

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 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 and Social Sciences (FSSS)
1	LIB 160 Library Instruction (FSSS)	5	PHYS 131 General Physics and Lab (FSSS)
3	MATH 145 Applied Trigonometry (FS)	3	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 Preparing for Workplace Seminar (FS)	2	TSM 216 Adv. Graphics, Interpretation, CAD (FS)
3	TSM 210 Fundamentals of Technology (FS)	1	ABE 271; SolidWorks (choose one) (FS)
			ABE 272; Pro/ENGINEER (choose one) (FS)
			ABE 273; 2D AutoCAD (choose one) (FS)
1	TSM 214 Managing Technology Projects (FS)	3	TSM 240 Intro to Manufacturing Processes (FS)
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	ECON 101 Principles of Microeconomics (FSSS)
3	BIOL 101; Life Science Biology Requirement (FSSS)	3	ACCT 284 Financial Accounting (FSSS)
	211; 212; or 251		

Third Year (29 cr.)

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

Summer - R	TSM 397	Internship in Technology (FSSS)
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Fourth Year (31 cr.)

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