

Undergraduate Curriculum in Agricultural Systems Technology

Agricultural and Biosystems Management 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	Introduction to 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	Intro to College Level Research (FSSS)	4	PHYS 131	General Physics I (FSSS)
			1	PHYS 131L	General Physics I Lab (FSSS)
3	MATH 145	Applied Trigonometry (FS)	3	ECON 101	Principles of Microeconomics (FSSS)
4	CHEM 163	College Chemistry			
1	CHEM 163L	Lab in College Chemistry			

Second Year (30 cr.)

Fall Semester 3 (14 cr.)			Spring Semester 4 (16 cr.)		
1	TSM 201	Preparing for Workplace Seminar (FS)	3	TSM 322	Preservation of Grain Quality (S)
3	TSM 210	Fundamentals of Technology (FS)	1	TSM 322L	Preservation of Grain Quality Lab (S)
1	TSM 214	Managing Technology Projects (FS)	3	STAT 104	Introduction to Statistics (FSSS)
3	TSM 270	Principles of Injury Prevention (FS)	3	ECON 230	Farm Business Management
3	ENGL 250	Writ/Oral/Vis/Elec Composition (FSSS)	3	BIOL 101 or 211	Life Science Biology Requirement (FSSS)
3	ACCT 284	Financial Accounting (FSSS)	3		SPCM 212, COMST 214, or AGEDS 311

Third Year (31 cr.)

Fall Semester 5 (16 cr.)			Spring Semester 6 (15 cr.)		
3	TSM 325	Biorenewable Systems (F)	3	TSM 310	Total Quality Improvement (FS)
3	TSM 327	Animal Production Systems (F)	3	TSM 324	Soil and Water Conservation Mgmt (S)
4	TSM 363	Electrical Power and Control Systems for Agriculture and Industry (FS)	3	TSM 370	Occupational Safety (FS) [Ethics requirement]
3		English 302, 309, 314, or AGEDS 327	3		Life Science - See list (FSSS)
3		US Diversity - See list (FSSS)	3		Elective

Summer - R

TSM 397

Internship in Technology (FSSS)

Fourth Year (28 cr.)

Fall Semester 7 (16 cr.)			Spring Semester 8 (12 cr.)		
2	TSM 399	Work Experience in Technology (FSSS)	3	TSM 330	Ag Machinery and Power Mgmt (S)
2	TSM 415	Applied Project Management in Technology (FS)	3	TSM 416	Technology Capstone (FS)
3	TSM 433	Precision Farming Systems (F)	3		International Perspective - See list (FSSS)
3	TSM 455	Feed Processing & Technology (F)	3		Elective (FSSS)
3		Humanities - See list (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.

Updated 8/24/2022