BACHELOR OF SCIENCE, MAJOR IN ENGINEERING TECHNOLOGY

Code	Title	Hours
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		
ENGL 3330	Intro to Technical Writing	3
or MATH 3379	Statistical Mthods in Practice	
MATH 1314	Pre Calculus Algebra [1]	3
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		
ETEC 1010	Engineering Foundations	1-2
ETEE 1340	Introduction to Circuits	3
ETDD 1361	Engineering Graphics	3
ETCM 1363	Wood Frame Construction	3
ETEC 1371	Descriptive Geometry	3
Major		
ETEE 2320	Circuits and Systems	3
ETDD 3310	Product Design & Development	3
ETEC 3374	Time And Motion Study	3
or ETEC 3300	Technology Innovations	
ETEC 3375	Statics	3
ETEC 4099	Engineering Innovation	3
ETEC 4340	Alternative Energy Technology	3
or ETEC 3340	Solar and Wind Energy Systems	
ETEE 4352	Instrumentation & Interfacing	3
ETSM 4382	Industrial Safety	3
ETEC 4384	Supervisory Personnel Practice	3
Approved Advanced Electives from: ETEC, ETEE, ETDD, ETCM, ETSM and INED [2]		6
Minor (if required)		
Minor		6
Minor (12 hours advanced)		12
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).

[2] Engineering Technology (ETEC), Design & Development (ETDD), Construction Management (ETCM), Safety Management (ETSM), Electronics (ETEE), Industrial Education (INED)

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
ETEC 1010	1-2	ETEE 1340	3
ETDD 1361	3	ETEC 1371	3
MATH 1314[1]	3	MATH 1316[1]	3
	14-15		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
ETCM 1363	3	Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
Minor Courses	3	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	ETDD 3310	3
ETEE 2320	3	ETEC 3374 or 3300	3
ETEC Program Advanced Elective[2]	3	ETEC Program Advanced Elective[2]	3
Minor Courses	3	Minor Courses (Advanced)	3
	16		16

Fourth Year

Fall	Hours	Spring	Hours
ETEC 4340 or 3340	3	ETEC 3375	3
ETEE 4352	3	ETEC 4099	3
ETSM 4382	3	ETEC 4384	3
Minor Courses (Advanced)	6	Minor Courses (Advanced)	3
	15		12

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).

[2] Engineering Technology (ETEE), Design & Development (ETDD), Construction Management (ETCM), Safety Management (ETSM), Industrial Education (INED).

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