

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

CORE CURRICULUM (STANDARD)*		MAJOR (ELECTRICAL AND COMPUTER ENGINEERING)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
43 credits		60 credits	22 credits	0 credits
<b>Communication:</b>		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)	ENGT 111 (1)	
<b>Mathematics:</b>		ECE 211(1)	MATH 242 (4)	
MATH 241 (4)	MATH 2413	ECE 215 (1)	MATH 243 (4)	
<b>Life and physical sciences:</b>		ECE 231 (3)	MATH 251 (3)	
CHEM 131 (3)	CHEM 1311	ECE 235 (3)	PHYS 217 (1)	
PHYS 251 (3)	PHYS 2325	ECE 236 (3)	PHYS 218 (1)	
<b>Language, philosophy, and culture:</b>		ECE 311 (1)	PHYS 252 (3)	
ENG 2xx (3) ***		ECE 312 (1)	FS 102 (1)	
<b>Creative arts:</b>		ECE 319 (1)		
MUSI 239 (3)	HUMA 1315	ECE 330 (3)		
<b>American history:</b>		ECE 331 (3)		
HIST 231 (3)	HIST 1301	ECE 332 (3)		
HIST 232 (3)	HIST 1302	ECE 336 (3)		
<b>Government/political science:</b>		ECE 337 (3)		
POLS 235 (3)	GOVT 2305	ECE 338 (3)		
POLS 236 (3)	GOVT 2306	ECE 339 (3)		
<b>Social and behavioral sciences:</b>		ECE 414 (1)		
ECON 231 (3)	ECON 2301	ECE 434 (3)		
<b>Institutional Options:</b>		ECE 436 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	ECE 437 (3)		
ECE 130 (3)***	ENGR 2304	ECE 439(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 taken be 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 333 (3), ECE 435 (3), & ECE 239(3).