

MECHANICAL ENGINEERING, BS

Course Sequencing

First Year

Fall		Hours
UNIV 1101	University Seminar I	1
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		17

Spring

UNIV 1102	University Seminar II	1
ENGL 1302	Writing and Rhetoric II or COMM 1311 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		18

Second Year

Fall		Hours
COSC 1330	Programming for Scientists, Engineers, and Mathematicians	3
PHYS 2426	University Physics II	4
ENGR 2325	Statics	3
MATH 2415	Calculus III	4
Creative Arts Core Requirement		3
Hours		17

Spring

POLS 2305	U.S. Government and Politics	3
ENGR 2326	Dynamics	3
ENGR 3316	Thermodynamics	3
ENGR 3322	Materials Science	3
MATH 3315	Differential Equations	3
Hours		15

Third Year

Fall		Hours
POLS 2306	State and Local Government	3
ENGR 2460	Circuit Analysis	4
ENGR 3315	Fluid Mechanics	3
ENGR 3320	Strength of Materials	3
Statistics Elective (MATH 3342 or MATH 3345)		3
Hours		16

Spring

ENGR 3350	Manufacturing Processes	3
MEEN 3330	Design of Machine Elements	3
MEEN 3230	Solid Mechanics Laboratory	2
MEEN 3345	Heat Transfer	3

MEEN 3310	Engineering Analysis for Mechanical Engineering	3
Language, Philosophy & Culture Core Requirement		3
Hours		17

Fourth Year

Fall

ENGR 4420	Engineering Lab Measurements	4
ENGR 4240	Project Management	2
MEEN 4360	Thermal Systems Design	3
MEEN 4365	Mechanical Systems Design	3
MEEN Technical Elective		3
Hours		15

Spring

ENGR 4370	Capstone Projects	3
MEEN 4351	Dynamical Systems Analysis and Modeling	3
MEEN Technical Elective		3
MEEN Technical Elective		3
Social and Behavioral Sciences Core Requirement		3
Hours		15
Total Hours		130