

# Undergraduate Curriculum in Industrial Technology Occupational Safety Option

2020-2021 Catalog

Total Credits 120

## First Year (31 cr.)

Fall Semester 1 (16 cr.)			Spring Semester 2 (15 cr.)		
1	TSM 110	Introduction to Technology (F)	1	TSM 111	Experiencing Technology (FS)
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 131	General Physics and Lab (FSSS)
3	MATH 145	Applied Trigonometry (FS)	3	ECON 101	Principles of Microeconomics (FSSS)
4	CHEM 163	College Chemistry (FS)			
1	CHEM 163L	Lab in College Chemistry (FS)			

## Second Year (30 cr.)

Fall Semester 3 (14 cr.)			Spring Semester 4 (16 cr.)		
1	TSM 201	Preparing for Workplace Seminar (FS)	3	TSM 240	Intro to Manufacturing Processes (FS)
1	TSM 214	Managing Technology Projects (FS)	2	TSM 371	Occupational Safety Management (S)
3	TSM 210	Fundamentals of Technology (FS)	2	HS 105	First Aid Emergency Care (FS)
3	TSM 270	Principles of Injury Prevention (FS)	3	STAT 104	Introduction to Statistics (FSSS)
3*	ENGL 250	Writ/Oral/Vis/Electr Composition (FSSS)	3	PSYCH 250	Psychology of the Workplace (S)
3	BIOL 101	Life Science Biology Requirement (FSSS)	3*		Speech Communication - See list (FSSS)
<i>*Must earn a C or better</i>					

## Third Year (31 cr.)

Fall Semester 5 (15 cr.)			Spring Semester 6 (16 cr.)		
4	TSM 363	Electric Power and Electronics (FS)	3	TSM 310	Total Quality Improvement (FS)
2	TSM 372	Legal Aspects of Occupational Safety and Health (F)	3	TSM 370	Occupational Safety (FS) [Ethics requirement]
3	TSM 376	Fire Protection and Prevention (F)	3	TSM 470	Industrial Hygiene: Physical, Chemical, and Biological Hazards (S)
3		Advanced English - See list (FSSS)	1	TSM 471	Safety Laboratory (S)
3	BIOL 255	Fundamentals of Human Anatomy (F)	3	ACCT 284	Financial Accounting (FSSS)
			3		International Perspectives – See list (FSSS)

**Summer – R      TSM 397**

**Internship in Technology (FSSS)**

*(Must submit paperwork to be enrolled)*

## Fourth Year (28 cr.)

Fall Semester 7 (14 cr.)			Spring Semester 8 (14 cr.)		
2	TSM 399	Work Experience in Technology (FSSS)	3	TSM 416	Technology Capstone (FS)
2	TSM 415	Applied Project Management in Technology (FS)	3		US Diversity - See list (FSSS)
3	TSM 477	Risk Analysis and Management (F)	3		Humanities - See list (FSSS)
7		Elective (FSSS)	5		Electives (FSSS)

**“See list” – Refer to your Degree Audit (available in AccessPlus) for options for each list.**

**NOTE: This is an example four-year plan. Your actual semester schedules may vary.**