

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

2013-2014 Catalog

Total Credits 120

First Year {Odd} (32 cr.)

Fall Semester 1 (16 cr.)			Spring Semester 2 (16 cr.)		
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)	4	MATH 160	Survey of Calculus (FSSS)
1	LIB 160	Library Instruction (FSSS)	5	PHYS 111	General Physics and Lab (FSSS)
3	MATH 142	Trigonometry and Geometry (FSSS)	3	BIOL 101	Life Science Biology Requirement (FSSS)
				or	
4	CHEM 163	College Chemistry		211	
1	CHEM 163L	Lab in College Chemistry			

Second Year {Even} (29 cr.)

Fall Semester 3 (15 cr.)			Spring Semester 4 (14 cr.)		
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	ECON 101	Principles of Microeconomics (FSSS)	3		Speech Communication - See list (FSSS)
3	ENGL 250	Writ/Oral/Vis/Elec Composition (FSSS)			

Third Year {odd} (30 cr.)

Fall Semester 5 (14 cr.)			Spring Semester 6 (16 cr.)		
2	TSM 372	Legal Aspects of Occupational Safety and Health (odd-F)	3	TSM 310	Total Quality Improvement (S)
3	ACCT 284	Financial Accounting (FSSS)	4	TSM 363	Electric Power and Electronics for Agriculture and Industry (S)
3	PSYCH 250	Psychology of the Workplace	3	TSM 370	Occupational Safety (S) [Ethics requirement]
3	ENGL	English - See list (FSSS)	3		International Perspective - See list (FSSS)
3		US Diversity - See list (FSSS)	3		Humanities - See list (FSSS)

Summer - R	TSM 397	Internship in Technology (FSSS)
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Fourth Year {even} (29 cr.)

Fall Semester 7 (15 cr.)			Spring Semester 8 (14 cr.)		
3	TSM 376	Fire Protection & Prevention (even-F)	5	TSM 416	Technology Capstone II (FS)
2	TSM 399	Work Experience in Technology (FSSS)	3	TSM 470	Industrial Hygiene: Physical, Chemical, and Biological Hazards (even S)
1	TSM 415	Technology Capstone I (FS)	1	TSM 471	Safety Laboratory (even S)
3	TSM 477	Risk Analysis and Management (even F)	5		Elective (FSSS)
6		Elective (FSSS)			

See list - Speak with an academic advisor for options for each list.

Courses offered every three semesters:

TSM 372 – odd years, Fall only

TSM 376 – even years, Fall only

TSM 470 – even years, Spring only

TSM 471 – even years, Spring only

TSM 477 – even years, Fall only