

Undergraduate Curriculum in Agricultural Systems Technology

Machine Systems Option

2019-2020 – Total Credits 120

First Year (31 cr.)

Semester 1 (16 cr.)		Semester 2 (15 cr.)	
1	TSM 110	1	TSM 111
	Introduction to Technology (F)		Experiencing Technology (FS)
3	TSM 116	3	TSM 115
	Design in Technology (FS)		Solving Technology Problems (FS)
3	ENGL 150	3	MATH 151
	Crit. Think. and Comm.(FSSS)		Calculus for Business and Social Sciences (FSSS)
1	LIB 160	5	PHYS 111
	Library Instruction (FSSS)		General Physics and Lab (FSSS)
3	MATH 145	3	
	Applied Trigonometry (FS)		US Diversity - See list (FSSS)
4	CHEM 163		
	College Chemistry		
1	CHEM 163L		
	Lab in College Chemistry		

Second Year (29 cr.)

Semester 3 (14 cr.)		Semester 4 (15 cr.)	
1	TSM 201	2	TSM 216
	Preparing for Workplace Seminar (FS)		Adv. Graphics, Interpretation, CAD (FS)
3	TSM 210	1	ABE 271;
	Fundamentals of Technology (FS)		ABE 272;
			ABE 273;
1	TSM 214	3	TSM 240
	Managing Technology Projects (FS)		Intro to Manufacturing Processes (FS)
3	TSM 270	3	STAT 104
	Principles of Injury Prevention (FS)		Introduction to Statistics (FSSS)
3	ENGL 250	3	ECON 101
	Writ/Oral/Vis/Elec Composition (FSSS)		Principles of Microeconomics (FSSS)
3	BIOL 101;	3	ACCT 284
	Life Science Biology Requirement (FSSS)		Financial Accounting (FSSS)
	211; 212;		
	or 251		

Third Year (29 cr.)

Semester 5 (14 cr.)		Semester 6 (15 cr.)	
3	TSM 433	3	TSM 310
	Precision Farming Systems(F)		Total Quality Improvement (FS)
4	TSM 335	3	TSM 330
	Tractor Power (F)		Ag Machinery and Power Mgmt (S)
4	TSM 363	3	TSM 337
	Electric Power and Electronics (FS)		Fluid Power Systems Technology (FS)
3		3	
	English - See list (FSSS)		Humanities - See list (FSSS)
		3	
			Life Science - See list (FSSS)

Summer - R TSM 397

Internship in Technology (FSSS)

Fourth Year (31 cr.)

Semester 7 (16 cr.)		Semester 8 (15 cr.)	
2	TSM 399	3	TSM 370
	Work Experience in Technology (FSSS)		Occupational Safety (S)
2	TSM 415	3	TSM 416
	Applied Project Management (FS)		Technology Capstone (FS)
6		3	TSM 443
	Elective (FSSS)		Statics and Strengths of Materials (FS)
3		3	TSM 465
	International Perspective (FSSS)		Automation Systems (S)
3		3	
	Speech Communication - See list (FSSS)		Elective (FSSS)

“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.