHEM 131 General Chemistry	3
DRFT 233 Intro to Computer Aided Design	3	ITEC 331 Technical Writing	3
	11 hrs		11 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
ELET 353 Micro Computer Software Appl.	3	ELET 413 Microprocessor Interfacing Lab	1
ELET 412 Senior Project Proposal	1	ELET 431 Microprocessor Interfacing	3
ELET 422 Advanced Stru. Prog. With C++	3	ELET 432 Senior Electronics Project	3
ENGT 333 Ethics & Pro. Eng. Practice	1	ELET 441 Electronics SR. Comp	0
***** Technical Elective	3	***** General Elective	3
	11 hrs		10 hrs

Bachelor of Science Degree in Computer Engineering Technology
Four Year Degree Plan - Total Credits: 133

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
ITEC 111 Orientation	1		
	17 hrs		14 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	MUSI 239 Fine Arts in Daily Living	3
MATH 241 Calculus & Geometry I	4	SC 135 Business & Prof. Comm.	3
POLS 231 American Pol Systems I	3	POLS 232 American Pol Systems II	3
ENG 2xx Upper level English	3		
	18 hrs		17 hrs

Third Year			
Fifth Semester		Sixth Semester	
ELET 313 Microprocessor Architecture Lab	1	ELET 411 Micro Computer Networks Lab.	1
ELET 343 Microprocessor Architecture	3	ELET 434 Micro Computer Networks	3
CMET 331 MicroComputer Operating System	3	ITEC 331 Technical Writing	3
MATH 345 Applied Math & Stat. for Tech.	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	HIST 232 Soc. Pol. His. of U.S.	3
HIST 231 Soc. Pol. His. of U.S.	3	***** General Elective	3
	17 hrs		17 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
ELET 422 Advanced Stru. Prog. With C++	3	CMET 417 Data Communication Methods Lab	1
CMET 412 Senior Project I	1	CMET 437 Data Communication Methods	3
CMET 415 Advanced MicroCom. Networks Lab	1	CMET 419 Micro Peripheral Hardware Lab	1
CMET 435 Advanced MicroCom. Networks	3	CMET 439 Micro Peripheral Hardware	3
CMET 416 Applied Microprocessor Soft. Lab	1	CMET 432 Senior Project II	3
CMET 436 Applied Microprocessor Soft	3	CMET 438 Artificial Intelligence	3
***** Technical Elective	3	CMET 441 Computer Eng. Tech. Comp. Exam	0
		CMET 470 Java Programming	3
		ITEC 412 Senior Seminar	1
	15 hrs		18 hrs

Bachelor of Science Degree in Computer Engineering Technology
Five Year Degree Plan - Total Credits: 133

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	DRFT 233 Intro to Computer Aided Design	3
ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
MATH 133 College Algebra	3	MATH 134 Plane Trigonometry	3
ITEC 111 Orientation	1		
	14 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
ELET 112 Electronics I Lab	1	CMET 331 MicroComputer Operating System	3
ELET 132 Electronics I	3	MATH 242 Calculus & Anal. Geometry	3
MATH 241 Calculus & Geometry I	4	HIST 232 Soc. Pol. His. of U.S	4
HIST 231 Soc. Pol. His. of U.S	3	SC 135 Business & Prof. Comm.	3
ENG 2xx Upper level English	3		
	14 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
ELET 214 Digital Logic Circuits Lab	1	ELET 213 Digital Hardware Design Lab	1
ELET 241 Digital Logic Circuits	3	ELET 243 Digital Hardware Design	3
MATH 345 Applied Math & Stat. for Tech.	3	ITEC 331 Technical Writing	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
POLS 231 American Pol. Systems I	3	POLS 232 American Pol. Systems II	3
	14 hrs		14 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
ELET 313 Microprocessor Architecture Lab	1	CMET 417 Data Communication Methods Lab	1
ELET 343 Microprocessor Architecture	3	CMET 437 Data Communication Methods	3
ELET 411 Micro Computer Networks Lab.	1	CMET 415 Advanced MicroCom. Networks Lab	1
ELET 434 Micro Computer Networks	3	CMET 435 Advanced MicroCom. Networks	3
ELET 422 Advanced Stru. Prog. With C++	3	CHEM 111 General Chemistry Lab	1
MUSI 239 Fine Arts in Daily Living	3	CHEM 131 General Chemistry	3
	14 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
CMET 416 Applied Microprocessor Soft. Lab	1	CMET 419 Micro Peripheral Hardware Lab	1
CMET 436 Applied Microprocessor Soft	3	CMET 439 Micro Peripheral Hardware	3
CMET 412 Senior Project I	1	CMET 432 Senior Project II	3
CMET 438 Artificial Intelligence	3	CMET 441 Computer Eng. Tech. Comp. Exam	0
***** Technical Elective	3	CMET 470 Java Programming	3
***** General Elective	3	ITEC 412 Senior Seminar	1
	14 hrs		11 hrs

Bachelor of Science Degree in Computer Engineering Technology
Six Year Degree Plan - Total Credits: 133

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
ENG 131 Freshman English I	3	ELET 130 Intro to Stru. Prog. with C++	3
MATH 133 College Algebra	3	ENG 132 Freshman English II	3
ITEC 111 Orientation	1	MATH 134 Plane Trigonometry	3
	11 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
ELET 112 Electronics I Lab	1	CMET 331 MicroComputer Operating System	3
ELET 132 Electronics I	3	MATH 242 Calculus & Anal. Geometry	4
MATH 241 Calculus & Geometry I	4	SC 135 Business & Prof. Comm.	3
ENG 2xx Upper level English	3	***** General Elective	3
	11 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
ELET 214 Digital Logic Circuits Lab	1	ELET 213 Digital Hardware Design Lab	1
ELET 241 Digital Logic Circuits	3	ELET 243 Digital Hardware Design	3
MATH 345 Applied Math & Stat. for Tech.	3	POLS 232 American Pol Systems II	3
POLS 231 American Pol Systems I	3	MUSI 239 Fine Arts in Daily Living	3
	10 hrs		10 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
ELET 422 Advanced Stru. Prog. With C++	3	CMET 417 Data Communication Methods Lab	1
ITEC 412 Senior Seminar	1	CMET 437 Data Communication Methods	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
HIST 231 Soc. Pol. His. Of U.S	3	HIST 232 Soc. Pol. His. Of U.S	3
	11 hrs		11 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
ELET 313 Microprocessor Architecture Lab	1	CMET 415 Advanced MicroCom. Networks Lab	1
ELET 343 Microprocessor Architecture	3	CMET 435 Advanced MicroCom. Networks	3
ELET 411 Micro Computer Networks Lab.	1	CHEM 111 General Chemistry Lab	1
ELET 434 Micro Computer Networks	3	CHEM 131 General Chemistry	3
DRFT 233 Intro to Computer Aided Design	3	ITEC 331 Technical Writing	3
	11 hrs		11 hrs

Sixth Year			
Eleventh Semester		Twelfth Semester	
CMET 416 Applied Microprocessor Soft. Lab	1	CMET 419 Micro Peripheral Hardware Lab	1
CMET 436 Applied Microprocessor Soft.	3	CMET 439 Micro Peripheral Hardware	3
CMET 412 Senior Project I	1	CMET 432 Senior Project II	3
CMET 438 Artificial Intelligence	3	CMET 441 Computer Eng. Tech. Comp. Exam	0
***** Technical Elective	3	CMET 470 Java Programming	3
	11 hrs		10 hrs

DEPARTMENT OF INDUSTRIAL TECHNOLOGIES

The academic disciplines of Construction Technology (CONS) and Drafting and Design Technology (DRFT) are offered through the Department of Industrial Technologies. **The Bachelor of Science (B.S.) in Industrial Technology is offered at the undergraduate level, and the Master of Science (M.S.) in Industrial Technology is offered at the graduate level.** 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.** Members of the Department are housed on the second floor of the Leonard H.O. Spearman Technology Building with the Department Office located in Room 211.

Students who are interested in the Master of Science in Industrial Technology should refer to the Graduate School Bulletin of Texas Southern University for further information.

In seeking the B.S. in Industrial Technology through this unit, students may select from two (2) different curriculum tracks 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 tracks.** Detailed information on both tracks 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 General University Academic Center (GUAC), 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, 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).

Course descriptions and detailed programs of study (including the sequencing of courses that must be taken) follow this section. Grades less than “C”, including “C-”, are unacceptable in courses specific to the major. Students requiring additional information should contact the Department Office either directly or by calling (713)-313-7679.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Horner, Jessie E. Associate Professor B.S., Northwestern State University M.S., Texas Southern University Ed.D., University of Houston</p>	<p>Lott, Carl B. Assistant Professor B.S., M.S., Ed.D., Texas Southern University</p>
<p>Lewis, J. Jonathan, CSIT Associate Professor A.A., Kingsboro College B.B.A., Jones College M.S., Ed.D., Texas Southern University</p>	<p>Osakue, Edward E. Assistant Professor B.Eng., University of Benin M.Eng., University of Benin Ph.D., University of New Brunswick</p>

CONSTRUCTION TECHNOLOGY COURSES

- CONS 131 Introduction to Construction Development (3)**
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
- CONS 141 Construction Materials and Methods (3)**
Sources, properties, acceptable and recommended applications of industrial materials in the construction industry. Two hours of lecture week and two hours of laboratory per week.
- CONS 242 Framing Principles (3)**
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 and four hours of lab per week. Prerequisite: CONS 141.
- CONS 243 Energy Efficiency and Construction (3)**
Sizing, designing, and laying out of electrical and mechanical systems for maximum efficiency in residential and light commercial buildings. Solar and alternative energy emphasized. One hour of lecture and four hours of lab per week. Prerequisite: CONS 242.
- CONS 244 Construction Safety (3)**
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.
- CONS 331 Models and Presentations (3)**
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 and four hours of laboratory per week. Prerequisites: DRFT 133, DRFT 232 and CONS 242.
- CONS 333 Quantity Surveying (3)**
Quantity surveying for construction and engineering along with bid preparation and analysis where computer applications are emphasized. Two hours of lecture and two hours of laboratory per week. Prerequisite: Consent of the instructor.
- CONS 334 Concrete Technology (3)**
Methods for forming concrete, concrete elements and handling, and reinforced concrete. One hour of lecture and four hours of laboratory per week. Prerequisites: CONS 242 and DRFT 133.
- CONS 341 MEPFI Systems (3)**
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 and two hours of laboratory per week. Prerequisites: CONS 242 and DRFT 232 or the equivalents.
- CONS 344 Construction Management I (3)**
Study of the principles of construction systems management with emphasis on stages of construction, management information systems, and operations management. One hour of lecture and four hours of laboratory per week. Prerequisite: CONS 334.
- CONS 433 Estimating (3)**
Instruction in making materials and labor estimates for residential and light commercial buildings primarily from the use of working drawings. One hour of lecture and four hours of laboratory per week. Prerequisites: CONS 242 and DRFT 232 or the equivalents.

- CONS 435** **Contracts and Specifications** **(3)**
 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.
- CONS 436** **Construction Management II** **(3)**
 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 and two hours of laboratory per week. Prerequisite: Senior standing or consent of the instructor.
- CONS 437** **Construction Problems** **(3)**
 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.
- CONS 451** **Mechanical Systems** **(3)**
 Principles of air conditioning and heating systems used in commercial and residential buildings with emphasis on planning and designing systems. One hour of lecture and four hours of laboratory per week. Prerequisite: Consent of the instructor.
- CONS 475** **Facilities Management** **(3)**
 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 and two hours of laboratory per week. Prerequisite: Senior level or Consent of the instructor.

DRAFTING AND DESIGN TECHNOLOGY COURSES

- DRFT 131** **Fundamentals of Drafting** **(3)**
 Emphasis on geometric construction, freehand sketching, orthographic and axonometric projections. Introduction to computer aided drafting included. One hour of lecture and four hours of laboratory per week.
- DRFT 132** **Descriptive Geometry** **(3)**
 Folding line relationships and notations, auxiliary views, angles between plane revolutions, and intersections. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 131.
- DRFT 133** **Architectural Drafting** **(3)**
 Fundamental architectural drafting practices related to developing working drawings for residential and light commercial buildings. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 131. **Listed as ARCH 2201 in the Texas Common Course Numbering System.**
- DRFT 134** **Mechanical Drawing** **(3)**
 Emphasis on orthographic and auxiliary projection, threads and fasteners, machine drawings and perspectives. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 131.
- DRFT 136** **Architectural Rendering** **(3)**
 Artistic requirements in architecture, including emphasis on perspectives, shapes, shadows, and color presentations. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 133.
- DRFT 231** **Pipe Drafting** **(3)**
 Piping terminology, charts, tables, and practices in providing single and double line drawings. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 134.

DRFT 232	Architectural Design (3) Study of the influences, which determine the appearances of architectural structures. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 133.
DRFT 233	Introduction to Computer-Aided Design (3) Basic concepts, operations, and procedures necessary for producing engineering drawings on the computer. One hour of lecture and four hours of laboratory per week. Listed as ARCH 1315 in the Texas Common Course Numbering System.
DRFT 331	Pipe System Design (3) Problems in piping design-utilizing vendor furnished equipment specifications and drawings, Smoley's tables, and related control documents. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 231. Offered as needed.
DRFT 333	Machine Design (3) Theory and practice of design characteristics of studying gears, cams, and complete assembly drawings of small machines. One hour of lecture and four hours of laboratory per week. Prerequisites: DRFT 134. Offered as needed.
DRFT 336	Computer-Aided Design (3) Advanced concepts of computer-aided design (CAD) utilizing the more complex capabilities of the equipment and software. One hour of lecture and four hours of laboratory per week.
DRFT 430	Advanced Computer-Aided Design (3) Continuation of DRFT 233 with emphasis on advanced solid modeling and detailed assembly. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 233.
DRFT 431	Structural Drafting and Design (3) Fabrication, connectors and seats for beams, girders, columns, and trusses adhering to AISC standards. One hour of lecture and four hours of laboratory per week. Prerequisites: DRFT 133 and consent of the instructor.
DRFT 432	Senior Design Project (3) Integration of previous knowledge in the development of a design project. One hour of lecture and four hours of laboratory per week. Prerequisites: Senior standing and consent of the Faculty Chair.

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 (3) Manufacturing processes for industrial plastics, wood, and wood composite materials. Production methods, process equipment, tooling, jogs, and fixtures for plastics, wood, and wood composites used in manufacturing. One hour of lecture and four hours of laboratory per week.
MFG 231	Manufacturing Processes (3) Study of engineering materials and processes as they pertain to the manufacture of industrial products. Three hours of lecture per week.
MFG 232	Manufacturing Technology II (3) Manufacturing processes for ferrous and non-ferrous metals. Precision machine tool operations, including grinding, drilling, shaping, milling, and turning. One hour of lecture and four hours of laboratory per week. Prerequisite: MFG 131.
MFG 331	CNC Computer Programming (3) Theory of computer-aided parts programming. Methods of programming CNC machines; set up and operation with emphasis on two, three, and multiple axis machines, mills, lathes, and robots. One hour of lecture and four hours of laboratory per week. Prerequisite: Consent of the instructor.
MFG 332	Robotics Technology (3) Automated technology through the use of industrial robots; theory of electromechanical, hydraulic, and pneumatic robots in manufacturing; robots for processing, assembly, and material handling. One hour of lecture and four hours of laboratory per week. Prerequisite: MFG 331.
MFG 333	Strength of Materials (3) Study of the physical properties of a variety of industrial materials. One hour of lecture and four hours of laboratory per week. Prerequisites: Junior standing and consent of the instructor.
MFG 432	Flexible Manufacturing Systems (3) Introduction to computer integrated manufacturing and flexible manufacturing systems. Planning, organization, and management of automated computer controlled systems. One hour of lecture and four hours of laboratory per week. Prerequisite: MFG 331.
MFG 433	Manufacturing Technology Problems (3) 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 and four hours of laboratory per week. Prerequisites: Senior standing and consent of the instructor.

Bachelor of Science Degree in Industrial Technology
 Construction Technology
 National Association of Industrial Technology (NAIT) Approved
 Four Year Degree Plan - Total Credits: 125

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 111 DC Circuits Lab	1
GEOL 141 Geology Lec and Lab	4	ELET 131 DC Circuits Lec	3
ITEC 111 Orientation	1	ENG 132 Freshman English II	3
MATH 133* College Algebra	3	MATH 134 Trigonometry	3
	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	Elective**	3
	18 hrs		18 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	Elective**	3
		Comprehensive Examination	
	12 hrs		10 hrs

*Pending acceptable score on English and Mathematics Placement Examination and Drafting 131.

**Elective courses for Industrial Technology majors pursuing the Construction Technology Track include: MGMT 300 (3), MGMT 400 (3), CIVT 224 (3), CONS 244 (3), CONS 451 (3), and DRFT 232 (3)

Bachelor of Science Degree in Industrial Technology
 Construction Technology
 National Association of Industrial Technology (NAIT) Approved
 Five Year Degree Plan - Total Credits: 125

First Semester		Second Semester	
ART 131 Drawing and Composition I	3	CONS 141 Methods and Materials II	3
CONS 131 Intro to Const Develop	3	DRFT 132* Descriptive Geometry	3
CS 116 Intro to Computer Science I Lec	3	ELET 111 DC Circuits Lab	1
ENG 131* Freshman English I	3	ELET 131 DC Circuits Lec	3
ITEC 111 Orientation	1	ENG 132 Freshman English II	3
	13 hrs		13 hrs

Third Semester		Fourth Semester	
ECON 231 Principles of Economics	3	ENG 2xx Upper Level English	3
DRFT 133 Architectural Drafting	3	GEOL 141 Geology Lab and Lec	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
MATH 133* College Algebra	3	MATH 134 Trigonometry	3
	12 hrs		13 hrs

Fifth Semester		Sixth Semester	
CIVT 231 Surveying I	3	ACCT 231 Principles of Accounting	3
CONS 242 Framing Principles	3	ITEC 331 Technical Writing	3
POLS 231 American Political Systems I	3	POLS 232 American Political Systems II	3
SC 135 or 136 Business & Professional Communication or Public Address	3	PHYS 213/237 College Physics I Lec and Lab	4
	12 hrs		13 hrs

Seventh Semester		Eighth Semester	
CONS 333 Quantity Surveying	3	CONS 334 Concrete Technology	3
CONS 344 Construction Management I	3	CONS 341 (MEPFI) Intro to Mechanical, Electrical, Plumbing, Fire and Information distribution Systems	3
DRFT 431 Structural Drafting and Design	3	ITEC 333 Supervision and Management	3
MFG 333 Strength of Materials	3	ITEC 439 Industrial Safety	3
	12 hrs		12 hrs

Ninth Semester		Tenth Semester	
COE 433 Cooperative Education	3	CONS 433 Estimating	3
CONS 436 Construction Management II	3	CONS 435 Contracts and Specifications	3
CONS 437 Construction Problems	3	ITEC 412 Senior Seminar	1
CONS 475 Facilities Operations	3	Elective**	3
Elective**	3	Comprehensive Examination	
	15 hrs		10 hrs

*Pending acceptable score on English and Mathematics Placement Examination and Drafting 131.

**Elective courses for Industrial Technology majors pursuing the Construction Technology Track include: MGMT 300 (3), MGMT 400 (3), CIVT 224 (3), CONS 244 (3), CONS 451 (3), and DRFT 232 (3)

Bachelor of Science Degree in Industrial Technology
 Construction Technology
 National Association of Industrial Technology (NAIT) Approved
 Six Year Degree Plan - Total Credits: 125

First year			
First Semester		Second Semester	
ART 131 Drawing and Composition I	3	CONS 141 Materials and Methods	3
CONS 131 Introduction to Cons Development	3	DRFT 132* Descriptive Geometry	3
CS 116 Introduction to Computer Science	3	ELET 111 DC Circuits Lab	1
ENG 131* Freshman English I	3	ELET 131 DC Circuits Lec	3
ITEC 111 Orientation	1	ENG 132 Freshman English II	3
	13 hrs		13 hrs
Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English	3	MATH 134 Trigonometry	3
MATH 133* College Algebra	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 232 American Political Systems II	3
POLS 231 American Political Systems I	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	12 hrs		12 hrs
Third Year			
Fifth Semester		Sixth Semester	
CIVT 231 Surveying I	3	ACCT 231 Principles of Accounting	3
CONS 242 Framing Principles	3	CONS 334 Concrete Technology	3
DRFT 133 Architectural Drafting	3	ECON 231 Principles of Economics	3
GEOL 141 Geology Lec and Lab	4	PHYS 213/237 College Physics I Lec and Lab	4
	13 hrs		13 hrs
Fourth Year			
Seventh Semester		Eighth Semester	
CONS 333 Quantity Surveying	3	CONS 433 Estimating	3
CONS 341 (MEPFI) Intro to Mechanical, Electrical, Plumbing, Fire and Information distribution Systems	3	ITEC 331 Technical Writing	3
MFG 333 Strength of Materials	3	ITEC 439 Industrial Safety	3
	9 hrs		9 hrs
Fifth Year			
Ninth Semester		Tenth Semester	
COE 433 Cooperative Education	3	CONS 436 Construction Management II	3
CONS 344 Construction Management I	3	CONS 437 Construction Problems	3
ITEC 333 Supervision and Management	3		
	9 hrs		6 hrs
Sixth Year			
Eleventh Semester		Twelfth Semester	
DRFT 431 Structural Drafting	3	CONS 435 Contracts and Specifications	3
CONS 475 Facilities Operations	3	ITEC 412 Senior Seminar	1
Elective**	3	Elective**	3
	9 hrs		7 hrs

*Pending acceptable score on English and Mathematics Placement Examination and Drafting 131.

**Elective courses for Industrial Technology majors pursuing the Construction Technology Track include: MGMT 300 (3), MGMT 400 (3), CIVT 224 (3), CONS 244 (3), CONS 451 (3), and DRFT 232 (3)

Bachelor of Science Degree in Industrial Technology
 Design Technology
 National Association of Industrial Technology (NAIT) Approved
 Four Year Degree Plan - Total Credits: 125

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	ELET 111 DC Circuits Lab	1
ITEC 111 Orientation	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 Advanced 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
Elective	3	Elective	3
		Comprehensive Exam	
	15 hrs		13 hrs

*Pending acceptable score on English and Mathematics Placement Examinations.

Bachelor of Science Degree in Industrial Technology
 Design Technology
 National Association of Industrial Technology (NAIT) Approved
 Five Year Degree Plan - Total Credits: 125

First Year			
First Semester		Second Semester	
CS 116 Introduction to Computer Science I	3	DRFT 132 Descriptive Geometry	3
DRFT 131 Fundamentals of Drafting	3	ELET 111 DC Circuits Lab	1
ENG 131* Freshman English I	3	ELET 131 DC Circuits Lec	3
ITEC 111 Orientation	1	ENG 132 Freshman English II	3
MATH 133* College Algebra	3	MATH 134 Plane Trigonometry	3
	13 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
CHEM 111 General Chemistry I Lab	1	CONS 141 Methods and Materials	3
CHEM 131 General Chemistry I Lec	3	DRFT 134 Mechanical Drafting	3
DRFT 133 Architectural Drafting	3	DRFT 232 Architectural Design	3
MATH 135 Math for Business & Econ Analysis	3	ENG 2xx Upper level English	3
PSY 131 Introduction to Psychology	3		
	13 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
DRFT 231 Pipe Drafting	3	ACCT 231 Principles of Accounting	3
DRFT 233 Basic Computer Drafting	3	HIST 232 Social & Political History of the United States since 1877	3
MFG 231 Manufacturing Processes	3	PHYS 213/237 College Physics I Lab and Lec	4
HIST 231 Social & Political History of the United States to 1877	3	SC 135 Business & Professional Communication	3
	12 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
DRFT 333 Machine Design	3	ART 131 Drawing and Composition I	3
ITEC 333 Supervision and Management	3	DRFT 336 Computer Aided Design	3
MFG 333 Strength of Materials	3	ITEC 331 Technical Writing	3
POLSC 231 American Political System I	3	POLSC 232 American Political System II	3
	12 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
CONS 333 Quantity Surveying	3	DRFT 430 Advanced CAD	3
DRFT 431 Structural Drafting and Design	3	DRFT 432 Senior Design Project	3
ENGT 431 Quality Control and Assurance	3	ITEC 412 Senior Seminar	1
Elective	3	ITEC 439 Industrial Safety	3
		Elective	3
	12 hrs		13 hrs

*Pending acceptable score on English and Mathematics Placement Examinations

Bachelor of Science Degree in Industrial Technology
 Design Technology
 National Association of Industrial Technology (NAIT) Approved
 Six Year Degree Plan - Total Credits: 125

First Year			
First Semester		Second Semester	
CS 116 Introduction to Computer Science	3	DRFT 132 Descriptive Geometry	3
DRFT 131 Fundamentals of Drafting	3	ELET 111 DC Circuits Lab	1
ENG 131* Freshman English I	3	ELET 131 DC Circuits Lec	3
ITEC 111 Orientation	1	ENG 132 Freshman English II	3
MATH 133* College Algebra	3	MATH 134 Trigonometry	3
	13 hrs		13 hrs

Second Year			
Third Semester		Fourth Semester	
CHEM 111 General Chemistry I Lab	1	CONS 141 Methods and Materials	3
CHEM 131 General Chemistry I Lec	3	DRFT 134 Mechanical Drafting	3
DRFT 133 Architectural Drafting	3	PSY 131 General Psychology	3
ENG 2xx	3	SC 135 Business & Professional Communication	3
POLS 231 American Political Systems I	3		
	13 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
DRFT 233 Basic Computer Drafting	3	ACCT 231 Principles of Accounting	3
DRFT 231 Pipe Drafting	3	DRFT 232 Architectural Design	3
MATH 135 Math for Business & Econ Analysis	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
	12 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
ITEC 333 Supervision and management	3	DRFT 336 Computer Aided-Design	3
MFG 231 Manufacturing Processes	3	HIST 232 Social & Political History of the United States since 1877	3
MFG 333 Strength of Materials	3	ITEC 331 Technical Writing	3
	9 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
CONS 333 Quantity Surveying	3	ART 131 Drawing and Composition I	3
DRFT 333 Machine Design	3	DRFT 430 Advanced CAD	3
DRFT 431 Structural Drafting	3	ITEC 439 Industrial Safety	3
		ITEC 412 Senior Seminar	1
	9 hrs		10 hrs

Sixth year			
Eleventh Semester		Twelfth Semester	
ENGT 431 Quality Control and Assurance	3	DRFT 432 Senior Design Project	3
Elective	3	Elective	3
		Comprehensive Examination	
	6 hrs		6 hrs

*Pending acceptable score on English and Mathematics Placement Examinations.

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.

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 120 semester credit hours satisfactorily completed.

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.

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 General University Academic Center (GUAC), and must petition the Department for admission as ASSET requirements are completed. Once admitted to the Department, students are each assigned an official advisor who must be consulted on a semesterly 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.**

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.

In summary, students must first gain admission to the University; must meet their ASSET responsibility; and must petition the Department for admission as ASSET requirements are met.

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>Bell, Della D. Professor B.S., Lamar University M.Ed., Ph.D., University of Texas at Austin</p>	<p>Holmes, Roderick Assistant Professor B.S., M.S., Texas Southern University Ph.D., University of Houston</p>
<p>Chilakamarri, Kiran B. Associate Professor Ph.D., Ohio State University</p>	<p>Jenkins, Herman J. Assistant Professor B.A., M.S., Texas Southern University</p>
<p>Clarkson, Llayron L. Joseph A. Pierce Professor B.A., Texas State University M.S., Texas Southern University Ph.D., University of Texas at Austin</p>	<p>Nehs, Robert M. Associate Professor B.S., Marquette University M.S., Rice University Ph.D., University of Houston</p>
<p>Ekwo, Maurice Visiting Professor B.S., Texas Southern University M.S. Stephen F. Austin State University Ph.D., Oklahoma State University</p>	<p>Obot, Victor Professor B.S., Eastern Mennonite College M.S., Wright State University Ph.D., University of Tulsa</p>
<p>Evans, Joan Instructor B.S. Texas Southern University M.S. Texas Southern University Ed.D. Texas Southern University</p>	<p>Taylor, Willie E. Professor B.S., M.S., Prairie View A & M University Ph.D., University of Houston</p>
<p>Ginn, James E. Professor A.B., Clark College M.A., Atlanta University Ph.D., Texas A & M University</p>	<p>Wardlaw, Alvin Associate Professor B.S., Morehouse College M.S., Atlanta University</p>
<p>Glenn, Nancy Assistant Professor B.S. in Math, University of South Carolina B.S. in Statistics, University of South Carolina Ph.D. Rice University</p>	<p>Wu, Tong Instructor B.S., Harbin Science & Technology University M.S., Harbin Institute of Technology M.S., Texas Southern University</p>
<p>Guha, Shyamal K. Associate Professor B.Sc., Indian Institute of Technology M.A., University of California at Berkeley Ph.D., St. Louis University</p>	

MATH 243	Calculus and Analytic Geometry III (4) 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.
MATH 250	Linear Algebra (3) 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.
MATH 251	Differential Equations (3) 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.)
MATH 331	Logic, Sets, and Functions (3) 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.
MATH 335	Foundations of Geometry (3) Logic and postulates relating to geometries. Modern plan 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.
MATH 336	Foundations of Algebra (3) Introduction to mathematical systems such as groups, rings, and fields. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 331.
MATH 345	Applied Mathematics and Statistics for Technology (3) 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.
MATH 375	Linear Mathematics (3) 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.
MATH 376	Applied Mathematical Analysis (3) 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.
MATH 430	The History of Mathematics (3) 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.
MATH 431	Uses of Computers in Mathematics (3) 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.
MATH 433	Concepts and Structure of Mathematics (3) 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.

MATH 437	A Survey of Mathematical Ideas (3) 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.
MATH 439	Advanced Calculus I (3) 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.
MATH 440	Advanced Calculus II (3) 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.
MATH 460	Introduction to Complex Analysis (3) 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.
MATH 462	Introduction to Topology (3) 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.
MATH 471	Topics in Mathematics I (3) New developments and trends in mathematics discussed. Three hours of lecture per week. Prerequisite: Consent of the instructor.
MATH 472	Topics in Mathematics II (3) Continuation of MATH 471. Three hours of lecture per week. Prerequisite: Consent of the instructor.
MATH 473	Probability and Statistics I (3) 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.
MATH 474	Probability and Statistics II (3) 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.
MATH 475	Introduction to Modern Algebra (3) 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.
MATH 490	Independent Study: Undergraduate (3) Intensive study of a topic in mathematics under the direction of a faculty member. Prerequisites: Senior standing and consent of the instructor.
MATH 499	Seminar (3) Various topics in mathematics discussed. Three hours of lecture per week. Prerequisite: Consent of the instructor.

Bachelor of Science Degree in Mathematics
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
MATH 241** Calculus & Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry II	4
BIOL 143 Survey of Life Sciences or	4	GEOLOGY 141 Intro. To the Earth or	4
CHEM 111 General Chemistry I Lab		CHEM 112 General Chemistry II Lab	
CHEM 131 General Chemistry I Lec.		CHEM 132 General Chemistry II Lec.	
SC 135 or 136 Business and Professional Communication or public address	3	Visual and Performing Arts***	3
PE (select from 100 level courses)	1	PE (select from 100 level courses)	1
	15 hrs		15 hrs

Second Year			
Third Semester		Fourth Semester	
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 Lec	3
CS 116 Computer Science I Lec	3	Course in Minor Field	3
	16 hrs		15 hrs

Third Year			
Fifth Semester		Sixth Semester	
MATH 331 Logic, Sets, & Functions	3	MATH 251 Differential Equations	3
Foreign Language or CS Elective	3	MATH 473 Probability and Statistics I	3
HEALTH Ed 233 History and Principles of Health	2	Foreign Language or CS Elective	3
PHYS 116 University Physics I Lab	1	PHYS 217 University Physics II Lab	1
PHYS 152 University Physics I Lec	3	PHYS 251 University Physics II Lec	3
Course in Minor Field	3	Course in Minor Field	3
	15 hrs		16 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
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 218 University Physics III Lab	1	Course in Minor Field	3
PHYS 252 University Physics III Lec	3	Course in Minor Field	3
Course in Minor Field	3		
Social and Behavioral Sci:****	3		
	16 hrs		15 hrs

* 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 340, 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 218, 252.

Bachelor of Science Degree in Mathematics
Five Year Degree Plan - Total Credits: 123

First Year			
First Semester		Second Semester	
ENG* 131 Freshman English I	3	ENG 132 Freshman English II	3
MATH** 241 Calculus and Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry II	4
BIOL 143 Survey of Life Sciences or	4	GEOLOGY 141 Intro. To the Earth or	4
CHEM 111 General Chemistry I Lab		CHEM 112 General Chemistry II Lab	
CHEM 131 General Chemistry I Lec.		CHEM 132 General Chemistry II Lec	
PE (select from 100 level courses)	1	PE (select from 100 level courses)	1
	12 hrs		12 hrs
Second Year			
Third Semester		Fourth Semester	
ENG (any 200 series)	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	CS 117 Computer Science II Lec	3
CS 116 Computer Science I Lec	3	Course in Minor Field	3
	13 hrs		12 hrs
Third Year			
Fifth Semester		Sixth Semester	
MATH 331 Logic, Sets, & Functions	3	MATH 251 Differential Equations	3
Foreign Language or CS Elective	3	Foreign Language or CS Elective	3
Health Ed 233 History & Principles of Health	2	PHYS 217 University Physics II Lab	1
PHYS 116 University Physics I Lab	1	PHYS 251 University Physics II Lec	3
PHYS 152 University Physics I Lec	3	Course in Minor Field	3
	12 hrs		13 hrs
Fourth year			
Seventh Semester		Eighth Semester	
MATH 439 Advanced Calculus I	3	MATH (6hrs. selected from upper division courses)	6
MATH Elective (3hrs. selected from upper division course)	3	Course in Minor Field	3
PHYS 218 University Physics III Lab	1	Course in Minor Field	3
PHYS 252 University Physics III Lec	3		
Course in Minor Field	3		
	13 hrs		12 hrs
Fifth Year			
Ninth Semester		Tenth Semester	
SC 135 or 136 Business and Professional Communication or public address	3	Visual and Performing Arts***	3
POL SCI 231 American Political Systems I	3	POL SCI 232 American Political Systems II	3
Course in Minor Field	3	Course in Minor Field	3
Social & Behavioral Sci****	3	MATH 473 Probability and Statistics I	3
	12 hrs		12 hrs

* 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 340, 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 218, 252.

Bachelor of Science Degree in Mathematics
Six Year Degree Plan - Total Credits: 123

First year			
First Semester		Second Semester	
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 or	4	GEOLOGY 141 Intro. To the Earth or	4
CHEM 111 General Chemistry I Lab		CHEM 112 General Chemistry II Lab	
CHEM 131 General Chemistry I Lec.		CHEM 132 General Chemistry II Lec.	
	11 hrs		11 hrs
Second Year			
Third Semester		Fourth Semester	
ENG 2xx Upper level English	3	MATH 250 Linear Algebra	3
MATH 243 Calculus & Analytic Geometry III	4	CS 117 Computer Science II Lec	3
CS 116 Computer Science I Lec	3	Course in Minor Field	3
	10 hrs		9 hrs
Third Year			
Fifth Semester		Sixth Semester	
MATH 331 Logic, Sets, & Functions	3	MATH 251 Differential Equations	3
HEALTH Ed 233 History and Principles of Health	2	PHYS 217 University Physics II Lab	1
PHYS 116 University Physics I Lab	1	PHYS 251 University Physics II Lec	3
PHYS 152 University Physics I Lec	3	Course in Minor Field	3
	9 hrs		10 hrs
Fourth Year			
Seventh Semester		Eighth Semester	
MATH 439 Advanced Calculus I	3	MATH (6 hrs. selected from upper division courses)	6
MATH Elective (3hrs. upper division course)	3	Course in Minor Field	3
PHYS 218 University Physics III Lab	1	PE (select from 100 level courses)	1
PHYS 252 University Physics III Lec	3		
PE (select from 100 level courses)	1		
	11 hrs		10 hrs
Fifth Year			
Ninth Semester		Tenth Semester	
SC 135 or 136 Business and Professional Communication or public address	3	Visual and Performing Arts***	3
POL SCI 231 American Political Systems I	3	POL SCI 232 American Political Systems II	3
Course in Minor Field	3	MATH 473 Probability and Statistics I	3
	9 hrs		9 hrs
Sixth Year			
Eleventh Semester		Twelfth Semester	
HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
Foreign Language or	3	Foreign Language or	3
CS Elective		CS Elective	
Course in Minor Field	3	Course in Minor Field	3
Social & Behavioral Science****	3	Course in Minor Field	3
	12 hrs		12 hrs

* 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 340, 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 218, 252.

DEPARTMENT OF PHYSICS

The Department of Physics (PHYS) is an undergraduate program emphasizing instruction in contemporary areas in basic and applied physics as articulated within the six concentrations detailed below. Each of these leads to the Bachelor of Science (B.S.) degree in physics, and require a minimum of 120 credit hours. A Minor in Physics is also offered requiring at least 27 credit hours in basic courses (PHYS: 116, 151, 152, 218, 247, 248, 252, 271, 272, 333, 353), with the department's approval. Currently, the department is housed in various offices within the Spearman Technology Building. The Chair is located in Room 147; additional faculty offices are located in Suite 106. 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>; that of the National Society of Hispanic Physicists (NSHP), <http://www.nshp.org>. Through the department's web site, free online courses will be made available to the general public, as they are developed.

The study of physics will produce graduates with exceptional problem solving capabilities impacting all professional areas particularly those in the sciences, technology, engineering, and mathematics (STEM) fields. The successful graduate 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.

In addition to the Concentrations (Tracks) defined below currently offered at TSU, articulation agreements are being presently developed between TSU and other institutions expanding the academic offerings available to physics majors. Of particular importance is the existing relationship with the University of Texas at Brownsville (TSU-UTB) which offers one of the most competitive programs in Astrophysics, by international standards. Their primary area of expertise is gravitational wave astronomy (supported through the Center for Gravitational Wave Astronomy, <http://cgwa.phys.utb.edu/>), which will continue to be an important area of research for many years to come. A course of study exploiting this TSU-UTB relationship can be designed, on an individual basis for any interested students.

Requirements for the B.S. in Physics are summarized below, and within each concentration area. Depending on the area of concentration, different levels of departmental review and permission are required. Students may elect either the two semester calculus based physics sequence "Physics for Engineers" (i.e. PHYS 245 and 246, with Labs PHYS 215 and 216) or the calculus based three semester sequence "University Physics I-III" (i.e. PHYS 152, 251, 252 with Labs 116, 217, and 218). The second is strongly recommended, particularly for students with weak advanced mathematics backgrounds (i.e. multidimensional calculus, vector calculus, linear algebra, etc.). Each declared physics major/minor will be assigned an advisor. All semester course loads must be approved by their advisor. In all cases, students must adhere to the course sequences (i.e. prerequisites and co-requisites) enumerated within the various concentrations. This is because the curriculum is structured in a mutually supporting manner (i.e. different courses build upon each other and prepare students for future courses, particularly those placing high demands in advanced mathematics). Physics majors are not required to have a minor, this is because the scope of our program offers significant immersion in advanced mathematics and scientific computing.

Students must earn grades of "C" or better in all courses specific to the major or minor (i.e. physics and mathematics courses). During the fifth semester, all students must take one semester of quantum mechanics and one semester of electricity and magnetism. The Concentration areas normally begin around the fifth semester, and have varying academic standards for admission and continuation, as indicated previously. There is no exit exam for seniors.

For each of the areas of concentration (i.e. Tracks), Degree plans for completing the B.S. in physics in four, five, and six years are provided. The exception to this is the track for Pre-Pharmaceutical Physical Sciences, which is only for the most competitive student able to assume a 19-20 credit limit each semester, for six consecutive semesters. The real intent of this track is to expand the professional and research based opportunities for the best students considering admission into the Pre-pharmacy program at TSU. Students accepted into this program cannot work off campus during the normal academic year; and they must provide evidence that they can adhere to a rigorous study plan. A four, five, six, year version of this track is also provided.

It is the intention of the physics program to offer online versions of all courses, as well as evening sections, when necessary. This should enable students to prosecute their studies, and graduate on time.

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 major/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.

Concentration Areas

The six concentration areas leading to the B.S. in Physics are: Engineering Physics, Health Physics, Mathematical-Computational Physics, (Pre) Medical – Radiation Physics, Physics Education, and Pharmaceutical-Physical Sciences. All of the Concentrations emphasize the same basic curriculum through the first four semesters. Admission requirements for the different concentrations are indicated below.

Engineering Physics

The objective of this concentration is to train students in the fundamental and applied aspects of nanophysics and nano-engineering. Current technological trends emphasize the importance of new materials engineered at the molecular level impacting the next generation of electronic devices and advanced medical therapies. Competency in this area requires both theoretical and computational understanding of quantum physics. This concentration requires a minimum of 121 credit hours. Approval for this Concentration requires an overall GPA of 2.7 or better in all physics and mathematics coursework through the first five semesters. The department is developing close ties with leading graduate programs in engineering physics that may facilitate the transfer of successful majors into these M.S./Ph.D. granting institutions.

Health Physics

This concentration provides core training in nuclear physics, radiation detection and protection, with some additional emphasis on environmental health physics. Health Physicists are in great demand, particularly with the recognition that nuclear energy is becoming a more important, non-fossil fuel, alternative. The proper monitoring of safe working environments at medical, industrial, and government laboratory facilities requires professionals with knowledge of the complex nuclear processes underlying the various technologies. Successful graduates will be able to enter the work force upon graduation, or continue onto elite graduate programs. Acceptance into this concentration requires approval from the Director of Health Physics. Students with an overall GPA of 3.0 or better in all physics and mathematics coursework through the first five semesters are preferred. The department is developing close ties with leading graduate programs in health physics/sciences (i.e. UT-Austin, Texas A & M –College Station, The University of Texas Health Science Center, <http://www.uthouston.edu/>; etc..) that may facilitate the transfer of successful majors into these M.S./Ph.D. granting institutions. The number of credit hours required is 125.

Mathematical-Computational Physics

This concentration emphasizes a high level of training in advanced mathematical and computational physics. Students in this concentration are expected to continue onto the Ph.D. in physics at the elite universities; however, some may be eligible for immediate employment in industry and government in areas demanding computational modeling capabilities. Evidence of continued and increasing intellectual maturity is required for admission into this concentration. A senior level thesis is required (for two semesters), as well as participation in student led, senior year workshop/seminars. The number of credit hours required is 121.

(Pre) Medical – Radiation Physics

The objective of this Concentration is to produce graduates who can enter the workforce or continue onto graduate programs in medical physics or other radiation oriented programs. Traditionally, medical physics is a graduate program. The present concentration prepares students for entry into such graduate programs. This is the reason for the prefix “Pre”. TSU is one of the few undergraduate programs in this area. The requirements for admission are the same as those for the Health Physics concentration. The credit load required is 129. This program offers a solid background to aspiring professionals in medical physics and radiology.

Physics Education

This track will produce exceptional high school physics teachers. Students take 100 credit hours of core and basic physics courses, and 23 credit hours within the College of Education (total credits 123). Students must consult with the College of Education (COE) to determine their requirements. The present concentration is modeled after its counterpart in mathematics which recommends the Education courses EDCI: 310,328,340,350,464, and Reading courses 400 and 402. These courses are offered as possible examples. The specific Education courses are determined by COE.

Pre-Pharmaceutical-Physical Sciences

This is an exciting new (honors-level) concentration exclusively intended for entering (or transferring) students with advanced standing in calculus (i.e. A.P. Calculus) sufficient for being excused from having to take any calculus courses at TSU. Students will complete all core courses and designated physics and mathematics courses within three years (20 semester hours for each of the six semesters matriculated). The program emphasizes a full five semester load of physics (including quantum physics), and heavy loads in biology and chemistry courses. The objective of this program is to produce students who might want to pursue advanced degrees in pharmaceutical sciences (i.e. computational drug design, etc.), pharmacology, quantum chemistry, molecular biophysics, etc.. Admission to this concentration is highly selective. All eligible students will qualify for full scholarship and a living allowance. Admitted students will be expected to maintain a B average in all science, math, and computer science courses, and an overall average of C+ in all courses. The credit load is 120 credit hours over three years. Students may elect to spread the load over four years, if desired.

Questions may be directed to the Department Office at (713)-313-7980.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Bessis, Daniel Professor Director of the Mathematical Physics Program 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>Perotti, Luca Visiting Assistant Professor Laurea, Università degli Studi di Milano M.S., University of Pittsburgh Ph.D., University of Pittsburgh</p>
<p>Chu, Rambis K. H. Associate Professor B.S., Texas Southern University M.S., University of Houston – University Park Ph. D., University of Houston – University Park</p>	<p>Stefanova, Elena A. Visiting Assistant Professor Director of the Health Physics and Pre-Medical Physics Programs M.S., University of Sofia “St. Kliment Ohridsky” Ph.D., Bulgarian Academy of Science</p>
<p>Handy, Carlos R. Professor and Chairperson Director of the Center for Optimization Studies in the Applied Sciences (COSAS) B.A., Columbia College M.A., Columbia University M. Ph., Columbia University Ph.D., Columbia University</p>	<p>Tsenov, Boris G. Adjunct Faculty M.S., Engineering Physics, University of Sofia “St. Kliment Ohridsky”</p>
<p>Harvey, Mark C. Visiting Assistant Professor B. S., Virginia State University M. S. Hampton University Ph. D., Hampton University</p>	<p>Tymczak, Christopher J. Associate Professor Director of the Computational Physics Program B.S., Pennsylvania State University M.S., Clemson University Ph.D., Texas A&M University</p>
<p>Lee, Young Visiting Assistant Professor Director of the Physics Education Program B.S., M.S., Yonsei University Ph.D., University of Houston</p>	

PHYSICS COURSES

- PHYS 101** **Principles of Physical Science** (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.
- PHYS 116** **University Physics Laboratory I** (1)
Laboratory, Demonstration, and Recitation course in support of PHYS 152. One three hour session per week.
- PHYS 151** **Computational Modeling of Physical Systems** (1)
Mandatory for students majoring or minoring in physics. 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). Three hour laboratory per week.
- PHYS 152** **University Physics I** (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.
- PHYS 162** **Fundamentals of Scientific Programming** (3)
Introduction to scientific programming languages such as Fortran 90, C, and their more recent versions. Three hours lecture per week including computational laboratory.
- PHYS 205** **Physics of Music** (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.
- PHYS 213** **College Physics Laboratory I** (1)
Laboratory, Demonstration, and Recitation course in support of PHYS 237. One three hour session per week.
- PHYS 214** **College Physics Laboratory II** (1)
Laboratory, Demonstration, and Recitation course in support of PHYS 238. One three hour session per week.
- PHYS 215** **Physics for Engineers Laboratory I** (1)
Laboratory, Demonstration, and Recitation course in support of PHYS 245. One three hour session per week.
- PHYS 216** **Physics for Engineers Laboratory II** (1)
Laboratory, Demonstration, and Recitation course in support of PHYS 246. One three hour session per week.
- PHYS 217** **University Physics Laboratory II** (1)
Laboratory, Demonstration, and Recitation course in support of PHYS 251. One three hour session per week.
- PHYS 218** **University Physics Laboratory III** (1)
Laboratory, Demonstration, and Recitation course in support of PHYS 252. One three hour session per week.

PHYS 332	Introduction to Modern Physics	(3)
	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.	
PHYS 333	Electricity and Magnetism I	(3)
	Maxwell's equations and their impact on electrostatics and magnetostatics, including dielectric and magnetic phenomena. Three lecture hours per week. Prerequisites: PHYS 248, 252.	
PHYS 334	Electricity and Magnetism II	(3)
	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.	
PHYS 336	Thermodynamics and Statistical Physics	(3)
	Study of the laws of thermodynamics, Carnot engines, etc., and their statistical physics formulations. Three lecture hours per week. Prerequisite: PHYS 251.	
PHYS 337	Mechanics II	(3)
	Lagrangian -Hamiltonian formulations of classical mechanics. Three lecture hours. Prerequisites: PHYS 252, 272.	
PHYS 344	Electronics	(4)
	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.	
PHYS 353	Quantum Mechanics I	(3)
	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.	
PHYS 360	Advanced Undergraduate Laboratory	(1)
	Exposure to the fundamental experiments that shaped modern physics. One three hour laboratory per week. Prerequisite: PHYS 353.	
PHYS 361	Introduction to Atomic and Radiation Physics	(3)
	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.	
PHYS 365	Environmental Radioactivity Seminar	(1)
	Focus on natural and manmade environmental radionuclide sources, radiation biology, protection, and pathways for environmental contamination. Ninety minute lecture per week.	
PHYS 366	Nuclear Physics I	(4)
	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.	
PHYS 370	Nuclear Physics Laboratory	(3)
	Basic nuclear physics experiments indispensable to radiation detection and measurement. Three hour lab per week. Corequisite: PHYS 374.	

PHYS 374	Radiation Detection I	(4)
	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.	
PHYS 390	Engineering Physics: Intro. to Nanoscience and Nanotechnology	(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.	
PHYS 411	Senior Seminar/Workshop I	(1)
	Student led, faculty supervised, seminars developed in a workshop format reviewing recent research developments. One three hour session per week. Prerequisite: Advanced Standing.	
PHYS 412	Senior Seminar/Workshop II	(1)
	Continuation of student led seminars developed in a workshop format reviewing recent research developments. One three hour session per week. Prerequisite: Advanced Standing.	
PHYS 415	Senior Thesis I	(1)
	Physics majors with senior standing work on a research topic with a TSU or adjunct faculty. One two hour meeting per week.	
PHYS 416	Senior Thesis II	(1)
	Continuation of PHYS 415.	
PHYS 419	Nuclear Physics for Life Sciences Laboratory	(1)
	Introduction to basic experiments in nuclear detection and radiation monitoring for Life Science students. Three hour laboratory per week. Prerequisites: PHYS 361, 365.	
PHYS 421	Nuclear Magnetic Resonance for Life Sciences Laboratory	(1)
	Nuclear magnetic resonance based experiments for life sciences students. Three hour laboratory per week. Prerequisites: PHYS 361, 365.	
PHYS 423	Nuclear Magnetic Resonance Laboratory	(1)
	Comprehensive experiments in nuclear magnetic resonance for physics majors. Three hour laboratory per week. Prerequisite: PHYS 353.	
PHYS 424	Radiation Biology and Nuclear Medicine for Life Sciences Laboratory	(1)
	Experiments (for non-physics majors) measuring the effect of radiation on living cells. Three hour laboratory per week. Corequisite: PHYS 452.	
PHYS 426	Radiation Biology and Nuclear Medicine Laboratory	(1)
	Experiments (for physics majors) measuring the effect of radiation on living cells. Three hour laboratory per week. Corequisite: PHYS 454.	
PHYS 433	Quantum Mechanics II	(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.	
PHYS 451	Computational Physics II	(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.	

- PHYS 452** **Radiation Biology for Life Sciences Students** **(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.
- PHYS 454** **Radiation Biology (similar course offered within Biology)** **(3)**
 For physics majors. 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.
- PHYS 458** **Medical Imaging** **(3)**
 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.
- PHYS 467** **Nuclear Physics II** **(2)**
 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.
- PHYS 471** **Intermediate Nuclear Physics Laboratory** **(1)**
 Health physics applications and spectroscopy. Corequisite: PHYS 475. Three hour session per week.
- PHYS 472** **Nuclear Electronics Laboratory** **(1)**
 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.
- PHYS 475** **Radiation Detection II** **(4)**
 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.
- PHYS 477** **Radiation Protection and Dosimetry I** **(4)**
 Radiation biology, dosimetry, radiation sources of exposure, health physics instrumentation, standards and regulations. Four lecture hours per week. Prerequisite: PHYS 361.
- PHYS 478** **Radiation Protection and Dosimetry II** **(4)**
 Continuation of PHYS 477 focusing on radiation protection, practice, environmental monitoring and specialty health physics areas. Four lecture hours per week. Prerequisite: PHYS 477.
- PHYS 481** **Engineering Physics: Material Science** **(3)**
 Study of the theoretical and computational formulations for studying quantum materials. Three lecture hours per week. Corequisite: PHYS 451.
- PHYS 482** **Engineering Physics: Nanobiophysics** **(3)**
 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.
- PHYS 483** **Independent Study** **(1-4)**
 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

PHYS 484	Topics in Physics (3) 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 semester 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.

Bachelor of Science Degree in Physics
FOUR-YEAR DEGREE IN HEALTH PHYSICS
 Degree Plan - Total Credits: 125

First Year			
First Semester		Second Semester	
CS 120 Introduction to Programming C++	3	PHYS 116 University Physics Lab I	1
MATH 241 Calculus I	4	PHYS 152 University Physics I	3
ENG 131 Freshman English I	3	MATH 242 Calculus II	4
CHEM 111, 131 General Chemistry & Lab I	4	ENG 132 Freshman English II	3
SC 135 or 136 Business & Professional Comm Public Address	3	PHYS 162 Fundamentals of Scientific Programming	3
PHYS 151 Computational Modeling of Physical Systems	1	MUSIC 131 or ART 131 Introduction to Music or Drawing and Composition I	3
	18 hrs		17 hrs

Second Year			
Third Semester		Fourth Semester	
PHYS 217 University Physics Lab II	1	PHYS 218 University Physics Lab III	1
PHYS 247 Math Methods I	3	PHYS 248 Math Methods II	3
PHYS 251 University Physics II	3	PHYS 252 University Physics III	3
PHYS 271 COMP PHYS I	3	PHYS 272 Mechanics I	3
ENG 2xx Any 200 Level ENG may be selected	3	MATH 250 Linear Algebra	3
HIST 231 or POLS 231 American Political Systems I	3	HIST 231 or POLS 231 American Political Systems I	3
	16 hrs		16 hrs

Third Year			
Fifth Semester		Sixth Semester	
PHYS 333 Electricity and Magnetism I	3	PHYS 334 Electricity and Magnetism II	3
PHYS 353 Quantum Mechanics I	3	PHYS 336 Thermodynamics and Stat. Phys.	3
PHYS 361 Intro to Atomic and Radiation Physics	4	PHYS 366 Nuclear Physics I	4
PHYS 365 Environmental Radioactivity Seminar	1	PHYS 370 Nuclear Physics Lab I	1
MATH 251 Diff Equations	3	PHYS 374 Radiation Detection I	4
HIST 232 or POLS 232 American Political Systems II	3		
	17 hrs		15 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PHYS 415 Senior Thesis	1	PHYS 416 Senior Thesis	1
PHYS 467 Nuclear Physics II	3	PHYS 472 Nuclear Electronics Lab	1
PHYS 471 Intermediate Nuclear Physics Lab	2	PHYS 478 Radiation Protection and Dosimetry II	4
PHYS 475 Radiation Detection II	4	ECON 231 Principles of Economics	3
PHYS 477 Radiation Protection and Dosimetry I	4	HIST 232 or POLS 232 American Political Systems II	3
	14 hrs		12 hrs

Bachelor of Science Degree in Physics
 FIVE-YEAR DEGREE IN HEALTH PHYSICS
 Degree Plan - Total Credits: 125

First Year				
First Semester			Second Semester	
CS 120	Introduction to Programming C++	3	PHYS 116	University Physics Lab I
MATH 241	Calculus I	4	PHYS 152	University Physics I
ENG 131	Freshman English I	3	MATH 242	Calculus II
CHEM 111, 131	General Chemistry & Lab I,	4	SC 135 or 136	Business & Professional Comm
	Survey of Life Science			Public Address
PHYS 151	Computational Modeling of Physical Systems	1	PHYS 162	Fundamentals of Scientific Programming
		15 hrs		14 hrs

Second Year				
Third Semester			Fourth Semester	
PHYS 217	University Physics Lab II	1	PHYS 218	University Physics Lab III
PHYS 247	Math Methods I	3	PHYS 248	Math Methods II
PHYS 251	University Physics II	3	PHYS 252	University Physics III
PHYS 271	COMP PHYS I	3	PHYS 272	Mechanics I
ENG 132	Freshman English II	3	MATH 250	Linear Algebra
		13 hrs		13 hrs

Third Year				
Fifth Semester			Sixth Semester	
PHYS 333	Electricity and Magnetism I	3	MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I
PHYS 353	Quantum Mechanics I	3	ECON 231	Principles of Economics
MATH 251	Diff Equations	3	ENG 2xx	Any 200 Level ENG
HIST 231 or POLS 231	American Political Systems I	3	PHYS 336	Thermodynamics and Stat. Phys.
		12 hrs		12 hrs

Fourth Year				
Seventh Semester			Eighth Semester	
PHYS 361	Intro to Atomic and Radiation Physics	4	PHYS 334	Electricity and Magnetism II
PHYS 365	Environmental Radioactivity Seminar	1	PHYS 366	Nuclear Physics I
HIST 231 or POLS 231	American Political Systems I	3	PHYS 370	Nuclear Physics Lab I
HIST 232 or POLS 232	American Political Systems II	3	PHYS 374	Radiation Detection I
		11 hrs		12 hrs

Fifth Year				
Ninth Semester			Tenth Semester	
PHYS 415	Senior Thesis	1	PHYS 416	Senior Thesis
PHYS 467	Nuclear Physics II	3	PHYS 472	Nuclear Electronics Lab
PHYS 471	Intermediate Nuclear Physics Lab	2	PHYS 478	Radiation Protection and Dosimetry II
PHYS 475	Radiation Detection II	4	HIST 232 or POLS 232	American Political Systems II
PHYS 477	Radiation Protection and Dosimetry I	4		
		14 hrs		9 hrs

Bachelor of Science Degree in Physics
SIX-YEAR DEGREE IN HEALTH PHYSICS
Degree Plan - Total Credits: 125

First Year				
First Semester			Second Semester	
CS 120	Introduction to Programming C++	3	PHYS 116	University Physics Lab I
MATH 241	Calculus I	4	PHYS 152	University Physics I
ENG 131	Freshman English I	3	MATH 242	Calculus II
PHYS 151	Computational Modeling of Physical Systems	1	PHYS 162	Fundamentals of Scientific Programming
		11 hrs		
			11 hrs	

Second Year				
Third Semester			Fourth Semester	
PHYS 217	University Physics Lab II	1	CHEM 111, 131	General Chemistry & Lab I, Survey of Life Science
PHYS 247	Math Methods I	3	SC 135 or 136	Business & Professional Comm Public Address
PHYS 251	University Physics II	3	MATH 250	Linear Algebra
PHYS 271	COMP PHYS I	3		
		10 hrs		
			10 hrs	

Third Year				
Fifth Semester			Sixth Semester	
ENG 132	Freshman English II	3	PHYS 272	Mechanics I
MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I	3	PHYS 218	University Physics Lab III
HIST 231 or POLS 231	American Political Systems I	3	PHYS 248	Math Methods II
			PHYS 252	University Physics III
		9 hrs		
			10 hrs	

Fourth Year				
Seventh Semester			Eighth Semester	
PHYS 333	Electricity and Magnetism I	3	PHYS 336	Thermodynamics and Stat. Phys.
PHYS 353	Quantum Mechanics I	3	PHYS 334	Electricity and Magnetism II
MATH 251	Diff Equations	3	HIST 231 or POLS 231	American Political Systems I
ENG 2xx	Any 200 Level ENG may be selected	3	ECON 231	Principles of Economics
		12 hrs		
			12 hrs	

Fifth Year				
Ninth Semester			Tenth Semester	
PHYS 361	Intro to Atomic and Radiation Physics	4	PHYS 366	Nuclear Physics I
PHYS 365	Environmental Radioactivity Seminar	1	PHYS 370	Nuclear Physics Lab I
HIST 232 or POLS 232	American Political Systems II	3	PHYS 374	Radiation Detection I
			HIST 232 or POLS 232	American Political Systems II
		8 hrs		
			12 hrs	

Sixth Year				
Ninth Semester			Tenth Semester	
PHYS 415	Senior Thesis	1	PHYS 416	Senior Thesis
PHYS 467	Nuclear Physics II	3	PHYS 472	Nuclear Electronics Lab
PHYS 471	Intermediate Nuclear Physics Lab	2	PHYS 478	Radiation Protection and Dosimetry II
PHYS 475	Radiation Detection II	4		
PHYS 477	Radiation Protection and Dosimetry I	4		
		14 hrs		
			6 hrs	

Bachelor of Science Degree in Physics
 FOUR-YEAR DEGREE IN PRE-MEDICAL/RADIATION PHYSICS
 Degree Plan - Total Credits: 129

First Year				
First Semester			Second Semester	
CS 120	Introduction to Programming C++	3	PHYS 116	University Physics Lab I
MATH 241	Calculus I	4	PHYS 152	University Physics I
ENG 131	Freshman English I	3	MATH 242	Calculus II
CHEM 111, 131	General Chemistry & Lab I	4	ENG 132	Freshman English II
SC 135 or 136	Business & Professional Comm Public Address	3	PHYS 162	Fundamentals of Scientific Programming
PHYS 151	Computational Modeling of Physical Systems	1	MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I
		18 hrs		
			17 hrs	

Second Year				
Third Semester			Fourth Semester	
PHYS 217	University Physics Lab II	1	PHYS 218	University Physics Lab III
PHYS 247	Math Methods I	3	PHYS 248	Math Methods II
PHYS 251	University Physics II	3	PHYS 252	University Physics III
PHYS 271	COMP PHYS I	3	PHYS 272	Mechanics I
ENG 2xx	Any 200 Level ENG may be selected	3	MATH 250	Linear Algebra
HIST 231 or POLS 231	American Political Systems I	3	HIST 231 or POLS 231	American Political Systems I
		16 hrs		
			16 hrs	

Third Year				
Fifth Semester			Sixth Semester	
PHYS 333	Electricity and Magnetism I	3	PHYS 330	Intro. to Med. Physics
PHYS 353	Quantum Mechanics I	3	PHYS 336	Thermodynamics and Stat. Phys.
PHYS 361	Intro to Atomic and Radiation Physics	4	PHYS 366	Nuclear Physics I
PHYS 365	Environmental Radioactivity Seminar	1	PHYS 370	Nuclear Physics Lab I
MATH 251	Diff Equations	3	PHYS 374	Radiation Detection I
HIST 232 or POLS 232	American Political Systems II	3		
		17 hrs		
			15 hrs	

Fourth Year				
Seventh Semester			Eighth Semester	
ECON 231	Principles of Economics	3	PHYS 426	Rad. BIOL and Nucl. Med. Lab
PHYS 467	Nuclear Physics II	3	PHYS 454	Rad. BIOL and Nucl. Med.
PHYS 471	Intermediate Nuclear Physics Lab	2	PHYS 478	Radiation Protection and Dosimetry II
PHYS 475	Radiation Detection II	4	PHYS 458	Medical Imaging
PHYS 477	Radiation Protection and Dosimetry I	4	HIST 232 or POLS 232	American Political Systems II
		16 hrs		
			14 hrs	

Bachelor of Science Degree in Physics
 FIVE-YEAR DEGREE IN PRE-MEDICAL/RADIATION PHYSICS
 Degree Plan - Total Credits: 129

First Year				
First Semester			Second Semester	
CS 120	Introduction to Programming C++	3	PHYS 116	University Physics Lab I
MATH 241	Calculus I	4	PHYS 152	University Physics I
ENG 131	Freshman English I	3	MATH 242	Calculus II
CHEM 111, 131	General Chemistry & Lab I, Survey of Life Science	4	SC 135 or 136	Business & Professional Comm Public Address
PHYS 151	Computational Modeling of Physical Systems	1	PHYS 162	Fundamentals of Scientific Programming
		15 hrs		
			14 hrs	

Second Year				
Third Semester			Fourth Semester	
PHYS 217	University Physics Lab II	1	PHYS 218	University Physics Lab III
PHYS 247	Math Methods I	3	PHYS 248	Math Methods II
PHYS 251	University Physics II	3	PHYS 252	University Physics III
PHYS 271	COMP PHYS I	3	PHYS 272	Mechanics I
ENG 132	Freshman English II	3	MATH 250	Linear Algebra
		13 hrs		
			13 hrs	

Third Year				
Fifth Semester			Sixth Semester	
PHYS 333	Electricity and Magnetism I	3	MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I
PHYS 353	Quantum Mechanics I	3	ECON 231	Principles of Economics
MATH 251	Diff Equations	3	ENG 2xx	Any 200 Level ENG
HIST 231 or POLS 231	American Political Systems I	3	HIST 231 or POLS 231	American Political Systems I
		12 hrs		
			12 hrs	

Fourth Year				
Seventh Semester			Eighth Semester	
PHYS 361	Intro to Atomic and Radiation Physics	4	PHYS 336	Thermodynamics and Stat. Phys.
PHYS 365	Environmental Radioactivity Seminar	1	PHYS 366	Nuclear Physics I
HIST 232 or POLS 232	American Political Systems II	3	PHYS 370	Nuclear Physics Lab I
			PHYS 374	Radiation Detection I
			PHYS 330	Intro. to Med. Physics
		8 hrs		
			15 hrs	

Fifth Year				
Ninth Semester			Tenth Semester	
PHYS 477	Radiation Protection and Dosimetry I	4	PHYS 426	Radi. BIOL & Nucl. Med. Lab
PHYS 467	Nuclear Physics II	3	PHYS 454	Rad. Bio. & Nucl. Med. Lab
PHYS 471	Intermediate Nuclear Physics Lab	2	PHYS 478	Radiation Protection and Dosimetry II
PHYS 475	Radiation Detection II	4	PHYS 458	Medical Imaging
			HIST 232 or POLS 232	American Political Systems II
		13 hrs		
			14 hrs	

Bachelor of Science Degree in Physics
SIX-YEAR DEGREE IN PRE-MEDICAL/RADIATION PHYSICS
Degree Plan - Total Credits: 129

First Year				
First Semester			Second Semester	
CS 120	Introduction to Programming C++	3	PHYS 116	University Physics Lab I
MATH 241	Calculus I	4	PHYS 152	University Physics I
ENG 131	Freshman English I	3	MATH 242	Calculus II
PHYS 151	Computational Modeling of Physical Systems	1	PHYS 162	Fundamentals of Scientific Programming
		11 hrs		
			11 hrs	

Second Year				
Third Semester			Fourth Semester	
PHYS 217	University Physics Lab II	1	CHEM 111, 131	General Chemistry & Lab I, Survey of Life Science
PHYS 247	Math Methods I	3	SC 135 or 136	Business & Professional Comm Public Address
PHYS 251	University Physics II	3	MATH 250	Linear Algebra
PHYS 271	COMP PHYS I	3		
		10 hrs		
			10 hrs	

Third Year				
Fifth Semester			Sixth Semester	
ENG 132	Freshman English II	3	PHYS 272	Mechanics I
MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I	3	PHYS 218	University Physics Lab III
HIST 231 or POLS 231	American Political Systems I	3	PHYS 248	Math Methods II
			PHYS 252	University Physics III
		9 hrs		
			10 hrs	

Fourth Year				
Seventh Semester			Eighth Semester	
PHYS 333	Electricity and Magnetism I	3	PHYS 336	Thermodynamics and Stat. Phys.
PHYS 353	Quantum Mechanics I	3	PHYS 330	Intro. to Med. Physics
MATH 251	Diff Equations	3	HIST 231 or POLS 231	American Political Systems I
ENG 2xx	Any 200 Level ENG may be selected	3	ECON 231	Principles of Economics
		12 hrs		
			12 hrs	

Fifth Year				
Ninth Semester			Tenth Semester	
PHYS 361	Intro to Atomic and Radiation Physics	4	PHYS 366	Nuclear Physics I
PHYS 365	Environmental Radioactivity Seminar	1	PHYS 370	Nuclear Physics Lab I
HIST 232 or POLS 232	American Political Systems II	3	PHYS 374	Radiation Detection I
			HIST 232 or POLS 232	American Political Systems II
		8 hrs		
			12 hrs	

Sixth Year				
Ninth Semester			Tenth Semester	
PHYS 467	Nuclear Physics II	3	PHYS 426	Rad. BIOL and Nucl. Med. Lab
PHYS 471	Intermediate Nuclear Physics Lab	2	PHYS 454	Rad. BIOL and Nucl. Med.
PHYS 475	Radiation Detection II	4	PHYS 478	Radiation Protection and Dosimetry II
PHYS 477	Radiation Protection and Dosimetry I	4	PHYS 458	Medical Imaging
		13 hrs		
			11 hrs	

Bachelor of Science Degree in Physics
 FOUR-YEAR DEGREE IN MATH-COMP. PHYSICS
 Degree Plan - Total Credits: 121

First Year				
First Semester			Second Semester	
CS 120	Introduction to Programming C++	3	PHYS 116	University Physics Lab I
MATH 241	Calculus I	4	PHYS 152	University Physics I
ENG 131	Freshman English I	3	MATH 242	Calculus II
CHEM 111, 131	General Chemistry & Lab I, Survey of Life Science	4	ENG 132	Freshman English II
SC 135 or 136	Business & Professional Comm Public Address	3	PHYS 162	Fundamentals of Scientific Programming
PHYS 151	Computational Modeling of Physical Systems	1	MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I
		18 hrs		
			17 hrs	

Second Year				
Third Semester			Fourth Semester	
PHYS 217	University Physics Lab II	1	PHYS 218	University Physics Lab III
PHYS 247	Math Methods I	3	PHYS 248	Math Methods II
PHYS 251	University Physics II	3	PHYS 252	University Physics III
PHYS 271	COMP PHYS I	3	PHYS 272	Mechanics I
ENG 2xx	Any 200 Level ENG may be selected	3	MATH 250	Linear Algebra
HIST 231 or POLS 231	American Political Systems I	3	HIST 231 or POLS 231	American Political Systems I
		16 hrs		
			16 hrs	

Third Year				
Fifth Semester			Sixth Semester	
PHYS 333	Electricity and Magnetism I	3	PHYS 332	Modern Physics
PHYS 353	Quantum Mechanics I	3	PHYS 336	Thermodynamics and Stat. Phys.
PHYS 337	Mechanics II	3	PHYS 360	Advanced Undergraduate Laboratory
MATH 251	Diff Equations	3	HIST 232 or POLS 232*	American Political Systems II
HIST 232 or POLS 232	American Political Systems II	3	PHYS 334	Electricity and Magnetism II
		15 hrs		
			13 hrs	

Fourth Year				
Seventh Semester			Eighth Semester	
PHYS 411	Senior Seminar/Workshop I	1	PHYS 412	Senior Seminar/Workshop II
PHYS 415	Senior Thesis I	1	PHYS 416	Senior Thesis II
PHYS 433	Quantum Mechanics II	3	Electives in Phys, Math, Comp. Sc., Chemistry	
PHYS 451	Computational Physics II	3		
Electives	in Phys, Math, Chem., Comp. Sc.	3		
ECON 231	Principles of Economics	3		
		14 hrs		
			12 hrs	

Bachelor of Science Degree in Physics
 FIVE-YEAR DEGREE IN MATH-COMP. PHYSICS
 Degree Plan - Total Credits: 121

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	PHYS 116 University Physics Lab I	1
MATH 241 Calculus I	4	PHYS 152 University Physics I	3
PHYS 151 Computational Modeling of Physical Systems	1	MATH 242 Calculus II	4
CHEM 111, 131 General Chemistry & Lab I	4	ENG 132 Freshman English II	3
		PHYS 162 Fundamentals of Scientific Programming	3
	12 hrs		14 hrs

Second Year			
Third Semester		Fourth Semester	
PHYS 217 University Physics Lab II	1	PHYS 218 University Physics Lab III	1
PHYS 247 Math Methods I	3	PHYS 248 Math Methods II	3
PHYS 251 University Physics II	3	PHYS 252 University Physics III	3
PHYS 271 COMP PHYS I	3	HIST 231 or POLS 231 American Political Systems I	3
HIST 231 or POLS 231 American Political Systems I	3	ENG 2xx Any 200 Level ENG may be selected	3
	13 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
PHYS 333 Electricity and Magnetism I	3	PHYS 272 Mechanics I	3
PHYS 337 Mechanics II	3	MATH 250 Linear Algebra	3
MUSIC 131 or ART 131 Introduction to Music or Drawing and Composition I	3	CS 120 Introduction to Programming C++	3
SC 135 or 136 Business & Professional Comm Public Address	3	HIST 231 or POLS 231 American Political Systems I	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PHYS 353 Quantum Mechanics I	3	PHYS 334 Electricity and Magnetism II	3
ECON 231 Principles of Economics	3	PHYS 336 Thermodynamics and Stat. Phys.	3
HIST 232 or POLS 232 American Political Systems II	3	PHYS 332 Modern Physics	3
MATH 251 Diff Equations	3	PHYS 360 Advanced Undergraduate Laboratory	1
	12 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
PHYS 411 Senior Seminar/Workshop I	1	PHYS 412 Senior Seminar/Workshop II	1
PHYS 415 Senior Thesis I	1	PHYS 416 Senior Thesis II	1
PHYS 433 Quantum Mechanics II	3	Electives in Phys, Math, Chem., Comp. Sc.	10
PHYS 451 Computational Physics II	3		
Electives in Phys, Math, Chem., Comp. Sc.	3		
	11 hrs		12 hrs

Bachelor of Science Degree in Physics
SIX-YEAR DEGREE IN MATH-COMP. PHYSICS
Degree Plan - Total Credits: 121

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	PHYS 116 University Physics Lab I	1
MATH 241 Calculus I	4	PHYS 152 University Physics I	3
PHYS 151 Computational Modeling of Physical Systems	1	PHYS 162 Fundamentals of Scientific Programming	3
		ENG 132 Freshman English II	3
	8 hrs		10 hrs

Second Year			
Third Semester		Fourth Semester	
CHEM 111, 131 General Chemistry & Lab I	4	HIST 231 or POLS 231 American Political Systems I	3
MATH 242 Calculus II	4	ENG 2xx Any 200 Level ENG may be selected	3
HIST 231 or POLS 231 American Political Systems I	3	MATH 250 Linear Algebra	3
	11 hrs		9 hrs

Third Year			
Fifth Semester		Sixth Semester	
PHYS 217 University Physics Lab II	1	PHYS 218 University Physics Lab III	1
PHYS 247 Math Methods I	3	PHYS 248 Math Methods II	3
PHYS 251 University Physics II	3	PHYS 252 University Physics III	3
PHYS 271 COMP PHYS I	3	PHYS 272 Mechanics I	3
	10 hrs		10 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PHYS 333 Electricity and Magnetism I	3	CS 120 Introduction to Programming C++	3
PHYS 337 Mechanics II	3	HIST 232 or POLS 232 American Political Systems I	3
SC 135 or 136 Business & Professional Comm Public Address	3	MUSIC 131 or ART 131 Introduction to Music or Drawing and Composition I	3
MATH 251 Diff. Equations	3		
	12 hrs		9 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
PHYS 353 Quantum Mechanics I	3	PHYS 334 Electricity and Magnetism II	3
ECON 231 Principles of Economics	3	PHYS 336 Thermodynamics and Stat. Phys.	3
Electives Electives in Phys, Math, Chem.	3	PHYS 332 Modern Physics	3
Electives in Phys, Math, Chem., Comp. Sc.	3	PHYS 360 Advanced Undergraduate Laboratory	1
	12 hrs		10 hrs

Sixth Year			
Ninth Semester		Tenth Semester	
PHYS 411 Senior Seminar/Workshop I	1	PHYS 412 Senior Seminar/Workshop II	1
PHYS 415 Senior Thesis I	1	PHYS 416 Senior Thesis II	1
PHYS 433 Quantum Mechanics II	3	Electives in Phys, Math, Chem, Comp. Sc..	7
PHYS 451 Computational Physics II	3		
Electives in Phys, Math, Chem., Comp. Sc.	6		
	11 hrs		9 hrs

Bachelor of Science Degree in Physics
FOUR-YEAR DEGREE IN ENGINEERING PHYSICS
 Degree Plan - Total Credits: 121

First Year			
First Semester		Second Semester	
CS 120 Introduction to Programming C++	3	PHYS 116 University Physics Lab I	1
MATH 241 Calculus I	4	PHYS 152 University Physics I	3
ENG 131 Freshman English I	3	MATH 242 Calculus II	4
CHEM 111, 131 General Chemistry & Lab I	4	ENG 132 Freshman English II	3
SC 135 or 136 Business & Professional Comm Public Address	3	PHYS 162 Fundamentals of Scientific Programming	3
PHYS 151 Computational Modeling of Physical Systems	1	MUSIC 131 or ART 131 Introduction to Music or Drawing and Composition I	3
	18 hrs		17 hrs

Second Year			
Third Semester		Fourth Semester	
PHYS 217 University Physics Lab II	1	PHYS 218 University Physics Lab III	1
PHYS 247 Math Methods I	3	PHYS 248 Math Methods II	3
PHYS 251 University Physics II	3	PHYS 252 University Physics III	3
PHYS 271 COMP PHYS I	3	PHYS 272 Mechanics I	3
ENG 2xx Any 200 Level ENG may be selected	3	MATH 250 Linear Algebra	3
HIST 231 or POLS 231 American Political Systems I	3	HIST 231 or POLS 231 American Political Systems I	3
	16 hrs		16 hrs

Third Year			
Fifth Semester		Sixth Semester	
PHYS 333 Electricity and Magnetism I	3	PHYS 332 Modern Physics	3
PHYS 353 Quantum Mechanics I	3	PHYS 336 Thermodynamics and Stat. Phys.	3
PHYS 337 Mechanics II	3	PHYS 360 Advanced Undergraduate Laboratory	1
MATH 251 Diff Equations	3	PHYS 390 Eng. Phys	3
HIST 232 or POLS 232 American Political Systems II	3	PHYS 334 Electricity and Magnetism II	3
	15 hrs		13 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PHYS 411 Senior Seminar/Workshop I	1	PHYS 412 Senior Seminar/Workshop II	1
PHYS 481 Eng. Phys	3	PHYS 482 Eng. Phys	3
PHYS 433 Quantum Mechanics II	3	PHYS 484 Topics in Phys.	3
PHYS 451 Computational Physics II	3	Elective In Phys, Chem, Comp. Sc., Biol., Math	3
HIST 232 or POLS 232 American Political Systems II	3	ECON 231 Principles of Economics	3
	13 hrs		13 hrs

Bachelor of Science Degree in Physics
 FIVE-YEAR DEGREE IN ENGINEERING PHYSICS
 Degree Plan - Total Credits: 121

First Year			
First Semester		Second Semester	
ENG 131 Freshman English I	3	PHYS 116 University Physics Lab I	1
MATH 241 Calculus I	4	PHYS 152 University Physics I	3
PHYS 151 Computational Modeling of Physical Systems	1	MATH 242 Calculus II	4
CHEM 111, 131 General Chemistry & Lab I	4	ENG 132 Freshman English II	3
		PHYS 162 Fundamentals of Scientific Programming	3
	12 hrs		14 hrs

Second Year			
Third Semester		Fourth Semester	
PHYS 217 University Physics Lab II	1	PHYS 218 University Physics Lab III	1
PHYS 247 Math Methods I	3	PHYS 248 Math Methods II	3
PHYS 251 University Physics II	3	PHYS 252 University Physics III	3
PHYS 271 COMP PHYS I	3	HIST 231 or POLS 231 American Political Systems I	3
HIST 231 or POLS 231 American Political Systems I	3	ENG 2xx Any 200 Level ENG may be selected	3
	13 hrs		13 hrs

Third Year			
Fifth Semester		Sixth Semester	
PHYS 333 Electricity and Magnetism I	3	PHYS 272 Mechanics I	3
PHYS 337 Mechanics II	3	MATH 250 Linear Algebra	3
MUSIC 131 or ART 131 Introduction to Music or Drawing and Composition I	3	PHYS 332 Modern Physics	3
SC 135 or 136 Business & Professional Comm Public Address	3	PHYS 390 Eng. Phys	3
	12 hrs		12 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PHYS 353 Quantum Mechanics I	3	PHYS 334 Electricity and Magnetism II	3
MATH 251 Diff Equations	3	PHYS 336 Thermodynamics and Stat. Phys.	3
CS 120 Introduction to Programming C++	3	PHYS 360 Advanced Undergraduate Laboratory	1
HIST 232 or POLS 232 American Political Systems II	3	HIST 232 or POLS 232 American Political Systems II	3
	12 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
PHYS 411 Senior Seminar/Workshop I	1	PHYS 412 Senior Seminar/Workshop II	1
PHYS 433 Quantum Mechanics II	3	PHYS 482 Eng. Phys.	3
PHYS 451 Computational Physics II	3	PHYS 484 Topics in Phys.	3
PHYS 481 Eng. Phys.	3	ECON 231 Principles of Economics	3
		Elective In Phys, Chem, Comp. Sc., Biol.	3
	10 hrs		13 hrs

Bachelor of Science Degree in Physics
SIX-YEAR DEGREE IN ENGINEERING PHYSICS
Degree Plan - Total Credits: 121

First Year				
First Semester			Second Semester	
ENG 131	Freshman English I	3	PHYS 116	University Physics Lab I
MATH 241	Calculus I	4	PHYS 152	University Physics I
PHYS 151	Computational Modeling of Physical Systems	1	PHYS 162	Fundamentals of Scientific Programming
			ENG 132	Freshman English II
		8 hrs		10 hrs

Second Year				
Third Semester			Fourth Semester	
CHEM 111, 131 or BIOL 143	General Chemistry & Lab I, Survey of Life Science	4	HIST 231 or POLS 231	American Political Systems I
MATH 242	Calculus II	4	ENG 2xx	Any 200 Level ENG may be selected
HIST 231 or POLS 231	American Political Systems I	3	MATH 250	Linear Algebra
		11 hrs		9 hrs

Third Year				
Fifth Semester			Sixth Semester	
PHYS 217	University Physics Lab II	1	PHYS 218	University Physics Lab III
PHYS 247	Math Methods I	3	PHYS 248	Math Methods II
PHYS 251	University Physics II	3	PHYS 252	University Physics III
PHYS 271	COMP PHYS I	3	MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I
		10 hrs		10 hrs

Fourth Year				
Seventh Semester			Eighth Semester	
PHYS 333	Electricity and Magnetism I	3	PHYS 272	Mechanics I
PHYS 337	Mechanics II	3	HIST 232 or POLS 232	American Political Systems II
SC 135 or 136	Business & Professional Comm Public Address	3	PHYS 332	Modern Physics
		9 hrs		9 hrs

Fifth Year				
Ninth Semester			Tenth Semester	
			PHYS 334	Electricity and Magnetism II
PHYS 353	Quantum Mechanics I	3	PHYS 336	Thermodynamics and Stat. Phys.
CS 120	Introduction to Programming C++	3	PHYS 360	Advanced Undergraduate Laboratory
MATH 251	Diff Equations	3	PHYS 390	Eng. Phys.
HIST 232 or POLS 232	American Political Systems II	3		
		12 hrs		10 hrs

Sixth Year				
Ninth Semester			Tenth Semester	
PHYS 411	Senior Seminar/Workshop I	1	PHYS 412	Senior Seminar/Workshop II
PHYS 433	Quantum Mechanics II	3	PHYS 482	Eng. Phys.
PHYS 451	Computational Physics II	3	PHYS 484	Topics in Phys.
PHYS 481	Eng. Phys.	3	ECON 231	Principles of Economics
Elective	In Phys, Chem, Comp. Sc., Biol., Math	3		
		13 hrs		10 hrs

Bachelor of Science Degree in Physics
 THREE-YEAR DEGREE IN PRE-PHARMACEUTICAL PHYSICAL SCIENCES
 Degree Plan - Total Credits: 123

First Year					
First Semester			Second Semester		
CS 120	Introduction to Programming C++	3	PHYS 116	University Physics Lab I	1
PHAR 111	Pharmacy Orientation	1	PHYS 152	University Physics I	3
ENG 131	Freshman English I	3	PHYS 161	Fundamentals of Scientific Programming	3
CHEM 111, 131	General Chemistry & Lab I	4	ENG 132	Freshman English II	3
SC 135 or 136	Business & Professional Comm Public Address	3	CHEM 112, 132	General Chemistry & Lab II	4
PHYS 151	Computational Modeling of Physical Systems	1	BIOL 112, 132	Biological Science II	4
BIOL 111, 131	Biological Science I	4	PHAR 112	Pharmacy Orientation	1
MATH 241	Calculus I	4			
		23 hrs			19 hrs

Second Year					
Third Semester			Fourth Semester		
PHYS 217	University Physics Lab II	1	PHYS 218	University Physics Lab III	1
PHYS 247	Math Methods	3	PHYS 248	Math Methods I	3
PHYS 251	University Physics II	3	PHYS 252	University Physics III	3
PHYS 271	COMP PHYS I	3	PHYS 272	Mechanics I	3
ENG 2xx	Any 200 Level ENG may be selected	3	MATH 250	Linear Algebra	3
HIST 231 or POLS 231	American Political Systems I	3	HIST 231 or POLS 231	American Political Systems I	3
MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I	3	ECON 231	Principles of Economics	3
PHAR 211	Pharmacy Applications	1	PHAR 212	Medical Terminology	1
		20 hrs			20 hrs

Third Year					
Fifth Semester			Sixth Semester		
PHYS 333	Electricity and Magnetism I	3	PHYS 330	Electricity and Magnetism II or Intro. to Med. Physics*	3
PHYS 353	Quantum Mechanics I	3	PHYS 336	Thermodynamics and Stat. Phys.	3
MATH 251	Diff Equations	3	PHYS 360	Advanced Undergraduate Laboratory	1
HIST 232 or POLS 232	American Political Systems II	3	PHYS 332	Modern Physics	3
CHEM 211, 231	General Chemistry & Lab I, Survey of Life Science	4	HIST 232 or POLS 232	American Political Systems II	3
BIOL 344	Vertebrate Anatomy and Hist	4	CHEM 212, 232	General Chemistry & Lab I, Survey of Life Science	4
			BIOL 347	Microbiology	4
		20 hrs			21 hrs

Bachelor of Science Degree in Physics
 FOUR-YEAR DEGREE IN PRE-PHARMACEUTICAL PHYSICAL SCIENCES
 Degree Plan - Total Credits: 123

First Year				
First Semester			Second Semester	
PHYS 151	Computational Modeling of Physical Systems	1	PHYS 116	University Physics Lab I
ENG 131	Freshman English I	3	PHYS 152	University Physics I
BIOL 111, 131	Biological Science I	4	PHYS 161	Fundamentals of Scientific Programming
CHEM 111, 131	General Chemistry & Lab I	4	CHEM 112, 132	General Chemistry & Lab I
SC 135 or 136	Business & Professional Comm Public Address	3	CS 120	Introduction to Programming C++
MATH 241	Calculus I	4	PHAR 111	Pharmacy Orientation
		19 hrs		15 hrs

Second Year				
Third Semester			Fourth Semester	
PHYS 217	University Physics Lab II	1	PHYS 218	University Physics Lab III
PHYS 247	Math Methods I	3	PHYS 248	Math Methods II
PHYS 251	University Physics II	3	PHYS 252	University Physics III
PHYS 271	COMP PHYS I	3	PHYS 272	Mechanics I
BIOL 112, 132	Biological Science II	4	MATH 250	Linear Algebra
			ENG 132	Freshman English II
		14 hrs		16 hrs

Third Year				
Fifth Semester			Sixth Semester	
PHYS 333	Electricity and Magnetism I	3	PHYS 330	Intro. to Med. Physics
PHYS 353	Quantum Mechanics I	3	PHYS 332	Modern Physics
MATH 251	Diff Equations	3	HIST 231 or POLS 231	American Political Systems I
PHAR 112	Pharmacy Orientation	1	MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I
ENG 2xx	Any 200 Level ENG may be selected	3	PHAR 211	Pharmacy Applications
HIST 231 or POLS 231	American Political Systems I	3		
		16 hrs		13 hrs

Fourth Year				
Seventh Semester			Eighth Semester	
BIOL 344	Vertebrate Anatomy and Hist	4	PHYS 336	Thermodynamics and Stat. Phys.
PHAR 212	Medical Terminology	1	PHYS 360	Advanced Undergraduate Laboratory
HIST 232 or POLS 232	American Political Systems II	3	HIST 232 or POLS 232	American Political Systems II
CHEM 211, 231	Organic Chemistry & Lab I	4	CHEM 212, 232	Organic Chemistry & Lab II
ECON 231	Principles of Economics	3	BIOL 347	Microbiology
		15 hrs		15 hrs

Bachelor of Science Degree in Physics
 FIVE-YEAR DEGREE IN PRE-PHARMACEUTICAL PHYSICAL SCIENCES
 Degree Plan - Total Credits: 123

First Year				
First Semester			Second Semester	
PHYS 151	Computational Modeling of Physical Systems	1	PHYS 116	University Physics Lab I
ENG 131	Freshman English I	3	PHYS 152	University Physics I
BIOL 111, 131	Biological Science I	4	PHYS 161	Fundamentals of Scientific Programming
CS 120	Introduction to Programming C++	3	ENG 132	Freshman English II
MATH 241	Calculus I	4	CHEM 111, 131	General Chemistry & Lab I
		15 hrs		
			14 hrs	

Second Year				
Third Semester			Fourth Semester	
PHYS 217	University Physics Lab II	1	PHYS 218	University Physics Lab III
PHYS 247	Math Methods I	3	PHYS 248	Math Methods II
PHYS 251	University Physics II	3	PHYS 252	University Physics III
PHYS 271	COMP PHYS I	3	PHYS 272	Mechanics I
SC 233; 135 or 136	Business & Professional Comm Public Address	3	MATH 250	Linear Algebra
		13 hrs		
			13 hrs	

Third Year				
Fifth Semester			Sixth Semester	
PHYS 333	Electricity and Magnetism I	3	PHAR 112	Pharmacy Orientation
PHYS 353	Quantum Mechanics I	3	ENG 2xx	Any 200 Level ENG may be selected
MATH 251	Diff Equations	3	HIST 231 or POLS 231	American Political Systems I
CHEM 112, 132	General Chemistry & Lab II	4	BIOL 112, 132	Biological Science II
PHAR 111	Pharmacy Orientation	1		
		14 hrs		
			11 hrs	

Fourth Year				
Seventh Semester			Eighth Semester	
BIOL 344	Vertebrate Anatomy and Hist	4	PHYS 330	Intro. to Med. Physics
PHAR 211	Pharmacy Applications	1	PHYS 332	Modern Physics
HIST 231 or POLS 231	American Political Systems I	3	PHAR 212	Medical Terminology
MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I	3	HIST 232 or POLS 232	American Political Systems II
			CHEM 211, 231	Organic Chemistry & Lab I
		11 hrs		
			14 hrs	

Fifth Year				
Ninth Semester			Tenth Semester	
ECON 231	Principles of Economics	3	PHYS 336	Thermodynamics and Stat. Phys.
CHEM 212, 232	Organic Chemistry & Lab II	4	PHYS 360	Advanced Undergraduate Laboratory
HIST 232 or POLS 232	American Political Systems II	3	BIOL 347	Microbiology
		10 hrs		
			8 hrs	

Bachelor of Science Degree in Physics
SIX-YEAR DEGREE IN PRE-PHARMACEUTICAL PHYSICAL SCIENCES
Degree Plan - Total Credits: 123

First Year				
First Semester			Second Semester	
PHYS 151	Computational Modeling of Physical Systems	1	PHYS 116	University Physics Lab I
ENG 131	Freshman English I	3	PHYS 152	University Physics I
BIOL 111, 131	Biological Science I	4	PHYS 161	Fundamentals of Scientific Programming
CS 120	Intro. to Programming C++	3	BIOL 112, 132	Biological Science II
MATH 241	Calculus I	4		
		15 hrs		11 hrs

Second Year				
Third Semester			Fourth Semester	
PHYS 217	University Physics Lab II	1	PHYS 218	University Physics Lab III
PHYS 247	Math Methods I	3	PHYS 248	Math Methods II
PHYS 251	University Physics II	3	PHYS 252	University Physics III
PHYS 271	COMP PHYS I	3	PHYS 272	Mechanics I
		10 hrs		10 hrs

Third Year				
Fifth Semester			Sixth Semester	
PHYS 333	Electricity and Magnetism I	3	ENG 132	Freshman English II
MATH 250	Linear Algebra	3	SC 233; 135 or 136	Business & Professional Comm Public Address
CHEM 111, 131	General Chemistry & Lab I	4	CHEM 112, 132	General Chemistry & Lab II
		10 hrs		10 hrs

Fourth Year				
Seventh Semester			Eighth Semester	
PHYS 353	Quantum Mechanics I	3	PHYS 336	Thermo. and Stat. Phys.
MATH 251	Diff Equations	3	PHYS 332	Modern Physics
PHAR 111	Pharmacy Orientation	1	HIST 231 or POLS 231	American Political Systems I
ENG 2xx	Any 200 Level ENG may be selected	3	PHAR 112	Pharmacy Orientation
		10 hrs		10 hrs

Fifth Year				
Ninth Semester			Tenth Semester	
ECON 231	Principles of Economics	3	HIST 232 or POLS 232	American Political Systems II
HIST 231 or POLS 231	American Political Systems I	3	PHYS 330	Intro. to Med. Physics
MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I	3	BIOL 344	Vert. Anatomy and Hist
PHAR 211	Pharmacy Applications	1	PHAR 212	Medical Terminology
		10 hrs		11 hrs

Sixth Year				
Ninth Semester			Tenth Semester	
CHEM 211, 231	Organic Chemistry & Lab I	4	PHYS 360	Advanced Undergraduate Laboratory
HIST 232 or POLS 232	American Political Systems II	3	BIOL 347	Microbiology
			CHEM 212, 232	Organic Chemistry & Lab II
		7 hrs		9

Bachelor of Science Degree in Physics
 FOUR-YEAR DEGREE IN PHYSICS EDUCATION
 Degree Plan - Total Credits: 124

First Year					
First Semester			Second Semester		
CS 120	Introduction to Programming C++	3	PHYS 116	University Physics Lab I	1
MATH 241	Calculus I	4	PHYS 152	University Physics I	3
ENG 131	Freshman English I	3	MATH 242	Calculus II	4
CHEM 111, 131	General Chemistry & Lab I	4	ENG 132	Freshman English II	3
SC 135 or 136	Business & Professional Comm Public Address	3	PHYS 162	Fundamentals of Scientific Programming	3
PHYS 151	Computational Modeling of Physical Systems	1	MUSIC 131 or ART 131	Introduction to Music or Drawing and Composition I	3
		18 hrs			17 hrs

Second Year					
Third Semester			Fourth Semester		
PHYS 217	University Physics Lab II	1	PHYS 218	University Physics Lab III	1
PHYS 247	Math Methods I	3	PHYS 248	Math Methods II	3
PHYS 251	University Physics II	3	PHYS 252	University Physics III	3
PHYS 271	COMP PHYS I	3	PHYS 272	Mechanics I	3
ENG 2xx	Any 200 Level ENG may be selected	3	MATH 250	Linear Algebra	3
MATH 243	Calculus III	4	HIST 231 or POLS 231	American Political Systems I	3
		17 hrs			16 hrs

Third Year					
Fifth Semester			Sixth Semester		
PHYS 333	Electricity and Magnetism I	3	PHYS 332	Modern Physics	3
PHYS 353	Quantum Mechanics I	3	PHYS 336	Thermodynamics and Stat. Phys.	3
MATH 345	Applied Math and Stat. for Technology	3	PHYS 360	Advanced Undergraduate Laboratory	1
MATH 251	Diff Equations	3	HIST 232 or POLS 232	American Political Systems II	3
HIST 231 or POLS 231	American Political Systems I	3	ED	Education Courses	6
		15 hrs			16 hrs

Fourth Year					
Seventh Semester			Eighth Semester		
PHYS 411	Senior Seminar/Workshop I	1	HIST 232 or POLS 232	American Political Systems II	3
ECON 231	Principles of Economics	3	ED	Education Courses	9
ED	Education Courses	9			
		13 hrs			12 hrs

Bachelor of Science Degree in Physics
 FIVE-YEAR DEGREE IN PHYSICS EDUCATION
 Degree Plan - Total Credits: 124

First Year			
First Semester		Second Semester	
PHYS 151 Computational Modeling of Physical Systems	1	PHYS 116 University Physics Lab I	1
MATH 241 Calculus I	4	PHYS 152 University Physics I	3
ENG 131 Freshman English I	3	MATH 242 Calculus II	4
CHEM 111, 131 or BIOL 143 General Chemistry & Lab I, Survey of Life Science	4	ENG 132 Freshman English II	3
		PHYS 162 Fundamentals of Scientific Programming	3
	12 hrs		14 hrs

Second Year			
Third Semester		Fourth Semester	
PHYS 217 University Physics Lab II	1	CS 120 Introduction to Programming C++	3
PHYS 247 Math Methods I	3	MATH 250 Linear Algebra	3
PHYS 251 University Physics II	3	SC 135 or 136 Business & Professional Comm Public Address	3
PHYS 271 COMP PHYS I	3	MUSIC 131 or ART 131 Introduction to Music or Drawing and Composition I	3
MATH 243 Calculus III	4		
	14 hrs		12 hrs

Third Year			
Fifth Semester		Sixth Semester	
HIST 231 or POLS 231 American Political Systems I	3	PHYS 218 University Physics Lab III	1
ED Education Courses	3	PHYS 248 Math Methods II	3
ENG 2xx Any 200 Level ENG may be selected	3	PHYS 252 University Physics III	3
MATH 251 Diff Equations	3	PHYS 272 Mechanics I	3
		ED Education Courses	3
	12 hrs		13

Fourth Year			
Seventh Semester		Eighth Semester	
PHYS 333 Electricity and Magnetism I	3	PHYS 332 Modern Physics	3
PHYS 353 Quantum Mechanics I	3	PHYS 336 Thermodynamics and Stat. Phys.	3
MATH 345 Applied Math and Stat. for Technology	3	PHYS 360 Advanced Undergraduate Laboratory	1
HIST 231 or POLS 231 American Political Systems I	3	HIST 232 or POLS 232 American Political Systems II	3
	12 hrs		10 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
PHYS 411 Senior Seminar/Workshop I	1	HIST 232 (3) or POLS 232 (3) American Political Systems II	3
ECON 231 Principles of Economics	3	ED Education Courses	9
ED Education Courses	9		
	13 hrs		12 hrs

Bachelor of Science Degree in Physics
SIX-YEAR DEGREE IN PHYSICS EDUCATION
Degree Plan - Total Credits: 124

First Year			
First Semester		Second Semester	
PHYS 151 Computational Modeling of Physical Systems	1	PHYS 116 University Physics Lab I	1
MATH 241 Calculus I	4	PHYS 152 University Physics I	3
CHEM 111, 131 or BIOL 143 General Chemistry & Lab I, Survey of Life Science	4	MATH 242 Calculus II	4
		PHYS 162 Fundamentals of Scientific Programming	3
	9 hrs		11 hrs

Second Year			
Third Semester		Fourth Semester	
PHYS 217 University Physics Lab II	1	CS 120 Introduction to Programming C++	3
PHYS 247 Math Methods II	3	MATH 250 Linear Algebra	3
PHYS 251 University Physics II	3	ENG 131 Freshman English I	3
MATH 243 Calculus III	4		
	11 hrs		9 hrs

Third Year			
Fifth Semester		Sixth Semester	
HIST 231 or POLS 231 American Political Systems I	3	PHYS 218 University Physics Lab III	1
ENG 132 Freshman English II	3	PHYS 248 Math Methods II	3
PHYS 271 COMP PHYS I	3	PHYS 252 University Physics III	3
		PHYS 272 Mechanics I	3
	9 hrs		10 hrs

Fourth Year			
Seventh Semester		Eighth Semester	
PHYS 333 Electricity and Magnetism I	3	MUSIC 131 or ART 131 Introduction to Music or Drawing and Composition I	3
PHYS 353 Quantum Mechanics I	3	SC 135 or 136 Business & Professional Comm Public Address	3
MATH 345 Applied Math and Stat. for Technology	3	ENG 2xx Any 200 Level ENG may be selected	3
		ED Education Courses	3
	9 hrs		12 hrs

Fifth Year			
Ninth Semester		Tenth Semester	
MATH 251 Diff Equations	3	PHYS 332 Modern Physics	3
ED Education Courses	3	PHYS 336 Thermodynamics and Stat. Phys.	3
HIST 231 or POLS 231 American Political Systems I	3	PHYS 360 Advanced Undergraduate Laboratory	1
		ED Education Courses	6
	9 hrs		13 hrs

Sixth Year			
Ninth Semester		Tenth Semester	
PHYS 411 Senior Seminar/Workshop I	1	HIST 232 or POLS 232 American Political Systems II	3
ECON 231 Principles of Economics	3	ED Education Courses	6
HIST 232 or POLS 232 American Political Systems II	3		
ED Education Courses	6		
	13 hrs		9 hrs

DEPARTMENT OF TRANSPORTATION STUDIES

The Department of Transportation Studies offers courses in the academic discipline of **Aviation Science and Technology (AWS)**. Through curricular offerings provided, students are able to earn **the Bachelor of Science (B.S.) in Aviation Science and Technology and the Master of Science (M.S.) in Transportation Planning and Management**. Cooperative Education (COE) courses are also offered through this instructional unit. **An undergraduate minor is offered in Aviation Science and Technology for students majoring in other academic disciplines. The Aviation Science and Technology Degree Program is accredited by the National Association of Industrial Technology (NAIT).** Members of the Department are housed in the College of Science and Technology/AWS Center.

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 curriculum of study for the Bachelor of Science (B.S.) in **Aviation Science and Technology** provides students with two tracks, through which a concentration may be gained, to focus on: **Aviation Computer Science** and **Aviation Science Management**. A detailed listing of these requirements, by track, is given below. **Students selecting to pursue the B.S. in Aviation Science and Technology are not required to declare a minor in another academic discipline. Additionally, grades of “C” or better must be earned in all Aviation and Management courses required for either track leading to completion of the degree, as well as in all Computer Science courses required in the Aviation Computer Science track. Grades of “C-” are unacceptable. Prior to graduation, majors must pass an exit examination during their senior year.**

The mission of the Department of Transportation Studies is threefold: (1) to prepare students, specifically, for a variety of administrative and managerial positions in aviation; (2) to prepare students to function effectively in a number of diverse computer-related areas in the field of aviation; and (3) to provide students with adequate academic background and preparation for pursuing graduate study in the field of aviation or affiliated areas. In the fulfillment of this mission, students selecting the **Aviation Science Management** track of study are prepared for a number of career specialization options: Air Traffic Control Management, Air Carrier Management, Airport Management, and General Aviation Operations Management. To the same end, students choosing the **Aviation Computer Science** track of study are prepared to operate, design software for, troubleshoot, and program computers used in aviation.

Students wishing to pursue one of the tracks of study leading to the B.S. in **Aviation Science and Technology** must first gain admission to the University, must satisfy ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), 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. **In addition, before students may register for courses involving flying, they must first pass an appropriate medical examination administered by a Federal Aviation Administration (FAA) designated Aviation Medical Examiner (AME).** In passing this examination, a letter is provided which entitles the recipient to a special medical certificate documenting his/her qualifications to commence flight training.

Up to fifteen (15) semester credit hours may be given for flight-related experience toward the completion of the requirements for the B.S. in **Aviation Science and Technology**. The awarding of credit and advanced standing for this experience must be determined by the Dean of the College of Science and Technology and/or the Faculty Chair according to the prescribed eligibility requirements. No credit will be given for the FAA private pilot's certificate; however, flight requirements may be waived upon proof of certification. In equating flight-related experience to credit, appropriate documentation (transcripts, certificates, log books, letters of verification) must be submitted as part of the evaluation process.

In addition to academic course work, **a student pursuing the B.S. in Aviation Science and Technology must undertake an internship on a semester credit hour basis to meet degree requirements and gain practical experience.** Participants providing internship sites for students are the Houston Airport System (George Bush Intercontinental, Hobby, and Ellington Airports), Central Business District Helipad, airlines with large operational facilities in Houston, and general aviation. For further information on internships, students should contact either the Internship Coordinator in the College of Science and Technology, the 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 Aviation Science and Technology offered through the Department, students are required to complete 22 semester credit hours in the following courses: AWS 101 (3 credits), AWS 101L (1 credit), AWS 102 (3 credits), AWS 321 (3 credits), AWS 371 (3 credits), AWS 381 (3 credits), AWS 404 (3 credits), and AWS 407 (3 credits).

For additional information on the Bachelor of Science in Aviation Science and Technology, students are asked to contact the Department Office at (713)-313-1841.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Clack, Harry E. Instructor B.S., M.S., Texas Southern University</p>	<p>Lewis, Carol A. Associate Professor B.S., M.S., University of Iowa Ph.D., University of Houston</p>
<p>Dittmer, Peter Assistant Professor B.BA., Texas A & M University M.S., Central Missouri State University Ed.D. (ABD), Nova Southeastern University</p>	<p>Qi, Yi (Grace) Assistant Professor B.S., M.S., East China Normal University, Shanghai M.S. Polytechnic University of New York Ph.D. Polytechnic University of New York</p>
<p>Glass, Charles Assistant Professor B.A., Prairie View A & M University M.A., Texas Southern University M.S.Ed., University of Southern California Ed.D., Texas Southern University</p>	<p>Qiao, Fengxiang Assistant Professor 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>Hall, Tasjah Visiting Instructor B.S., Texas Southern University M.S., Texas Southern University</p>	<p>Yu, Lei Chair, Professor B.S., Beijing (formerly Northern) Jiaotong University M.S., Nagoya Institute of Technology Ph.D., Queen's University</p>

AVIATION SCIENCE AND TECHNOLOGY COURSES

AWS 101	Introduction to Aviation (3) Introduction to operational parts of an airplane, meteorology, aircraft navigation systems, radio procedures, cockpit instrumentation, flight physiology, and FAA regulations governing flight activity of a private pilot. Preparation for FAA private pilot written examination. Three hours of lecture per week.
AWS 101L	Introduction to Aviation Laboratory (1) Introduction to rudimentary flight procedures and techniques required for basic flight. Two hours of laboratory per week. Corequisite: AWS 101.
AWS 102	Aviation History (3) Historical survey of manned flight; developments in aircraft design; the present air transportation system; evolutionary trends in air transportation; origin of all major air carriers; and overview of the role of African-Americans in early aviation. Three hours of lecture per week.
AWS 113	Introduction to Flight (3) Aircraft engine performance charts, weight and balance limitations, cross-country flight control procedures and communication. Supervised dual and solo flight simulations provided to students. Two hours of lecture and two hours of laboratory per week.
AWS 113L	Introduction to Flight Laboratory (1) Flight instruction directed toward the private pilot certificate. Two hours of laboratory per week. Corequisite: AWS 113.
AWS 120	Transportation Survey (3) Transportation modes and their interrelationships; significance of, evolution of, social and environmental impacts of transportation systems; urban transportation problems. Three hours of lecture per week.
AWS 201	Flight Meteorology (3) 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. Corequisite: AWS 201L.
AWS 201L	Flight Meteorology Laboratory (1) Introduction to the methods and techniques of flight meteorology. Two hours of laboratory per week. Corequisite: AWS 201.
AWS 313	Intermediate Flight Theory (3) Aerodynamics, weight and balance computations, performance problems, flight maneuvers, aircraft power plant operations, flight physiology, cockpit instrumentation, and associated FAA regulations. Preparation for FAA commercial pilot written examination. Three hours of lecture per week.
AWS 321	Air Traffic Control (3) Study of the national air traffic control system emphasizing traffic control procedures and the role of centers, approach towers, flight service stations, communications, and navigation procedures. Three hours of lecture per week. Corequisite: AWS 321L.
AWS 321L	Air Traffic Control Laboratory (1) Practical application of air traffic control skills in a laboratory setting. Two hours of laboratory per week. Corequisite: AWS 321.
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 371 Airport Management (3)**
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.
- 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 404 Flight Safety (3)**
Analysis of factors and procedures relating to aviation safety; techniques for accident prevention; development of safety and emergency response programs; procedures used in accident investigations; and human factors. Three hours of lecture per week.
- 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.
- AWS 407 Aviation Services Operations (3)**
Study of the organization, management, and overall operating procedures of a fixed-based operation, including the study of contracts and regulations governing fueling operations and the economics of fuel distribution at airports. Three hours of lecture per week.
- 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 topics included are management responsibilities, federal regulations governing the operations, marketing, safety and customer service. The course will also examine in the fixed base operation: sources of profit, management, and maintenance and operations.
- AWS 495 Field Work Practicum in Airway Science (3)**
Directed study involving field placement which provides students with practical exposure to present operational and managerial practices in aviation.

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. Prerequisites: Completion of at least 30 semester credit hours with minimum GPA of 2.50.
- 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.

Bachelor of Science Degree in Aviation Computer Science
Accredited by National Association of Industrial Technology (NAIT)
Four-Year Degree Plan - Total Credits: 120

First Year									
First Semester				Second Semester					
AWS	101	Intro to Aviation	3	AWS	102	Aviation History	3		
AWS	101L	Intro to Aviation Lab	1	ENG	132	Freshmen English II	3		
MATH	133	College Algebra	3	CS	117	Intro Comp Science II	3		
ENG	131	Freshmen English I	3	MATH	134	Plane Trigonometry	3		
CS	116	Intro Comp Science I	3	HED	233	History & Principles	2		
ITEC	111	Orientation	1	SC	135	Business Prof. Comm	3		
				14hrs					17hrs

Second Year									
Third Semester				Fourth Semester					
AWS	120	Transportation Survey	3	AWS	Elect***	***Elective***	3		
CS	120	Intro to Programming in C++	3	CS	140	Adv Programming in C++	3		
POLS	231	Amer. Pol System I	3	POLS	232	Amer. Pol System II	3		
ENG	2xx	Any 200 Level	3	HIST	232	Soc & Pol since 1877	3		
HIST	231	Soc & Pol to 1877	3	MATH	241	Calculus	4		
				15hrs					16hrs

Third Year									
Fifth Semester				Sixth Semester					
AWS	321	Air Traffic Control	3	AWS	371	Airport Management	3		
AWS	321L	Air Traffic Control Lab	1	CS	243	Computer Organization	3		
AWS	351	Aviation Law	3	CS	343	Microprocessors & Sys	3		
CS	216	Adv Applications I	3	NSCI	1XX**	Natural Science	4		
NSCI	1XX**	Natural Science	4	PSY	131	General Psychology	3		
MUSI	239	Fine Arts & Daily Liv	3						
				17hrs					16hrs

Fourth Year									
Seventh Semester				Eighth Semester					
AWS	406	National Airspace Sys	3	AWS	495	Fieldwork Practicum	3		
AWS	404	Flight Safety	3	AWS	409	Gen Aviation Management/FBO	3		
AWS	Elect***	***Elective***	3	AWS	Elect***	***Elective***	3		
MGMT	300	Business Org & Mgmt	3	ITEC	331	Technical Writing	3		
ITEC	412	Senior Seminar I	1						
				13hrs					12hrs

** Natural Science credits should be selected from the following: BIOL 143 (4); CHEM 111, 131 (4); CHEM 112, 132 (4); GEOL 141 (4); and PHYS 101 (4).

*** AWS Elective Options: AWS 313, 371, and 406 (or any other AWS courses approved by the department)

Bachelor of Science Degree in Aviation Computer Science
Accredited by National Association of Industrial Technology (NAIT)
Five-Year Degree Plan - Total Credits: 120

First Year							
First Semester				Second Semester			
AWS	101	Intro to Aviation	3	AWS	102	Aviation History	3
AWS	101L	Intro to Aviation Lab	1	CS	117	Intro Comp Science II	3
MATH	133	College Algebra	3	MATH	134	Plane Trigonometry	3
CS	116	Intro Comp Science I	3	HED	233	History & Principles of Health	2
SC	135	Business Prof. Comm	3	ITEC	111	Orientation	1
				13hrs			12hrs

Second Year							
Third Semester				Fourth Semester			
AWS	120	Transportation Survey	3	AWS	Elect***	***Elective***	3
CS	120	Intro to Programming in C++	3	CS	140	Adv Programming in C++	3
ENG	131	Freshmen English I	3	ENG	132	Freshmen English II	3
MATH	241	Calculus	4	MUSI	239	Fine Arts & Daily Liv	3
				13hrs			12hrs

Third Year							
Fifth Semester				Sixth Semester			
AWS	321	Air Traffic Control	3	AWS	371	Airport Management	3
AWS	321L	Air Traffic Control Lab	1	CS	243	Computer Organization	3
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				
				13hrs			12hrs

Fourth Year							
Seventh Semester				Eighth Semester			
AWS	351	Aviation Law	3	AWS	409	Gen Aviation Management/FBO	3
CS	216	Adv Applications I	3	CS	343	Microprocessors & Sys	3
NSCI	1XX**	Natural Science	4	NSCI	1XX**	Natural Science	4
ITEC	412	Senior Seminar	1	PSY	131	General Psychology	3
				11hrs			13hrs

Fifth Year							
Ninth Semester				Tenth Semester			
AWS	406	National Airspace Sys	3	AWS	495	Fieldwork Practicum	3
AWS	404	Flight Safety	3	AWS	Elect***	***Elective***	3
ITEC	331	Technical Writing	3	AWS	Elect***	***Elective***	3
MGMT	300	Business Org & Mgmt	3				
				12hrs			9hrs

** Natural Science credits should be selected from the following: BIOL 143 (4); CHEM 111, 131 (4); CHEM 112, 132 (4); GEOL 141 (4); and PHYS 101 (4).

*** AWS Elective Options: AWS 313, 371, and 406 (or any other AWS courses approved by the department)

Bachelor of Science Degree in Aviation Computer Science
Accredited by National Association of Industrial Technology (NAIT)
Six-Year Degree Plan - Total Credits: 120

First Year							
First Semester				Second Semester			
AWS	101	Intro to Aviation	3	AWS	102	Aviation History	3
AWS	101L	Intro to Aviation Lab	1	CS	117	Intro Comp Science II	3
MATH	133	College Algebra	3	MATH	134	Plane Trigonometry	3
CS	116	Intro Comp Science I	3	ITEC	111	Orientation	1
10hrs				10hrs			

Second Year							
Third Semester				Fourth Semester			
AWS	120	Transportation Survey	3	AWS	321	Air Traffic Control	3
CS	120	Intro to Programming in C++	3	AWS	321L	Air Traffic Control Lab	1
MATH	241	Calculus	4	CS	140	Adv Programming in C++	3
				MUSI	239	Fine Arts & Daily Liv	3
10hrs				10hrs			

Third Year							
Fifth Semester				Sixth Semester			
AWS	Elect***	***Elective***	3	AWS	371	Airport Management	3
CS	243	Computer Organization	3	ENG	132	Freshmen English II	3
ENG	131	Freshmen English I	3	CS	216	Adv Applications 1	3
9hrs				9hrs			

Fourth Year							
Seventh Semester				Eighth Semester			
AWS	351	Aviation Law	3	AWS	409	Gen Aviation Management/FBO	3
CS	343	Microprocessors & Sys	3	ENG	2xx	Any 200 Level	3
NSCI	1XX**	Natural Science	4	NSCI	1XX**	Natural Sci	4
10hrs				10hrs			

Fifth Year							
Ninth Semester				Tenth Semester			
AWS	406	National Airspace Sys	3	AWS	Elect***	***Elective ***	3
POLS	231	Amer. Pol System I	3	POLS	232	Amer. Pol Systems II	3
HIST	231	Soc & Pol to 1877	3	HIST	232	Soc & Pol since 1877	3
SC	135	Business Prof. Comm	3	PSY	131	General Psychology	3
12hrs				12hrs			

Sixth Year							
Eleventh Semester				Twelfth Semester			
AWS	404	Flight Safety	3	AWS	495	Fieldwork Practicum	3
ITEC	331	Technical Writing	3	AWS	Elect***	***Elective ***	3
MGMT	300	Business Org & Mgmt	3	HED	233	History & Principles of Health	2
				ITEC	412	Senior Seminar	1
9hrs				9hrs			

** Natural Science credits should be selected from the following: BIOL 143 (4); CHEM 111, 131 (4); CHEM 112, 132 (4); GEOL 141 (4); and PHYS 101 (4).

*** AWS Elective Options: AWS 313, 371, and 406 (or any other AWS courses approved by the department)

Bachelor of Science Degree in Aviation Science Management
Accredited by National Association of Industrial Technology (NAIT)
Four-Year Degree Plan - Total Credits: 120

First Year							
First Semester				Second Semester			
AWS	101	Intro to Aviation	3	AWS	102	Aviation History	3
AWS	101L	Intro to Aviation Lab	1	ENG	132	Freshmen English II	3
MATH	133	College Algebra	3	SPAN	131	Spanish	3
ENG	131	Freshmen English I	3	PSY	131	General Psychology	3
CS	116	Intro Comp Science I	3	MUSI	239	Fine Arts & Daily Liv	3
ITEC	111	Orientation	1				
SC	135	Business Prof. Comm	3				
				17hrs			15hrs

Second Year							
Third Semester				Fourth Semester			
AWS	120	Transportation Survey	3	AWS	Elect***	***Elective***	3
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
NSCI	1XX**	Natural Science	4	NSCI	1XX**	Natural Science	4
SPAN	132	Spanish	3	ENG	2xx	Any 200 Level	3
				16hs			16hrs

Third Year							
Fifth Semester				Sixth Semester			
AWS	321	Air Traffic Control	3	AWS	381	Air Carrier Management	3
AWS	321L	Air Traffic Control Lab	1	AWS	371	Airport Management	3
AWS	351	Aviation Law	3	AWS	Elect***	***Elective***	3
MGMT	300	Business Org & Mgmt	3	MGMT	301	Personnel and Manpower Dev	3
ITEC	331	Technical Writing	3	MKTG	306	Principles of Marketing	3
ENGT	331	Engineering Economy	3				
				16rs			15rs

Fourth Year							
Seventh Semester				Eighth Semester			
AWS	406	National Airspace Sys	3	AWS	495	Fieldwork Practicum	3
AWS	404	Flight Safety	3	AWS	409	General Aviation Management	3
MGSC	304	Information Technology	3	AWS	Elect***	***Elective***	3
MGMT	402	Advanced Aircraft Sys	3	MGMT	402	International Management	3
ITEC	412	Senior Seminar	1				
				13hrs			12hrs

** Natural Science credits should be selected from the following: BIOL 143 (4); CHEM 111, 131 (4); CHEM 112, 132 (4); GEOL 141 (4); and PHYS 101 (4).

*** AWS Elective Options: AWS 313, 371, and 406 (or any other AWS courses approved by the department)

Bachelor of Science Degree in Aviation Science Management
Accredited by National Association of Industrial Technology (NAIT)
Five-Year Degree Plan - Total Credits: 120

First Year							
First Semester				Second Semester			
AWS	101	Intro to Aviation	3	AWS	102	Aviation History	3
AWS	101L	Intro to Aviation Lab	1	ENG	132	Freshmen English II	3
MATH	133	College Algebra	3	PSY	131	General Psychology	3
ENG	131	Freshmen English I	3	MUSI	239	Fine Arts & Daily Liv	3
ITEC	111	Orientation	1				
				11hrs			12hrs

Second Year							
Third Semester				Fourth Semester			
AWS	120	Transportation Survey	3	AWS	Elect***	***Elective***	3
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	SPAN	131	Spanish	3
				12hrs			12hrs

Third Year							
Fifth Semester				Sixth Semester			
AWS	351	Aviation Law	3	AWS	Elect***	***Elective***	3
SPAN	132	Spanish	3	NSCI	1XX**	Natural Science	4
NSCI	1XX**	Natural Science	4	CS	116	Intro Comp Science I	3
SC	135	Business Prof. Comm					3
				13hrs			10hrs

Fourth Year							
Seventh Semester				Eighth Semester			
AWS	321	Air Traffic Control	3	AWS	381	Air Carrier Management	3
AWS	321L	Air Traffic Control Lab	1	AWS	371	Airport Management	3
MGMT	300	Business Org & Mgmt	3	MGMT	301	Personnel and Manpower Dev	3
ITEC	331	Technical Writing	3	MKTG	306	Principles of Marketing	3
ENGT	331	Engineering Economy					3
				13hrs			12hrs

Fifth Year							
Ninth Semester				Tenth Semester			
AWS	406	National Airspace Sys	3	AWS	495	Fieldwork Practicum	3
AWS	404	Flight Safety	3	AWS	409	General Aviation Management	3
MGSC	304	Information Technology	3	AWS	Elect***	***Elective***	3
MGMT	402	Advanced Aircraft Sys	3	MGMT	402	International Management	3
ITEC	412	Senior Seminar	1				
				13hrs			12hrs

** Natural Science credits should be selected from the following: BIOL 143 (4); CHEM 111, 131 (4); CHEM 112, 132 (4); GEOL 141 (4); and PHYS 101 (4).

*** AWS Elective Options: AWS 313, 371, and 406 (or any other AWS courses approved by the department)

Bachelor of Science Degree in Aviation Science Management
Accredited by National Association of Industrial Technology (NAIT)
Six-Year Degree Plan - Total Credits: 120

First Year							
First Semester		Second Semester					
AWS	101L	Intro to Aviation Lab	1	ENG	132	Freshmen English II	3
MATH	133	College Algebra	3	PSY	131	General Psychology	3
ENG	131	Freshmen English I	3	ITEC	111	Orientation	1
			10hrs				10hrs

Second Year							
Third Semester		Fourth Semester					
AWS	120	Transportation Survey	3	AWS	Elect***	***Elective***	3
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	SPAN	131	Spanish	3
			12hrs				12hrs

Third Year							
Fifth Semester		Sixth Semester					
AWS	351	Aviation Law	3	AWS	Elect***	***Elective***	3
SPAN	132	Spanish	3	NSCI	1XX**	Natural Science	4
NSCI	1XX**	Natural Science	4	CS	116	Intro Comp Science I	3
			10hrs				10hrs

Fourth Year							
Seventh Semester		Eighth Semester					
AWS	321	Air Traffic Control	3	AWS	381	Air Carrier Management	3
AWS	321L	Air Traffic Control Lab	1	AWS	371	Airport Management	3
MGMT	300	Business Org & Mgmt	3	MGMT	301	Personnel and Manpower Dev	3
ITEC	331	Technical Writing	3				
			10hrs				9hrs

Fifth Year							
Ninth Semester		Tenth Semester					
AWS	404	Flight Safety	3	AWS	409	General Aviation Management	3
ENGT	331	Engineering Economy	3	MKTG	306	Principles of Marketing	3
SC	135	Business Prof. Comm	3	MGMT	402	International Management	3
			9hrs				9hrs

Sixth Year							
Eleventh Semester		Twelfth Semester					
AWS	406	National Airspace Sys	3	AWS	495	Fieldwork Practicum	3
MGSC	304	Information Technology	3	AWS	Elect***	***Elective***	3
MGMT	402	Advanced Aircraft Sys	3	MUSI	239	Fine Arts & Daily Liv	3
ITEC	412	Senior Seminar	1				
			10hrs				9hrs

** Natural Science credits should be selected from the following: BIOL 143 (4); CHEM 111, 131 (4); CHEM 112, 132 (4); GEOL 141 (4); and PHYS 101 (4).

*** AWS Elective Options: AWS 313, 371, and 406 (or any other AWS courses approved by the department)



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.

DEVELOPMENTAL ENGLISH COURSES

ENG 129 **Introduction to English Fundamentals** **(3)**

Designed to prepare students to develop college level writing proficiency and to master the skills measured on state required tests. Focus on sentence structure, usage, mechanical conventions, and paragraph development. Three hours of lecture and one hour of laboratory per week.

ENG 130 **Introduction to English Fundamentals** **(3)**

Designed to further prepare students to develop college level writing proficiency and to master the skills measured on state-required tests. Course is devoted to the practice of writing essays that demonstrate a mastery of fundamental principles of grammar and composition. Three hours of lecture and one hour of laboratory per week.

DEVELOPMENTAL MATHEMATICS COURSES

MATH 130 **Fundamental Math** **(3)**

Designed to provide students with the concepts and skills necessary for successful performance in college level mathematics. Assists students in passing state-required tests. Provides the academic foundation for success in MATH 131. Three hours of lecture and one hour of laboratory per week.

MATH 131 **Analytical Math** **(3)**

Designed to provide students with the necessary mathematical foundation to pass freshman level mathematics courses. Assists students in passing state-required tests. Three hours of lecture and one hour of laboratory per week.

