

Undergraduate Curriculum in Agricultural Systems Technology

Machine Systems Option

2013-2014 Catalog

Total Credits 120

First Year (32 cr.)

Fall Semester 1 (16 cr.)

1	TSM 110	Introduction to Technology (F)
3	TSM 116	Design in Technology (FS)
3	ENGL 150	Crit. Think. and Comm.(FSSS)
1	LIB 160	Library Instruction (FSSS)
3	MATH 142	Trigonometry and Geometry (FSSS)
4	CHEM 163	College Chemistry
1	CHEM 163L	Lab in College Chemistry

Spring Semester 2 (16 cr.)

1	TSM 111	Experiencing Technology (S)
3	TSM 115	Solving Technology Problems (FS)
4	MATH 160	Survey of Calculus (FSSS)
5	PHYS 111	General Physics and Lab (FSSS)
3		US Diversity - See list (FSSS)

Second Year (31 cr.)

Fall Semester 3 (16 cr.)

1	TSM 201	Preparing for Workplace Seminar (FS)
3	TSM 210	Fundamentals of Technology (FS)
3	TSM 270	Principles of Injury Prevention (F)
3	ENGL 250	Writ/Oral/Vis/Elec Composition (FSSS)
3	ACCT 284	Financial Accounting (FSSS)
3	ECON 101	Principles of Microeconomics (FSSS)

Spring Semester 4 (15 cr.)

3	TSM 216	Adv. Graphics, Interpretation, CAD (FS)
3	TSM 240	Intro to Manufacturing Processes (FS)
3	STAT 104	Introduction to Statistics (FSSS)
3		Speech Communication - See list (FSSS)
3	BIOL 101 or 211	Life Science Biology - See list (FSSS)

Third Year (29 cr.)

Fall Semester 5 (16 cr.)

3	TSM 333	Precision Farming Systems(F)
4	TSM 335	Tractor Power (F)
3		Humanities - See list (FSSS)
3		English - See list (FSSS)
3		Life Science - See list (FSSS)

Spring Semester 6 (13 cr.)

3	TSM 310	Total Quality Improvement (S)
3	TSM 330	Ag Machinery and Power Mgmt (S)
3	TSM 337	Fluid Power Systems Technology (S)
4	TSM 363	Electric Power and Electronics (S)

Summer - R TSM 397

Internship in Technology (FSSS)

Fourth Year (28 cr.)

Fall Semester 7 (14 cr.)

2	TSM 399	Work Experience in Technology (FSSS)
1	TSM 415	Technology Capstone I (FS)
8		Elective (FSSS)
3		International Perspective (FSSS)

Spring Semester 8 (14 cr.)

3	TSM 370	Occupational Safety (S) [Ethics requirement]
5	TSM 416	Technology Capstone II (FS)
3	TSM 443	Statics and Strengths of Materials for Technology (S)
3	TSM 465	Automation Systems (S)

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