

Undergraduate Curriculum in Industrial Technology

Manufacturing Option

2012-2013 Catalog

Total Credits 129

First Year (31 cr.)

Semester 1 (16 cr.)			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)	4	MATH 160	Survey of Calculus (FSSS)
1	Lib 160	Library Instruction (FSSS)	4	PHYS 111	General Physics and Lab (FSSS)
3	MATH 142	Trigonometry and Geometry (FSSS)	3	Econ 101	Principles of Microeconomics (FSSS)
4	CHEM 163	College Chemistry			
1	CHEM 163L	Lab in College Chemistry			

Second Year (35 cr.)

Semester 3 (17 cr.)			Semester 4 (18 cr.)		
1	TSM 201	Preparing for Workplace Seminar (FS)	3		Speech Communication - See list (FSSS)
3	TSM 210	Fundamentals of Technology (FS)	3	ENGL 250	Writ/Oral/Vis/Elec Composition (FSSS)
3	TSM 240	Intro to Manufacturing Processes (FS)	3	STAT 104	Introduction to Statistics (FSSS)
3	TSM 270	Principles of Injury Prevention (F)	3	TSM 216	Adv Tech Graph, Interpret, & CAD (FS)
4	PHYS 112	General Physics (FSSS)	3		International Perspective - See list (FSSS)
3		Elective	3	Biol 101 or 211	Life Science Biology Requirement (FSSS)

Third Year (31 cr.)

Semester 5 (16 cr.)			Semester 6 (15 cr.)		
3		Life Science - See list (FSSS)	3	TSM 310	Total Quality Improvement (S)
3		US Diversity - See list (FSSS)	3	TSM 370	Occupational Safety (S) [Double counts as Ethics requirement]
3	TSM 340	Adv Automated Mfg Processes (FS)	3		Humanities - See list (FSSS)
4	TSM 363	Electric Power and Electronics for Agriculture and Industry (S)	3	TSM 337	Fluid Power Systems Technology (S)
3	ACCT 284	Financial Accounting (FSSS)	3		English - See list (FSSS)

Summer - R

TSM 397

Internship in Technology (FSSS)

Fourth Year (32 cr.)

Semester 7 (17 cr.)			Semester 8 (15 cr.)		
3		Elective	3	TSM 443	Statics and Strength of Materials for Technology (S)
3		Technical Elective - See list (FSSS)	3	TSM 416	Technology Capstone II (FS)
3	TSM 415	Technology Capstone I (FS)	3	TSM 440	Cellular Lean Manufacturing Systems (FS)
2	TSM 399	Work Experience in Technology (FSSS)	3	TSM 465	Automation Systems (S)
3	TSM 444	Facility Planning (F)	3		Technical Elective - See list (FSSS)
3		Business Core - See list (FSSS)			

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