

BACHELOR OF SCIENCE, MAJOR IN ENGINEERING TECHNOLOGY

Bachelor of Science, Major in 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

Select one from the following: 3

ACOM 3360	Communication Skills for Agriculturists	
ENGL 3330	Intro To Technical Writing	

Select one from the following: ¹ 3-4

MATH 1314	Pre Calculus Algebra	
MATH 1324	Mth For Mngl Decision Making	
MATH 1420	Calculus I	
MATH 1316	Plane Trigonometry ¹	3
MATH 3379	Statistical Mthods In Practice	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

ETCM 1363	Wood Frame Construction	3
ETDD 1361	Engineering Graphics	3
or ETDD 1390	Intro -Computer Aided Drafting	
ETEC 1010	Engineering Foundations	1-2
ETEC 1371	Descriptive Geometry	3
ETEE 1340	Electronics Technology I	3

Major

ETDD 3310	Product Design & Development	3
ETEC 3374	Time And Motion Study	3
or ETEC 3300	Technology Innovations	
ETEC 4340	Alternative Energy Technology	3
ETEC 4384	Supervisory Personnel Practice	3
ETEE 2320	Electronics Technology II	3
ETSM 4382	Industrial Safety	3
INED 4310	Occup. Human Relations in CTE	3

Approved Advanced Electives from: ETEC, ETEE, ETDD, ETCM, ETSM and INED 9

Minor (if required)

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. MATH 1420 also satisfies one semester credit hour of the Core Curriculum requirement for Component Area IX (Component Area Option).

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) ¹	3-4 Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv)	3
ETDD 1361	3 ETEC 1371	3
EETC 1010	1-2 ETEE 2320	3
ETEE 1340	3	
MATH 1314, 1324, or 1420	3-4	
	17-18	12

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
ETCM 1363	3 Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
MATH 1316 ²	3 ACOM 3360 or ENGL 3330	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 ETDD 3310	3
EETC Program Advanced Elective	3 ETEC 3374 or 3300	3
MATH 3379	3 ETEC Program Advanced Elective	3
Minor	3 Minor	3
	16	16

Fourth Year

Fall	Hours Spring	Hours
EETC 4340	3 ETEC 4384	3
EETC Program Advanced Elective	3 INED 4310	3
ETSM 4382	3 Minor	6
Minor	6	
	15	12

Total Hours: 120-121

- ¹ If MATH 1420 is taken, only three semester credit hours are required in Core Curriculum Component Area IX (Component Area Option).
- ² MATH 1316 satisfies Core Curriculum requirement for Component Area II (Mathematics).