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: [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
Select one from the following:		3
ACOM 3360	Communication Skills for Agriculturists	
ENGL 3330	Intro To Technical Writing	
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
ETEC 1371	Descriptive Geometry	3
ETCM 1363	Wood Frame Construction	3
Major		
ETEE 2320	Electronics Technology II	3
ETDD 3310	Product Design & Development	3
ETEC 3374 or ETEC 3300	Time And Motion Study Technology Innovations	3
ETEC 4340	Alternative Energy Technology	3
ETEC 4384	Supervisory Personnel Practice	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

[1]   MATH 1316 or MATH 1314 or MATH 1420 or MATH 1324 satisfies the requirement for Component Area II and the degree specific requirement. MATH 1420 also satisfies one hour of Component Area IX.

Note

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

First Year

Fall	Hours	Spring	Hours
ETEC 1100	1	ETEE 2320	3
ETEE 1340	3	ETEC 1371	3
ETDD 1361	3	Component Area I (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3
MATH 1314, 1324, or 1420	3-4	Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv)	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		
	17		12

Second Year

Fall	Hours	Spring	Hours
ETCM 1363	3	PHYS 1302 & PHYS 1102	4
PHYS 1301 & PHYS 1101	4	ACOM 3360 or ENGL 3330	3
MATH 1316[2]	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
MATH 3379	3	ETEC 3374 or 3300	3
ETEC Program Advanced Elective	3	ETDD 3310	3
Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4	ETEC Program Advanced Elective	3
Component Area VII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3	Minor	3
Minor	3	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	ETEC 4384	3
ETSM 4382	3	INED 4310	3

ETEC Program Advanced Elective	3	Minor	6
Minor	6		
	15		12

Total Hours: 120

[1] If MATH 1420 is taken, only three hours are required in Component Area IX.

[2] MATH 1316 satisfies Component Area II.