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

Code	Title	Hours
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) [1]		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
ENGL 3330	Intro to Technical Writing	
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
Major		
ETEE 2320	Circuits and Systems	3
ETEC 3340	Solar and Wind Energy Systems	3
ETEE 3350	Analog Electronics	3
ETEE 3373	Control Systems Technology	3
ETEC 3376	Microcontroller Applications	3
ETEC 4099	Engineering Innovation	3
ETEC 4340	Alternative Energy Technology	3
ETEE 4351	Automation & Control Systems	3
ETEE 4352	Instrumentation & Interfacing	3
ETEE 4373	Digital Electronics	3
ETSM 4382	Industrial Safety	3
ETEC 4384	Supervisory Personnel Practice	3
or INED 4310	Occup. Human Relations in CTE	
ETEC 4391	Work Base Mentorship (internship)	3
Minor		
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 will also satisfy one semester credit hour of Core Curriculum 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)	4	Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv)	3
ETEC 1010	1-2	ETDD 1361	3
ETEE 1340	3	ETEE 2320	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
ETEC 3340	3	Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
ETEE 3350	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	ETEC 4384 or INED 4310	3
ETEE 3373	3	ETSM 4382	3
Minor Courses	6	Minor Courses (Advanced)	6
	16		16

Fourth Year

Fall	Hours	Spring	Hours
ETEC 3376	3	ETEC 4099	3
ETEE 4351	3	ETEC 4340	3
ETEE 4373	3	ETEE 4352	3
Minor Courses (Advanced)	6	ETEC 4391	3
	15		12

Total Hours: 120-121

[1] MATH 1316 (catalog.shsu.edu/archives/2019-2020/search/?P=MATH%201316) or MATH 1314 (catalog.shsu.edu/archives/2019-2020/search/?P=MATH%201314) or MATH 1420 (catalog.shsu.edu/archives/2019-2020/search/?P=MATH%201420) or MATH 1324 (catalog.shsu.edu/archives/2019-2020/search/?P=MATH%201324) satisfies the Core Curriculum requirement for Component Area II (Mathematics) and the Degree Specific requirement. MATH 1420 will also satisfy one semester credit hour of Core Curriculum Component Area IX (Component Area Option).

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