

INDUSTRIAL TECHNOLOGY MANAGEMENT MAJOR, B.S.

Coursework in the major includes core courses and a choice of two emphases: Manufacturing Technology Management Emphasis or Occupational Safety Management Emphasis.

Course	Title	Credits
General Requirements		
General Education (http://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/)		40-53
Required Courses		
INDUSTDY 1010	Principles of Safety and Risk Management	3
INDUSTDY 4980	Training and Supervision	3
INDUSTDY 4990	Industrial Studies Internship	3
Natural Science Requirements Specific to the Major ¹		
PHYSICS 1050	Principles of Physics (or other approved physics course) ²	5
CHEMISTRY 1050	Survey of General Chemistry (or other approved chemistry course) ²	5
Mathematics Requirement		
Select one of the following options:		6-9
Option 1 (math proficiency level of 40 required):		
MATH 2640	Calculus and Analytic Geometry I	
MATH 1830	Elementary Statistics	
Option 2 (math proficiency level of 30 required):		
MATH 2530	Trigonometry and Analytic Geometry	
MATH 1830	Elementary Statistics	
Option 3 (math proficiency level of 20 required):		
MATH 2450	Precalculus	
MATH 1830	Elementary Statistics	
Option 4 (math proficiency level of 15 required):		
MATH 1530	College Algebra	
MATH 1830	Elementary Statistics	
Option 5 (math proficiency level of 10 required):		
MATH 15	Intermediate Algebra	
MATH 1530	College Algebra	
MATH 1830	Elementary Statistics	
Emphasis		
Select one of the following emphases		51-64
Total Credits		116-145

¹ May also be used to fulfill general education requirements.

² Students choosing the building construction management or building construction safety management emphasis may select GEOGRPHY 1040 or GEOLOGY 1140 in lieu of either physics or chemistry.

MANUFACTURING TECHNOLOGY MANAGEMENT EMPHASIS

This emphasis consists of 60-66 credits comprised of coursework in the professional concentration, technical core and a 24-30 credit technical minor.

Course	Title	Credits
Required Professional Concentration Courses		
INDUSTDY 1030	Introduction to Manufacturing	3
INDUSTDY 3460	3D Industrial Production Drafting	3
or INDUSTDY 4480	Industrial Robotics	
INDUSTDY 4900	Work Measurement and Human Factors	3
INDUSTDY 4940	Quality Assurance	3
INDUSTDY 4950	Production Planning and Control	3
Required Technical Core Courses		

COMPUTER 1130	Introduction to Programming	3
or COMPUTER 1830	Microcomputer Applications	
INDUSTDY 1200	AC/DC Fundamentals	3
INDUSTDY 1230	Technical Drafting	3
INDUSTDY 1530	Power Systems Technology	3
INDUSTDY 1830	Introduction to Plastics Processing	3
INDUSTDY 3050	Introduction to Metals Processes	3
Electives		
INDUSTDY 4990	Industrial Studies Internship ¹	1-5
Select individual courses and/or a university minor in consultation with an advisor to complete the degree.		
Total Credits		34-38

¹ First 3 credits of internship are required. Only credits beyond 3 can count as elective credits

OCCUPATIONAL SAFETY MANAGEMENT EMPHASIS

Course	Title	Credits
Required Professional Concentration Courses		
INDUSTDY 1030	Introduction to Manufacturing	3
INDUSTDY 1230	Technical Drafting	3
or INDUSTDY 1260	Building Construction Drafting	
Required Safety Concentration Courses		
INDUSTDY 3130	General Industry OSHA 30 Hour	3
INDUSTDY 3180	Construction Safety Management	3
INDUSTDY 3590	Industrial Hygiene and PPE	3
INDUSTDY 4710	Hazard Control Solutions	3
INDUSTDY 4750	Disaster Preparedness	3
INDUSTDY 4760	Technical Certifications	3
INDUSTDY 4770	Loss Control Safety Management	3
INDUSTDY 4880	Fire Protection and Environmental Safety	3
Technology Lab Classes		
Select 12 credits of the following:		12
INDUSTDY 1130	Wood Technology	
INDUSTDY 1200	AC/DC Fundamentals	
INDUSTDY 1530	Power Systems Technology	
INDUSTDY 1830	Introduction to Plastics Processing	
INDUSTDY 3050	Introduction to Metals Processes	
INDUSTDY 4480	Industrial Robotics	
Technical Electives		
Select 3 credits of the following:		3
BUSADMIN 2330	Leadership and Management	
BUSADMIN 3030	Human Resource Management	
INDUSTDY 3570	Fleet Safety Management	
INDUSTDY 4720	Seminar in Safety	
INDUSTDY 4900	Work Measurement and Human Factors	
INDUSTDY 4940	Quality Assurance	
INDUSTDY 4950	Production Planning and Control	
INDUSTDY 4990	Industrial Studies Internship ¹	
Select individual courses and/or a university minor in consultation with an advisor to complete the degree		
Total Credits		45

¹ First 3 credits of internship are required. Only credits beyond 3 can count as elective credits