

BACHELOR OF SCIENCE, MAJOR IN ENGINEERING TECHNOLOGY - CONCENTRATION IN ELECTRONICS

Bachelor of Science, Major in Engineering Technology - Concentration in Electronics

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

Select one of the following: ¹ 3

MATH 1314	Pre Calculus Algebra	
MATH 1420	Calculus I	
MATH 1324	Mth For Mngl Decision Making	
MATH 1316	Plane Trigonometry ¹	3
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 one of the following: 3

ACOM 3360	Communication Skills for Agriculturists	
ENGL 3330	Intro To Technical Writing	
MATH 3379	Statistical Mthods In Practice	

Major Core

ETEC 1100	Foundations in Engr Technology	1
ETEE 1340	Electronics Technology I	3
ETDD 1361 or ETDD 1390	Engineering Graphics Intro -Computer Aided Drafting	3

Major

ETEE 2320	Electronics Technology II	3
ETEC 3340	Solar and Wind Energy Systems	3
ETEE 3350	Solid State Electronics	3
ETEE 3373	Industrial Electronics	3
ETEC 3376	Microcontroller Applications	3
ETEE 4373	Digital Electronics	3
ETEC 4340	Alternative Energy Technology	3
ETEC 4384 or INED 4391	Supervisory Personnel Practice Lab Mgt,Organization & Control	3
ETSM 4382	Industrial Safety	3
6 hours of Internship		6
ETEC 4391	Work Base Mentorship	

Approved Advanced Electronics Electives 6

Minor

Minor 9

Minor (9 hours advanced)	9
Total Hours	120

¹ MATH 1316 or MATH 1314 or MATH 1420 or MATH 1324 satisfies the requirement for Component Area II and the degree specific requirement.

Note

Students should use elective and/or minor hours to satisfy the 42 advanced hour requirement.

First Year

Fall	Hours Spring	Hours
EETC 1100	1 ETEE 2320	3
ETDD 1361 or 1390	3 MATH 1316	3
ETEE 1340	3 Minor	3
MATH 1314, 1324, or 1420 ¹	3 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 IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiiv)	3
Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	4	
	17	15

Second Year

Fall	Hours Spring	Hours
PHYS 1301 & PHYS 1101	4 ACOM 3360, ENGL 3330, or MATH 3379	3
ETEE 3350	3 PHYS 1302 & PHYS 1102	4
EETC 3340	3 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
	16	16

Third Year

Fall	Hours Spring	Hours
ETEE 3373	3 EETC 4382	3
Minor	3 EETC 4384 or INED 4310	3
Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4 Minor (3 Advanced)	6
Component Area VII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3 Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4
	13	16

Fourth Year

Fall	Hours Spring	Hours
EETC 3376	3 EETC 4340	3
ETEE 4373	3 Internship	6
Minor (Advanced)	6 EETC 4391	

Advanced ETEE Electives	6
12	15

Total Hours: 120

¹ Satisfies Component Area II. MATH 1420 will also satisfy one hour of Component Area IX.