

BACHELOR OF SCIENCE, MAJOR IN ELECTRONICS AND COMPUTER ENGINEERING TECHNOLOGY

Core Curriculum (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/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		
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
ENGL 3330 or MATH 3379	Intro To Technical Writing Statistical Mthods In Practice	3
Select 8 hours from BIOL, CHEM, GEOL OR GEOG 1401 (exclude PHYS) ³		8
Major Core		
ETDD 1361	Engineering Graphics	3
ETEE 1340	Electronics Technology I	3
COSC 1436	Programming Fundamentals I	4
COSC 1437	Programming Fundamentals II	4
Major		
ETEE 2320	Electronics Technology II	3
ETEE 3350	Solid State Electronics	3
ETEE 3373	Industrial Electronics	3
ETEE 4373	Digital Electronics	3
ETEC 4340	Alternative Energy Technology	3
ETEC 3340	Solar and Wind Energy Systems	3
ETEC 3376	Microcontroller Applications	3
Internship		6
ETEC 4391	Work Base Mentorship	
Advanced ETEE Electives		9
COSC 2327	Intro to Computer Networks	3
COSC 2329	Comp Organiz & Machine Lang	3
COSC 3327	Computer Architecture	3
COSC 4326	Network Theory	3
COSC 4349	Professionalism and Ethics	3
Total Hours		121

¹ MATH 1316 satisfies the requirement for Component Area II and the degree specific requirements.

² MATH 1420 satisfies one hour of Component Area IX and the degree specific requirements.

³ Satisfies Component Area III and degree specific requirements.

First Year

Fall	Hours Spring	Hours
ETDD 1361	3 ETEE 2320	3
ETEE 1340	3 MATH 1420 ²	4
MATH 1316 ¹	3 COSC 1436	4
Component Area I (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3 Component Area I (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3
Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	3 Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaii)	3
	15	17

Second Year

Fall	Hours Spring	Hours
PHYS 1301 & PHYS 1101	4 PHYS 1302 & PHYS 1102	4
ETEE 3350	3 ENGL 3330 or MATH 3379	3
COSC 1437	4 Component Area VI (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3
Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3 Component Area VII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3
Component Area VI (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3 Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
	17	16

Third Year

Fall	Hours Spring	Hours
COSC 2327	3 ETEC 3340	3
COSC 2329	3 ETEE 4373	3
ETEE 3373	3 COSC 3327	3
Component Area VII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3 Advanced ETEE Elective	3
Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4 Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4
	16	16

Fourth Year

Fall	Hours Spring	Hours
ETEC 4340	3 Internship	6
ETEC 3376	3 ETEC 4391	
COSC 4349	3 COSC 4326	3
Advanced ETEE Elective	3 Advanced ETEE Elective	3
	12	12

Total Hours: 121

¹ Satisfies Component Area II.² Satisfies one hour of Component Area IX.