

**Undergraduate Curriculum in Agricultural Systems Technology
Machine Systems Option**

2022-2023-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 & Social Sciences (FSSS)
1	LIB 160	Library Instruction (FSSS)	4	PHYS 131	General Physics I (FSSS)
3	MATH 145	Applied Trigonometry (FS)	1	PHYS 131L	General Physics Lab
4	CHEM 163	College Chemistry (FSSS)	3		US Diversity - See list (FSSS)
1	CHEM 163L	Lab in College Chemistry			

Second Year (29 cr.)

Fall Semester 3 (14 cr.)			Spring Semester 4 (15 cr.)		
1	TSM 201	Preparing for Workplace Seminar (FS)	2	TSM 216	Adv. Graphics, Interpretation, CAD (FS)
3	TSM 210	Fundamentals of Technology (FS)	3	TSM 240	Intro to Advanced Manufacturing and Metals Processing (FS)
1	TSM 214	Managing Technology Projects (FS)	1	ABE 271; ABE 272; ABE 273;	SolidWorks (choose one) (FS) CREO (choose one) (FS) 2D AutoCAD (choose one) (S)
3	TSM 270	Principles of Injury Prevention (FS)	3	STAT 104	Introduction to Statistics (FSSS)
3	ENGL 250	Writ/Oral/Vis/Elec Composition (FSSS)	3	BIOL 101 or 211	Life Science Biology - See list (FSSS)
3	ACCT 284	Financial Accounting (FSSS)	3	ECON 101	Principles of Microeconomics (FSSS)

Third Year (29 cr.)

Fall Semester 5 (14 cr.)			Spring Semester 6 (15 cr.)		
4	TSM 335	Tractor Power (F)	3	TSM 310	Total Quality Improvement (FS)
4	TSM 363	Electrical Power and Control Systems for Agriculture and Industry (FS)	3	TSM 330	Ag Machinery and Power Mgmt (S)
3	TSM 433	Precision Agriculture (F)	3	TSM 337	Fluid Power Systems Technology (FS)
3		English 302, 309, 314, or AGEDS 327 (FSSS)	3		Humanities - See list (FSSS)
			3		Life Science - See list (FSSS)

Summer - R	TSM 397	Internship in Technology (FSSS)
-------------------	----------------	--

Fourth Year (31 cr.)

Fall Semester 7 (16 cr.)			Spring Semester 8 (15 cr.)		
2	TSM 399	Work Experience in Technology (FSSS)	3	TSM 370	Occupational Safety (FS) [Ethics requirement]
2	TSM 415	Applied Project Management in Technology (FS)	3	TSM 416	Technology Capstone (FS)
3		SPCM 212, COMST 214, or AGEDS 311	3	TSM 443	Statics and Strengths of Materials for Technology (FS)
3		International Perspective (FSSS)	3	TSM 465	Automation Systems (FS)
6		Electives (FSSS)	3		Elective

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

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