
Mechanical Engineering OIPRT Ph.D. – Occupational Safety Engineering Emphasis (OSE)

Ph.D. in Mechanical Engineering**Prerequisites:**

M.S. Degree (Engineering) including the following (or equal). (May be taken as part of PhD program.)

Course No.	Course Name	Credits	Instructor
ME 6100	Ergonomics	3	Bloswick
ME 6110	Introduction to Industrial Safety	3	Bloswick
FPMD 6100	Biostatistics I	3	Alder
FPMD 6300	Epidemiology I	3	Lyon
OIP Program prerequisite credits		12	

Program Requirements:

Course No.	Course Name	Credits	Instructor
FPMD 6101	Introduction to SAS Programming	3	Staff
FPMD 6607	Injury Surveillance	2	Suruda
FPMD 6703	Occupational Injuries and Diseases	3	Hegmann
FPMD 7300	Epidemiology II	3	Staff
FPMD 7720	Occupational Epidemiology	3	Hegmann
ESS 6560	Experimental Design and Analysis	3	Schultz
ME 6040	Quality Assurance	3	Hoepfner
ME 7100	Advanced Ergonomics and Occupational Biomechanics	3	Bloswick
ME 7110	System Safety	3	Bloswick
ME 6130	Design Implications for Human Machine Systems	3	Sesek
ME 6960-3	Occupational Safety and Health Solutions	3	Sesek, Pahler, Wood
ME 6960-4	Work Physiology and Occupational Heat Stress	2	Bernard
ME 7960	Computer Applications & Research Methods	3	Drinkaus
ME 6960-6	Interdisciplinary Seminar in Occupational Injury Prevention	0	Bloswick
TOTAL COURSE CREDITS		37	

Research Practicum and Dissertation:

Course No.	Course Name	Credits	Instructor
ME 6960-7	Research Practicum in OIP	0	
ME 7970	Dissertation Hours	14	
Total degree required credits		51	