

MECHANICAL ENGINEERING TECHNOLOGY, BS

Course Sequencing

First Year

Fall		Hours
USSE 1201	University Seminar	2
ENGL 1301	Writing and Rhetoric I	3
ENGR 1201	Introduction to Engineering	2
CHEM 1411	General Chemistry I	4
MATH 2413	Calculus I	4
HIST 1301	U.S. History to 1865	3
Hours		18

Spring

ENGL 1302 or COMM 1311	Writing and Rhetoric II or Foundation of Communication	3
ENGR 1312	Engineering Graphics I	3
MATH 2414	Calculus II	4
PHYS 2425	University Physics I	4
HIST 1302	U.S. History Since 1865	3
Hours		17

Second Year

Fall		Hours
ENGR 2325	Statics	3
ENGR 2025	Statics Recitation	0
POLS 2305	U.S. Government and Politics	3
PHYS 2426	University Physics II	4
COSC 1330	Programming for Scientists, Engineers, and Mathematicians	3
Creative Arts Core Requirement		3
Hours		16

Spring

ENGR 2326	Dynamics	3
ENTC 2414	Circuit Analysis I	4
ENGR 3322	Materials Science	3
ENGR 3316	Thermodynamics	3
Hours		13

Third Year

Fall		Hours
ENTC 3306 or ENGR 3315	Fluid Mechanics or Fluid Mechanics	3
ENTC 4446	Control Systems I	4
ENTC 3308 or ENGR 3320	Strength of Materials or Strength of Materials	3
POLS 2306	State and Local Government	3
Hours		13

Spring

ENTC 3302 or ENGR 3350	Manufacturing Processes or Manufacturing Processes	3
ENTC 4320	Heat Transfer	3
ENTC 3455	Solid Modeling and Finite Elements	4

ENTC 4330	Design of Machine Elements	3
ENTC 4210	Solid Mechanics Laboratory	2
ENTC 3220	Thermal-Fluids Laboratory	2
Hours		17

Fourth Year

Fall		Hours
ENTC 4415	Project Justification and Management	4
Technical elective for MCET		3
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Upper Level Math, Science or Engineering Elective		3
ENTC 4360	Mechanical System Design	3
Hours		16

Spring

ENTC 4350	Capstone Projects	3
Technical elective for MCET		3
Language, Philosophy & Culture Core Requirement		3
Social and Behavioral Sciences Core Requirement		3
Hours		12
Total Hours		122