

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN ELECTRICAL AND COMPUTER ENGINEERING
ELECTRICAL ENGINEERING CONCENTRATION
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*		MAJOR (ELECTRICAL AND COMPUTER ENGINEERING)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
43 credits		61 credits	21 credits	0 credits
Communication:		ECE 110 (1)	CHEM 111 (1)	
ENG 131 (3)	ENGL 1301	ECE 111 (1)	ENGR 131 (3)	
ENG 132 (3)	ENGL 1302	ECE 131 (3)	FS 102 (1)	
Mathematics:		ECE 211(1)	MATH 242 (4)	
MATH 241 (4)**	MATH 2413	ECE 215 (1)	MATH 243 (4)	
Life and physical sciences:		ECE 231 (3)	MATH 251 (3)	
CHEM 131 (3)	CHEM 1311	ECE 235 (3)	PHYS 217 (1)	
PHYS 251 (3)	PHYS 2325	ECE 311 (1)	PHYS 218 (1)	
Language, philosophy, and culture:		ECE 312 (1)	PHYS 252 (3)	
ENG 2xx (3) ***		ECE 315 (1)		
Creative arts:		ECE 319 (1)		
MUSI 239 (3)	HUMA 1315	ECE 330 (3)		
American history:		ECE 331 (3)		
HIST 231 (3)	HIST 1301	ECE 332 (3)		
HIST 232 (3)	HIST 1302	ECE 334 (3)		
Government/political science:		ECE 335 (3)		
POLS 235 (3)	GOVT 2305	ECE 338 (3)		
POLS 236 (3)	GOVT 2306	ECE 339 (3)		
Social and behavioral sciences:		ECE 412 (1)		
ECON 231 (3)	ECON 2301	ECE 432 (3)		
Institutional Options:		ECE 430 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	ECE 433 (3)		
ECE 130 (3)***	ENGR 2304	ECE 437 (3)		
		ECE 438 (3)		
		ECE 441 (4)		
		ECE-ECX (0)		
		Technical Elective (3)^		

*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

**MATH 241 will be taken in lieu of Math 136 to satisfy the mathematics core requirement. For engineering majors only.

***ECE 130 will be taken in lieu of CS116 to satisfy the institutional option of core requirement.

^ Technical Electives may be selected from ECE 336 (3), ECE 435 (3) ECE 430 (3), ECE 333, & ECE 239(3)