

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

2014-2015 Catalog

Total Credits 120

First Year (odd) - 31 cr.

| Fall Semester 1 (16 cr.) | | | Spring Semester 2 (15 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) | 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 145X | Applied Trigonometry (FS) | 3 | ECON 101 | Principles of Microeconomics (FSSS) |
| 4 | CHEM 163 | College Chemistry | | | |
| 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 | 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 (odd) - 31 cr.

| Fall Semester 5 (16 cr.) | | | Spring Semester 6 (15 cr.) | | |
|---------------------------------|-----------|--|-----------------------------------|----------|--|
| 4 | TSM 363 | Electric Power and Electronics (F) | 3 | TSM 310 | Total Quality Improvement (S) |
| 2 | TSM 372 | Legal Aspects of Occupational Safety and Health (odd F) | 3 | TSM 370 | Occupational Safety (S) [Ethics Requirement] |
| 3 | TSM 470 | Industrial Hygiene: Physical, Chemical, and Biological Hazards (odd F) | 3 | ACCT 284 | Financial Accounting (FSSS) |
| 1 | TSM 471 | Safety Laboratory (odd F) | 3 | | International Perspectives – See list (FSSS) |
| 3 | PSYCH 250 | Psychology of the Workplace | 3 | | Electives (FSSS) |
| 3 | | English - See list (FSSS) | | | |

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| 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.) | | |
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| 3 | TSM 376 | Fire Protection and Prevention (even-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 477 | Risk Analysis and Management (even-F) | 3 | | Elective (FSSS) |
| 6 | | Elective (FSSS) | | | |

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