Computer Engineering BS
Curriculum Flowchart 2023 - 2024

1st
ENGR 1110^ Engineering Seminar
ENGR 1330^ Comp Thinking
ENGL 1301^ Rhetoric
MATH 1451^ Calculus I
CHEM 1307^ Prin of Chem I
CHEM 1107^ Prin of Chem I Lab

2nd
ENGR 1320^ Bio Inspired Design
ENGR 2392^ Engr Ethics
ENGL 1302^ Advanced Rhetoric
MATH 1452^ Calculus II
PHYS 1408^ Prin of Physics I

3rd
ECE 2305 Programming in C
ECE 2372 Digital Systems
ECE 3302 Circuits
CS 2413 Data Structures
MATH 3250 High Math for Engr I

4th
ECE 3362 ASSY Microcontrollers
ECE 3308 Prob State & Discrete
ECE 3303 Signals & Systems
CS 2365 Object Oriented Prog.
PHYS 2401 Prin of Physics II

5th
ECE 3331 Robotics Project Lab
ECE 3338 Electronics
ECE 3325 Networks
CS 3365 Software Engineering
POLS 1301 American Govt

6th
ECE 3333- Group & Project Lab***
ECE 3335 Microprocessor Architecture
ECE 4375 Embedded Systems
ECE/CS/MATH 33/43-- Tech Elective †
POLS 2306 Texas Politics

7th
ECE 3333- Group & Project Lab***
ECE 4380 Embedded Systems
ECE/CS/MATH 33/43-- Tech Elective †
HIST 2300 US History to 1877

8th
ECE 4333 Capstone Project Lab
ECE or CS 43-- Tech Elective †
HIST 2301 US History since 1877

^Successful completion of these courses with at least 12 TTU credit hours and a TTU GPA of at least 2.5 will satisfy the requirements to move from Foundational Engineering to Computer Engineering.

*Core Curriculum: See QR Code and/or DegreeWorks for additional information.

***Group B: Project Lab in Focus Area (CHOOSE TWO): ECE 3332/3333/3334/3335/3336/3337/3338 - prerequisites vary.

† Select from departmentally approved list: See QR code for additional information.

ECE UNDERGRAD ADVISING RESOURCES
https://www.depts.ttu.edu/ece/undergrad/advising.php