The flowchart below may not reflect all student schedules; students are encouraged to meet with their advisor to discuss alternative options. Many core curriculum courses and MECH courses are also offered in the summer (Su). Students are encouraged to register early and check Goldmine for course availability. Refer to the University Catalog for all degree requirements at catalog.utep.edu.

Bachelor of Science in Mechanical Engineering (Starting with Calculus)

Required Semester Credit Hours (SCH): 128

Freshman Year
First Semester (17 SCH)
- RWS 1301 Rhetoric and Composition I (3 SCH)
- PHYS 2320 & 2120 Introductory Mechanics & Lab (3 SCH)

Second Semester (16 SCH)
- MATH 1411 Calculus I (3 SCH)
- MECH 1305* Graphic & Design Fundamentals (3 SCH)

Sophomore Year
First Semester (16 SCH)
- RWS 1302 Rhetoric and Comp. II (3 SCH)
- CHEM 1305 & 1105 General Chemistry & Lab (3 SCH)

Second Semester (16 SCH)
- MATH 2312 Calculus II (3 SCH)
- MECH 1321* Mechanics I- Statics (3 SCH)

Junior Year
First Semester (16 SCH)
- HIST 1301 History of U.S. to 1865 (3 SCH)
- MECH 2103* Engineering Computations (3 SCH)

Second Semester (16 SCH)
- HIST 1302 History of U.S. since 1865 (3 SCH)
- MECH 2311* Intro to Thermal-Fluids Science (3 SCH)

Senior Year
First Semester (15 SCH)
- POLS 2310 Introduction to Politics (3 SCH)
- MECH 2331* Mechanics of Materials (3 SCH)

Second Semester (15 SCH)
- POLS 2311 American Gov. and Politics (3 SCH)
- MECH 4366* Senior Design Project (Restricted to last semester) (3 SCH)

Prerequisites dependent on courses selected. See University Catalog.

* C or better required.

Arrow indicates a prerequisite. Color-coded boxes group the course subject. F/Sp/Su/Summer indicates the semesters Fall/Spring/Summer.

Catalog Year 2023-2024 Sample Degree Plan

Last Updated: June 2023