



2017-2018 PROGRAM REQUIREMENTS

Degree: Associate of Science

Major: Agricultural Science

About This Major . . .

The Agriculture Science curriculum is designed to provide students the fundamentals of agriculture and related business practices. With this degree, students will be well positioned to transfer into a bachelor degree program in agriculture. Graduates are qualified for employment in a variety of positions associated with sustainable agriculture, including horticultural and livestock operations, wholesale and retail management, nursery operations, and environmental and agricultural education.

All CMU associate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Apply business communication using listening, verbal and written, and electronic forms that are needed for entry level employment (communication fluency).
2. Apply Mathematical and applied physics concepts for industry to meet employment requirements (quantitative fluency).
3. Research, evaluate, synthesize and apply information/data relevant to business, sciences, and technical careers (specialized knowledge).
4. Demonstrate knowledge of terminology, symbols, business practices, and principles and application of associated technical skills (critical thinking).
5. Perform the necessary applied skill sets to fulfill the needs of entry level employment (applied learning).
6. Demonstrate ethical, civic, and work place responsibility as part of professional behavior (specialized knowledge).

Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps

INSTITUTIONAL DEGREE REQUIREMENTS

The following institutional degree requirements apply to all CMU/WCCC Associate of Science (AS) degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 60 semester hours total.
- Students must complete a minimum of 15 of the final 30 semester hours of credit at CMU/WCCC.
- 2.00 cumulative GPA or higher in all CMU/WCCC coursework.
- A grade of "C" or higher must be earned in all Essential Learning courses in order to be accepted for transfer under the Colorado Core Transfer Consortium General Education curriculum or gtPathways, Colorado's guaranteed transfer program.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 15 semester credit hours for an associate of science degree; A maximum of 6 of the 15 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

PROGRAM-SPECIFIC DEGREE REQUIREMENTS

Institutional degree requirements listed above are sufficient for this major.

ESSENTIAL LEARNING REQUIREMENTS (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

English (6 semester hours, must receive a grade of "C" or better and must be completed by the time the student has 60 semester hours.)

- ENGL 111 - English Composition (3)
- ENGL 112 - English Composition (3)

Mathematics (3 semester hours)

- MATH 110 – College Mathematics (3) or higher

Humanities (3 semester hours)

- Select one Humanities course (3)

Social and Behavioral Sciences (6 semester hours)

- Select one Social and Behavioral Sciences course (3)
- Select one Social and Behavioral Sciences course (3)

Natural Sciences (7 semester hours, one course must include a lab)

- Select one Natural Sciences course (3)
- Select one Natural Sciences course with a lab (4)

History (3 semester hours)

- Select one History course (3)

Fine Arts (3 semester hours)

- Select one Fine Arts course (3)

OTHER LOWER-DIVISION REQUIREMENTS

Wellness Requirement (2 semester hours)

- KINE 100 - Health and Wellness (1)
- Select one Activity course (1)

AS: AGRICULTURE SCIENCE REQUIREMENTS

Agriculture Courses (17 semester hours)

- AGRS 100 - Practical Crop Production (3)
- AGRS 100L - Practical Crop Production Laboratory (1)
- AGRS 102 - Agriculture Economics (3)
- AGRS 105 - Animal Science (3)
- AGRS 205 - Farm and Ranch Management (3)
- AGRS 240 - Introduction to Soil Science (3)
- AGRS 240L - Introduction to Soil Science Laboratory (1)

Restricted Electives (7 semester hours)

Select at least 7 semester hours from the following list. See advisor for recommended tracks.

Animal Science Courses:

- AGRS 225 - Feeds and Feeding (4)
- AGRS 230 - Farm Animal Anatomy and Physiology (3)
- AGRS 250 - Live Animal & Carcass Evaluation (1)
- AGRS 250L - Live Animal & Carcass Evaluation Laboratory (2)
- AGRS 288 - Livestock Practicum (1)
- AGRS 288L - Livestock Practicum Laboratory (1)
- AGRS 296 - Topics: Sustainable Agriculture Practices (1-3)

Soil and Crop Science Courses:

- ACCT 201 - Principles of Financial Accounting (3)
- AGRS 103 - Introduction to Entomology (2)
- AGRS 103L - Introduction to Entomology Laboratory (1)
- AGRS 110 - Integrated Pest Management (3)
- AGRS 210 - Agricultural Marketing (3)
- AGRS 260 - Plant Propagation (3)
- AGRS 296 - Topics: Sustainable Agriculture Practices (1-3)
- BIOL 203 - Human Nutrition (3)
- PHYS 100 - Concepts of Physics (3)

Agriculture Business Courses:

- AGRS 208 - Agricultural Finance (3)
- AGRS 210 - Agricultural Marketing (3)
- GISB 101 - Business Info Technology (3)

Agriculture Education Courses:

- AGRS 210 - Agricultural Marketing (3)
- AGRS 225 - Feeds and Feeding (4)
- AGRS 118 - Farm Structures and Green Houses (3)

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ELECTIVES (3 semester hours)

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SUGGESTED COURSE SEQUENCING

Freshman Year, Fall Semester: 15 credits

- AGRS 100 - Practical Crop Production (3) and AGRS 100L - Practical Crop Production Laboratory (1)
- AGRS 105 - Animal Science (3)
- ENGL 111 - English Composition (3)
- Essential Learning - Natural Science with lab (4)
- KINE 100 - Health and Wellness (1)

Freshman Year, Spring Semester: 15 credits

- Restricted Elective (3)
 - Essential Learning - Natural Science (3)
 - Elective (3)
 - ENGL 112 - English Composition (3)
 - MATH 110 - College Mathematics (3)
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Sophomore Year, Fall Semester: 16 credits

- AGRS 102 - Agriculture Economics (3)
- AGRS 240 - Introduction to Soil Science (3) and AGRS 240L - Introduction to Soil Science Laboratory (1)
- Restricted Elective (3)
- Essential Learning - Humanities (3)
- Essential Learning - History (3)

Sophomore Year, Spring Semester: 14 credits

- AGRS 205 - Farm and Ranch Management (3)
 - KINA Activity (1)
 - Essential Learning Fine Arts (3)
 - Restricted Elective (1)
 - Essential Learning Social and Behavioral Sciences (3)
 - Essential Learning Social and Behavioral Sciences (3)
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Students that intend to continue with Colorado Mesa University should take ESSL 290 Maverick Milestone and ESSL 200 Essential Speech during the final semester of their Associate of Science work.