

Academic Programs

Agricultural Mechanics - Associate in Applied Science (018)

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

Total Hours Required - 60 Hours

Major Field Requirements - 33 Hours

- AGR109 - Soil Science (4 Semester Hours)
- AGR116 - Introduction to Animal Science (4 Semester Hours)

OR

- AGR201 - Crop Science (4 Semester Hours)
- AGR130 - Intro to Agr Mechanics (4 Semester Hours)
- AGR150 - Intro to AG Bus Management (4 Semester Hours)
- ELT120 - Fund of Elec w/ Applied Math (3 Semester Hours)
- ELT259 - Industrial & Agric Wiring (3 Semester Hours)
- ELT262 - Electrical Controls (3 Semester Hours)
- IND218 - Fluid Power (3 Semester Hours)
- WLD102 - Shielded Metal Arc Welding (3 Semester Hours)

OR

- WLD103 - MIG Welding (3 Semester Hours)
- WLD106 - Welding Fundamentals (2 Semester Hours)

General Education Requirements - 16 Hours

- Humanities/Fine Arts OR Social/Behavioral Science 3 Semester hour(s)
- BIO103 - Introductory Biology (4 Semester Hours)

OR

CHE103 - Introduction to Chemistry (4 Semester Hours)

OR

- PHY175 - Introduction to Physics (4 Semester Hours)
- COM131 - Intro to Oral Communication (3 Semester Hours)
- ENG101 - Composition I (3 Semester Hours)
- MAT106 - Applied Mathematics (3 Semester Hours)

Internship Requirements - 1 Hour

- IND250 - Industrial Internship (1-3 Semester Hours)

SVCC Degree Requirement - 1 Hour

- FYE101 - First Year Experience (1 Semester Hours)

Elective options - 9 Hours

- AGR142 - Introduction to Horticulture (3 Semester Hours)
- AGR155 - Intro to AG Marketing & Stds (3 Semester Hours)
- AGR160 - Agricultural Salesmanship (3 Semester Hours)
- AGR199 - Ag Issues & Perceptions (3 Semester Hours)
- AGR234 - Precision Agr Technology (3 Semester Hours)
- AGR299 - Topics/Issues in Agriculture (1-3 Semester Hours)
- IND118 - Mechanical Systems (3 Semester Hours)
- UAS101 - Intro to Unmanned Aircraft Sys (3 Semester Hours)
- WLD101 - Industrial MIG Welding (2 Semester Hours)
- WLD102 - Shielded Metal Arc Welding (3 Semester Hours)
- WLD103 - MIG Welding (3 Semester Hours)
- WLD104 - TIG Welding (3 Semester Hours)
- WLD140 - Robotic Welding (3 Semester Hours)

Suggested Program

First Semester - 13 Hours

- AGR116 - Introduction to Animal Science (4 Semester Hours)
- OR**
- AGR201 - Crop Science (4 Semester Hours)
 - ELT120 - Fund of Elec w/ Applied Math (3 Semester Hours)
 - ENG101 - Composition I (3 Semester Hours)
 - FYE101 - First Year Experience (1 Semester Hours)
 - WLD106 - Welding Fundamentals (2 Semester Hours)

Second Semester - 16 Hours

- Program Electives 3 Semester Hour(s)
- AGR130 - Intro to Agr Mechanics (4 Semester Hours)
- COM131 - Intro to Oral Communication (3 Semester Hours)
- ELT259 - Industrial & Agric Wiring (3 Semester Hours)
- ELT262 - Electrical Controls (3 Semester Hours)

Third Semester - 14 Hours

- Program Electives 3 Semester Hour(s)
- AGR150 - Intro to AG Bus Management (4 Semester Hours)
- IND218 - Fluid Power (3 Semester Hours)
- BIO103 - Introductory Biology (4 Semester Hours)

OR

CHE103 - Introduction to Chemistry (4 Semester Hours)

OR

PHY175 - 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)
- AGR109 - Soil Science (4 Semester Hours)
- IND250 - Industrial Internship (1-3 Semester Hours)
- MAT106 - Applied Mathematics (3 Semester Hours)
- WLD102 - Shielded Metal Arc Welding (3 Semester Hours)

OR

WLD103 - MIG Welding (3 Semester Hours)