

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: 3

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

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

Major Core

ETDD 1361	Engineering Graphics	3
or ETDD 1390	Intro -Computer Aided Drafting	
ETEC 1010	Engineering Foundations	1-2
ETEE 1340	Electronics Technology I	3

Major

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

Approved Advanced Electronics Electives (ETEE) 6

Minor

Minor 9

Minor (9 hours advanced)	9
Total Hours	120-121

¹ MATH 1316 or MATH 1314 or MATH 1420 or MATH 1324 satisfies the Core Curriculum requirement for Component Area II (Mathematics) 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
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)	4 Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv)	3
ETDD 1361 or 1390	3 ETEE 2320	3
ETEC 1010	1-2 MATH 1316	3
ETEE 1340	3 Minor Course	3
MATH 1314, 1324, or 1420 ¹	3	3
	17-18	15

Second Year

Fall	Hours Spring	Hours
Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3 Component Area VI (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3
Component Area VI (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3 Component Area VII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3
ETEC 3340	3 Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
ETEE 3350	3 ACOM 3360, ENGL 3330, or MATH 3379	3
PHYS 1301 & PHYS 1101	4 PHYS 1302 & PHYS 1102	4
	16	16

Third Year

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

Fourth Year

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

ETEE Advanced Electives	6
12	15

Total Hours: 120-121

¹ Satisfies Core Curriculum requirement for Component Area II (Mathematics). MATH 1420 will also satisfy one semester credit hour of Core Curriculum Component Area IX (Component Area Option).