

BACHELOR OF SCIENCE, MAJOR IN ELECTRONICS AND COMPUTER ENGINEERING TECHNOLOGY

Code	Title	Hours
Bachelor of Science, Major in Electronics and Computer Engineering Technology		
Core Curriculum		
	Component Area I (Communication)	6
	Component Area II (Mathematics)	3
	Component Area III (Life and Physical Science)	8
	Component Area IV (Language, Philosophy, and Culture)	3
	Component Area V (Creative Arts)	3
	Component Area VI (U.S. History)	6
	Component Area VII (Political Science/Government)	6
	Component Area VIII (Social and Behavioral Sciences)	3
	Component Area IX (Component Area Option)	4
Degree Specific Requirements		
ENGL 3330	Intro To Technical Writing	3
STAT 3379	Statistical Methods In Practice	3
MATH 1316	Plane Trigonometry ¹	3
MATH 1420	Calculus I ²	4
PHYS 1301 & PHYS 1101	General Phy-Mechanics & Heat and General Physics Laboratory I	4
PHYS 1302 & PHYS 1102	Gen Phy-Snd,Lght, Elec, & Mag and General Physics Laboratory II	4
	Select 8 hours from BIOL, CHEM, GEOL OR GEOG 1401 (exclude PHYS) ³	8
Major Core		
COSC 1436	Programming Fundamentals I	4
COSC 1437	Programming Fundamentals II	4
ETDD 1361	Engineering Graphics	3
ETEE 1340	Electronics Technology I	3
Major		
COSC 2327	Intro to Computer Networks	3
COSC 2329	Comp Organiz & Machine Lang	3
COSC 3327	Computer Architecture	3
EETC 1010	Engineering Foundations	1-2
ETEE 2320	Electronics Technology II	3
EETC 3340	Solar and Wind Energy Systems	3
ETEE 3350	Solid State Electronics	3
ETEE 3373	Industrial Electronics	3
EETC 3376	Microcontroller Applications	3
EETC 4340	Alternative Energy Technology	3
ETEE 4351	Automation & Control Systems	3
ETEE 4352	Instrumentation & Interfacing	3
ETEE 4373	Digital Electronics	3
	Internship	6
EETC 4391	Work Base Mentorship	
Advanced ETEE & ECET Electives		6
Total Hours		122-123

¹ MATH 1316 satisfies the Core Curriculum requirement for Component Area II (Mathematics) and the Degree Specific requirements.

² MATH 1420 satisfies one semester credit hour of the Core Curriculum requirement for Component Area IX (Component Area Option) and the Degree Specific requirements.

³ Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science) and Degree Specific requirements.

First Year

Fall	Hours Spring	Hours
Component Area I	3 Component Area I	3
Component Area IX	3 Component Area IV	3
ETEC 1010	1-2 COSC 1436	4
ETDD 1361	3 ETEE 2320	3
ETEE 1340	3 MATH 1420 ²	4
MATH 1316 ¹	3	
16-17		17

Second Year

Fall	Hours Spring	Hours
Component Area VI	3 Component Area VI	3
Component Area V	3 Component Area VII	3
COSC 1437	4 Component Area VIII	3
ETEE 3350	3 ENGL 3330	3
PHYS 1301 & PHYS 1101	4 PHYS 1302 & PHYS 1102	4
17		16

Third Year

Fall	Hours Spring	Hours
Component Area VII	3 Component Area III	4
Component Area III	4 COSC 3327	3
COSC 2327	3 ETEC 3340	3
COSC 2329	3 ETEE 4373	3
ETEE 3373	3	
16		13

Fourth Year

Fall	Hours Spring	Hours
ETEC 3376	3 ETEE 4352	3
STAT 3379	3 ETEC 4391 (Internship)	3
ETEC 4340	3 ETEC 4391 (Internship)	3
ETEE 4351	3 ETEE Advanced Elective	3
ETEE Advanced Elective	3	
15		12

Total Hours: 122-123

¹ Satisfies Core Curriculum requirement for Component Area II (Mathematics).

² Satisfies one semester credit hour of the Core Curriculum requirement for Component Area IX (Component Area Option).