Electrical Engineering BS Curriculum Flowchart 2023 - 2024

1st
- ENGR 1110^ Engineering Seminar
- ENGR 1330^ Comp Thinking
- ENGR 1332^ Bio Inspired Design
- ENGR 1333^ Engr Ethics
- ENGL 1301^ Rhetoric
- ENGL 1302^ Advanced Rhetoric
- MATH 1451^ Calculus I
- MATH 1452^ Calculus II
- CHEM 1307^ Prin of Chem I
- CHEM 1107^ Prin of Chem I Lab
- PHYS 1408^ Prin of Physics I

2nd
- ENGR 1320^ Bio Inspired Design
- ENGR 2392^ Engr Ethics
- ENGR 2393^ Comp Thinking
- ENGR 2394^ Engr Ethics
- ENGL 1301^ Rhetoric
- ENGL 1302^ Advanced Rhetoric
- MATH 2450^ Calculus III
- CHEM 1307^ Prin of Chem I
- CHEM 1107^ Prin of Chem I Lab
- MATH 3250^ High Math for Engr I
- PHYS 2401^ Prin of Physics II

3rd
- ECE 2305 Programming in C
- ECE 2372 Digital Systems
- ECE 3302 Circuits
- ECE 3303 Circuits
- ECE 3304 Circuits
- ECE 3305 Circuits
- ECE 3306 Circuits
- ECE 3307 Circuits
- ECE 3308 Circuits
- ECE 3309 Circuits

4th
- ECE 3363 C Microcontrollers
- ECE 3311 Electronics
- ECE 3303 Signals & Systems
- ECE 3304 Signals & Systems
- ECE 3305 Signals & Systems
- ECE 3306 Signals & Systems
- ECE 3307 Signals & Systems
- ECE 3308 Signals & Systems
- ECE 3309 Signals & Systems

5th
- ECE 3331 Robotics Project Lab
- ECE 3306 Network Analysis
- ECE 3309 Advanced Math & Lin Alg
- ECE 3308 Advanced Math & Lin Alg
- ECE 3307 Advanced Math & Lin Alg
- ECE 3306 Advanced Math & Lin Alg
- ECE 3305 Advanced Math & Lin Alg
- ECE 3304 Advanced Math & Lin Alg
- ECE 3303 Advanced Math & Lin Alg

6th
- ECE 333- Group B Project Lab***
- ECE 333- Group B Project Lab***
- ECE 333- Group B Project Lab***
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- ECE 333- Group B Project Lab***
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- ECE 333- Group B Project Lab***

7th
- ECE 4333 Capstone Project Lab
- ECE 4333 Capstone Project Lab
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- ECE 4333 Capstone Project Lab
- ECE 4333 Capstone Project Lab

8th
- ECE/OEE 33--/43-- Tech Elective */
- ECE/OEE 33--/43-- Tech Elective */
- ECE/OEE 33--/43-- Tech Elective */
- ECE/OEE 33--/43-- Tech Elective */
- HIST 2301 US History since 1877
- HIST 2300 US History to 1877
- Social & Behavioral Sciences*
- Creative Arts*

^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 Electrical Engineering.

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

**Group A: Focus Area (CHOOSE TWO): ECE 3312/ECE 3323/ECE 3342/ECE 3353 – prerequisites vary.

***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.

https://www.depts.ttu.edu/ece/undergrad/advising.php