

Mechanical Engineering, BS

Mechanical Engineering Major Requirements

J C ENGR 4950	Fundamentals of Civil Engineering Review	1
J CMP SC 1002	Introduction to Computing Tools: Matlab Skills	1
J E ENGR 2300	Introduction to Electrical Networks	3
J E ENGR 2340	Electrical Laboratory for Mechanical Engineers	1
J E MATH 3260	Probability and Statistics for Engineering	3
J M ENGR 1413	Introduction to Engineering Design: CAD	2
J M ENGR 1414	Introduction to Engineering Design: Project	2
J M ENGR 2110	Machine Shop, Fabrication, and Prototyping	2
J M ENGR 2410	Mechanics of Deformable Bodies	3
J M ENGR 3110	Mechanical Design and Machine Elements	3
J M ENGR 3200	Thermodynamics	3
J M ENGR 3250	Material Science for J M ENGR	4
J M ENGR 3700	Fluid Mechanics	3
J M ENGR 3710	Principles of Heat Transfer	3

J M ENGR 3721	Fluid Mechanics Laboratory	1
J M ENGR 3722	Heat Transfer Laboratory	1
J M ENGR 4041	Current Topics in Engineering Design	1
J M ENGR 4120	Design of Thermal Systems	3
J M ENGR 4170	Dynamic Response of Physical Systems	2
J M ENGR 4180	Dynamic Response Laboratory	1
J M ENGR 4110	Mechanical Engineering Design Project	3
J M ENGR 4310/J E ENGR 4410	Control Systems I	3
J M ENGR 4990	Mechanical Engineering Senior Seminar	1
Mechanical Engineering Electives		12
Total Hours		61

Sign-offs from other departments affected by this proposal

None

Rationale JME 4041 is replaced with the new JME 4990, a course with broader scope.