

This program will introduce students to the various disciplines within the field of agricultural mechanics. The program will train students within the Agriculture CTE area. Specifically, students will work within the Agriculture, Food, and Natural Resources Career Cluster in jobs such as service technicians; equipment operators; precision agriculture specialists; and customer-facing roles such as sales, parts, and service representatives.

Work and Employment

Students will be prepared for jobs such as soil conservationist, agricultural engineer, custom applicator, equipment operator, health and safety specialist, general laborer, energy service technician, service technician, maintenance worker, precision agriculture specialist, and various equipment dealership roles.

Program Contacts at Sauk Valley Community College

- Academic Advising, 815-835-6354
- Kevin M. Larsen, Assistant Professor of Agriculture, 815-835-6279
- Jeff Johnson, Multicraft Instructor, 815-835-6572
- Scott Gillihan, Welding Instructor, 815-835-6278
- Dr. Michael R. Selover, Professor, Agriculture/Developmental Mathematics, 815-835-6410

Total Hours Required - 60 Hours

Major Field Requirements - 33 Hours

- AGR 109 - Soil Science (4 Semester Hours)
- AGR 116 - Introduction to Animal Science (4 Semester Hours)

OR

- AGR 201 - Crop Science (4 Semester Hours)
- AGR 130 - Intro to Agr Mechanics (4 Semester Hours)
- AGR 150 - Intro to AG Bus Management (4 Semester Hours)
- ELT 120 - Fund of Elec w/ Applied Math (3 Semester Hours)
- ELT 259 - Industrial & Agric Wiring (3 Semester Hours)
- ELT 262 - Electrical Controls (3 Semester Hours)
- IND 218 - Fluid Power (3 Semester Hours)
- WLD 102 - Shielded Metal Arc Welding (3 Semester Hours)

OR

- WLD 103 - MIG Welding (3 Semester Hours)
- WLD 106 - Welding Fundamentals (2 Semester Hours)

General Education Requirements - 16 Hours

- Humanities/Fine Arts OR Social/Behavioral Science 3 Semester hour(s)
- BIO 103 - Introductory Biology (4 Semester Hours)

OR

CHE 103 - Introduction to Chemistry (4 Semester Hours)

OR

- PHY 175 - Introduction to Physics (4 Semester Hours)
- COM 131 - Intro to Oral Communication (3 Semester Hours)
- ENG 101 - Composition I (3 Semester Hours)
- MAT 106 - Applied Mathematics (3 Semester Hours)

Internship Requirements - 1 Hour

- IND 250 - Industrial Internship (1-3 Semester Hours)

SVCC Degree Requirement - 1 Hour

- FYE 101 - First Year Experience (1 Semester Hours)

Elective options - 9 Hours

- AGR 142 - Introduction to Horticulture (3 Semester Hours)
- AGR 155 - Intro to AG Marketing & Stds (3 Semester Hours)
- AGR 160 - Agricultural Salesmanship (3 Semester Hours)
- AGR 199 - Ag Issues & Perceptions (3 Semester Hours)
- AGR 234 - Precision Agr Technology (3 Semester Hours)
- AGR 299 - Topics/Issues in Agriculture (1-3 Semester Hours)
- GEO 110 - Intro to Geospatial Technology (3 Semester Hours)
- IND 118 - Mechanical Systems (3 Semester Hours)
- UAS 101 - Intro to Unmanned Aircraft Sys (3 Semester Hours)
- WLD 101 - Industrial MIG Welding (2 Semester Hours)
- WLD 102 - Shielded Metal Arc Welding (3 Semester Hours)
- WLD 103 - MIG Welding (3 Semester Hours)
- WLD 104 - TIG Welding (3 Semester Hours)
- WLD 140 - Robotic Welding (3 Semester Hours)

Suggested Program

First Semester - 13 Hours

- AGR 116 - Introduction to Animal Science (4 Semester Hours)

OR

- AGR 201 - Crop Science (4 Semester Hours)
- ELT 120 - Fund of Elec w/ Applied Math (3 Semester Hours)
- ENG 101 - Composition I (3 Semester Hours)
- FYE 101 - First Year Experience (1 Semester Hours)
- WLD 106 - Welding Fundamentals (2 Semester Hours)

Second Semester - 16 Hours

- Program Electives 3 Semester Hour(s)
- AGR 130 - Intro to Agr Mechanics (4 Semester Hours)
- COM 131 - Intro to Oral Communication (3 Semester Hours)
- ELT 259 - Industrial & Agric Wiring (3 Semester Hours)
- ELT 262 - Electrical Controls (3 Semester Hours)

Third Semester - 14 Hours

- Program Electives 3 Semester Hour(s)
- AGR 150 - Intro to AG Bus Management (4 Semester Hours)
- IND 218 - Fluid Power (3 Semester Hours)
- BIO 103 - Introductory Biology (4 Semester Hours)

OR

CHE 103 - Introduction to Chemistry (4 Semester Hours)

OR

PHY 175 - Introduction to Physics (4 Semester Hours)

Fourth Semester - 17 Hours

- Program Electives 3 Semester Hour(s)
- Humanities/Fine Arts OR Social/Behavioral Science 3 Semester Hour(s)
- AGR 109 - Soil Science (4 Semester Hours)
- IND 250 - Industrial Internship (1-3 Semester Hours)
- MAT 106 - Applied Mathematics (3 Semester Hours)
- WLD 102 - Shielded Metal Arc Welding (3 Semester Hours)

OR

WLD 103 - MIG Welding (3 Semester Hours)