

**Undergraduate Curriculum in Industrial Technology  
Occupational Safety Option (Even Year Program Entry)**

2015-2016 Catalog

Total Credits 120

**First Year (even) - 31 cr.**

<b>Fall Semester 1 (16 cr.)</b>			<b>Spring Semester 2 (15 cr.)</b>		
1	TSM 110	Introduction to Technology (F)	1	TSM 111	Experiencing Technology (S)
3	TSM 116	Design in Technology (FS)	3	TSM 115	Solving Technology Problems (FS)
3	ENGL 150	Crit. Think. and Comm.(FSSS)	3	MATH 151	Calculus for Business and Social Sciences (FSSS)
1	LIB 160	Library Instruction (FSSS)	5	PHYS 111	General Physics and Lab (FSSS)
3	MATH 145	Applied Trigonometry (FS)	3	ECON 101	Principles of Microeconomics (FSSS)
4	CHEM 163	College Chemistry			
1	CHEM 163L	Lab in College Chemistry			

**Second Year (odd) - 29 cr.**

<b>Fall Semester 3 (15 cr.)</b>			<b>Spring Semester 4 (14 cr.)</b>		
1	TSM 201	Preparing for Workplace Seminar (FS)	3	TSM 240	Intro to Manufacturing Processes (FS)
3	TSM 210	Fundamentals of Technology (FS)	2	TSM 371	Occupational Safety Management (S)
3	TSM 270	Principles of Injury Prevention (F)	3	STAT 104	Introduction to Statistics (FSSS)
2	HS 105	First Aid Emergency Care (FS)	3	BIOL 155	Human Biology
3	ENGL 250	Writ/Oral/Vis/Electr Composition (FSSS)	3		Speech Communication - See list (FSSS)
3	BIOL 101 or 211	Life Science Biology Requirement (FSSS)			

**Third Year (even) - 31 cr.**

<b>Fall Semester 5 (16 cr.)</b>			<b>Spring Semester 6 (15 cr.)</b>		
4	TSM 363	Electric Power and Electronics (FS)	3	TSM 310	Total Quality Improvement (S)
3	TSM 376	Fire Protection and Prevention (even-F)	3	TSM 370	Occupational Safety (S) [Ethics requirement]
3	TSM 477	Risk Analysis and Management (even F)	3	ACCT 284	Financial Accounting (FSSS)
3	PSYCH 250	Psychology of the Workplace	3		International Perspectives – See list (FSSS)
3		English - See list (FSSS)	3		Electives (FSSS)

<b>Summer - R</b>	<b>TSM 397</b>	<b>Internship in Technology (FSSS)</b>
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**Fourth Year (odd) - 29 cr.**

<b>Fall Semester 7 (15 cr.)</b>			<b>Spring Semester 8 (14 cr.)</b>		
2	TSM 372	Legal Aspects of Occupational Safety and Health (odd-F)	5	TSM 416	Technology Capstone II (FS)
2	TSM 399	Work Experience in Technology (FSSS)	3		US Diversity - See list (FSSS)
1	TSM 415	Technology Capstone I (FS)	3		Humanities - See list (FSSS)
3	TSM 470	Industrial Hygiene: Physical, Chemical, and Biological Hazards (odd F)	3		Elective (FSSS)
1	TSM 471	Safety Laboratory (odd F)			
6		Elective (FSSS)			

**See list – Speak with an academic adviser for options for each list.**