

MASTER OF SCIENCE/PHD IN MECHANICAL ENGINEERING COURSE REQUIREMENTS

MS and PhD

Take 30 course credits for MS + 6 credits Research and Thesis

Take 33 course credits for PhD + 9 credits Dissertation

Required course list

Course No.	Course Name	Credits
OEHS 6370	Occupational Epidemiology	3
MEEN 6140	Occupational Safety and Health Solutions	3
MEEN 6100	Ergonomics	3
MEEN 6110	Introduction to Industrial Safety	3
MEEN 6975 (MS)	Research and Thesis	6
MEEN 7970 (PhD)	Dissertation	9

Elective Course List:

Students are **required** to take any 5 courses from the elective course list to fulfill emphasis requirements.

Course No.	Course Name	Credits
OEHS 6000	Occupational Biostatistics	3
OEHS 6750	Fundamentals of Industrial Hygiene	3
MEEN 6130	Design Implications for Human Machine Systems	3
MEEN 7100	Advanced Ergonomics and Occupational Biomechanics	3
MEEN 7120	Musculoskeletal Functional Anatomy for Engineers	3
MEEN 6981	Curricular Practical Training	3
MEEN 6535	Intro to Biomechanics	3
MEEN 7110	Systems Safety	3
MEEN 6150	Introduction to Product Safety	3
MEEN 6950	Independent Study	3
ME EN 6220	Introduction to Robotics	3
ME EN 6230	Robot Control	3
ME EN 7960	Wearable Robotics	3
ME EN 6240	Advanced Mechatronics	4

CS 6350	Machine Learning	3
CS 6300	Artificial Intelligence	3
ME EN 6035	Design of Experiments	3
ME EN 6892	Robotics seminar	2