

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

2023-2024-Catalog – Total Credits 120

First Year (31 cr.)

Fall Semester 1 (16 cr.)		Spring Semester 1 (15 cr.)	
1	TSM 110 – Introduction to Technology (F)	1	TSM 111 – Experiencing Technology (FS)
3	TSM 116 – Intro to Design in Technology (FS)	3	TSM 115 – Solving Tech Problems (FS)
3	ENGL 150 – Critical Thinking & Comm (FSSS)	3	MATH 151 – Calculus for Business & Social Sci (FSSS)
1	LIB 160 – Intro to College Level Research (FSSS)	4	PHYS 131 – General Physics I (FSSS)
3	MATH 145 – Applied Trigonometry (FS)	1	PHYS 131L – General Physics Lab (FSSS)
4	CHEM 163 – College Chemistry (FSSS)	3	US Diversity – See List (FSSS)
1	CHEM 163L – Lab in College Chemistry (FSSS)		

Second Year (29 cr.)

Fall Semester 3 (14 cr.)		Spring Semester 4 (15 cr.)	
1	TSM 201 – Preparation for Workplace Seminar (FS)	2	TSM 216 – Adv. Graphics, Interpretation, CAD (FS)
3	TSM 210 – Fundamentals of Technology (FS)	3	TSM 240 – Intro Adv. Manufacturing & Metals (FS)
1	TSM 214 – Managing Technology Projects (FS)	1	Choose one: ABE 271 – SolidWorks (FS); ABE 272 – CREO(FS); ABE 273 – 2D AutoCAD (S)
3	TSM 270 – Principles of Injury Prevention (FS)	3	STAT 104 – Intro to Stats (FSSS)
3	ENGL 250 – Writing/Oral/Visual/Elec Comp (FSSS)	3	Life Science Biology – Choose one: BIOL 101 – Intro Biology (FSSS); BIOL 211 – Prin. of Biology I (FS); BIOL 212 – Prin. of Biology II (FS); BIOL 251 – Biological Proc. in the Env. (S)
3	ACCT 284 – Financial Accounting (FSSS)	3	ECON 101 – Principles of Microeconomics (FSSS)

Summer Semester: TSM 397 – Internship in Technology (FSSS) – submit paperwork to enroll. Soph GPA 2.5 / JR,SR GPA 2.0

Third Year (29 cr.)

Fall Semester 5 (14 cr.)		Spring Semester (15 cr.)	
4	TSM 335 – Tractor Power (F)	3	TSM 310 – Total Quality Improvement (FS)
4	TSM 363 – Elect. Pwr & Cntrl Systems Ag & Ind (FS)	3	TSM 330 – Ag Machinery & Power Management (S)
3	TSM 433 – Precision Agriculture (F)	3	TSM 337 – Fluid Power Systems Technology (FS)
3	English – Choose one: ENGL 302 – Business Communication (FSSS); ENGL 309 – Proposal & Report Writing (FS); ENGL 314 – Technical Communication (FSSS); AGEDS 327 – Survey Ag & Life Sciences Comm (FS)	3	Humanities – See List (FSSS)
		3	Life Science – See List (FSSS)

Fourth Year (31 cr.)

Fall Semester 7 (13 cr.)		Spring Semester 8 (15 cr.)	
2	Elective (FSSS)	3	International Perspective – See List (FSSS)
2	TSM 415 – Applied Project Mgmt. in Tech (FS)	3	TSM 370 – Occupational Safety (FS)
3	TSM 443 – Statics & Strengths of Mat. for Tech (FS)	3	TSM 416 – Technology Capstone (FS)
6	Electives (FSSS)	3	TSM 465 – Automation Systems (FS)
3	Choose one: SPCM 212 – Fundam. of Public Speaking (FSSS); COMST 214 – Professional Communications (FS); AGEDS 311 – Pres. & Sales Strat. Ag Audiences (FS)	3	Elective (FSSS)

“See list” – Refer to your Degree Audit (available in Access+) for options. NOTE: This is an example four-year plan. Your actual semester schedules may vary. Updated 9/15/2023

