

**Undergraduate Curriculum in Agricultural Systems Technology
Agricultural and Biosystems Management 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 | ECON 101 – Principles of Microeconomics (FSSS) |
| 1 | CHEM 163L – Lab in College Chemistry (FSSS) | | |

Second Year (30 cr.)

| Fall Semester 3 (14 cr.) | | Spring Semester 4 (16 cr.) | |
|--------------------------|--|----------------------------|--|
| 1 | TSM 201 – Preparation 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 (FS) |
| 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 | Choose one: SPCM 212 – Fundam. of Public Speaking (FSSS); COMST 214 – Professional Communications (FS); AGEDS 311 – Pres. & Sales Strat. Ag Audiences (FS) |

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

Third Year (31 cr.)

| Fall Semester 5 (16 cr.) | | Spring Semester (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 & Water Conservation Mgmt (S) |
| 4 | TSM 363 – Elec Pwr & Cntrl Sys for Ag & Ind (FS) | 3 | TSM 370 – Occupational Safety (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 | Life Science – See List (FSSS) |
| 3 | US Diversity – See List (FSSS) | 3 | Elective (FSSS) |

Fourth Year (28 cr.)

| Fall Semester 7 (16 cr.) | | Spring Semester 8 (12 cr.) | |
|--------------------------|--|----------------------------|---|
| 2 | Elective | 3 | International Perspective – See List (FSSS) |
| 2 | TSM 415 – Applied Project Mgmt. in Tech (FS) | 3 | TSM 330 – Ag Machinery & Power Mgmt (S) |
| 3 | TSM 433 – Precision Farming Systems (F) | 3 | TSM 416 – Technology Capstone (FS) |
| 3 | TSM 455 – Feed Processing & Technology (F) | 3 | Elective (FSSS) |
| 3 | Humanities – 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. Updated 2/27/2023

