AGRICULTURE SCIENCE (AS)

Degree: Associate of Science
Major: Agricultural Science
Program Code: 2341

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.

For more information on what you can do with this major, visit CMU Tech's Programs of Study page.

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

1. Apply business communication skills using listening, verbal and written, and electronic forms that are needed for entry level employment in agriculture. (communication fluency).
2. Apply mathematical concepts for agriculture industry. (quantitative fluency).
3. Research and apply relevant agricultural information and data to agricultural challenges. (specialized knowledge, critical thinking).
4. Demonstrate knowledge of agricultural terminology, symbols, practices, and principles and application of associated technical skills. (specialized knowledge).
5. Demonstrate ethical, civic, and work place responsibility as part of professional behavior in an agricultural environment. (personal and social responsibility).

Requirements

Each section below contains details about the requirements for this program. Select a header to expand the information/requirements for that particular section of the program's requirements.

To print or save an overview of this program's information, including the program description, learning outcomes, requirements, suggested course sequencing (if applicable), and advising and graduation information, scroll to the bottom of the left-hand navigation menu and select "Print Options." This will give you the options to either "Send Page to Printer" or "Download PDF of This Page." The "Download PDF of This Page" option prepares a much more concise presentation of all program information. The PDF is also printable and may be preferable due to its brevity.

Institutional Degree Requirements

The following institutional degree requirements apply to all CMU or CMU Tech 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/CMU Tech.
- 2.00 cumulative GPA or higher in all CMU/CMU Tech 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.

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.

Code	Title	Semester Credit Hours
English [1]		
ENGL 111	English Composition I-GTCO1	3
ENGL 112	English Composition II-GTCO2	3
Mathematics [1]		
MATH 110	Mathematical Investigations-GTMA1	3
History		
Select one History course		3
Humanities		
Select one Humanities course		3
Social and Behavioral Sciences		
Select one Social and Behavioral Sciences course		3
Select one Social and Behavioral Sciences course		3
Fine Arts		
Select one Fine Arts course		3
Natural Sciences [2]		
Select one Natural Sciences course		3
Select one Natural Sciences course with a lab		4
Total Semester Credit Hours		**31**

[1] Must receive a grade of "C" or better and must be completed by the time the student has 60 semester hours.
[2] One course must include a lab.

Other Lower Division Requirements

Code	Title	Semester Credit Hours
Wellness Requirement		
KINE 100	Health and Wellness	1
Select one Activity course		1
Total Semester Credit Hours		**2**

Program Specific Degree Requirements

(24 semester hours, must earn a "C" or better in each course.)

Code	Title	Semester Credit Hours
Agriculture Courses		
AGRS 100 & 100L	Practical Crop Production and Practical Crop Production Laboratory	4
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		
Select at least 7 semester hours from the following list [1]		7
Animal Science Courses		
AGRS 225	Feeds and Feeding	
AGRS 230	Farm Animal Anatomy and Physiology	
AGRS 250 & 250L	Live Animal and Carcass Evaluation and Live Animal and Carcass Evaluation Laboratory	
AGRS 288	Livestock Practicum	
AGRS 296	Topics:	
Soil and Crop Science Courses		
AGRS 110	Integrated Pest Management	
AGRS 118	Farm Structures and Green Houses	
AGRS 210	Agricultural Marketing	
AGRS 260	Plant Propagation	
AGRS 296	Topics:	
PHYS 100	Concepts of Physics-GTSC2	
Agriculture Business Courses		
ACCT 201	Principles of Financial Accounting	
AGRS 210	Agricultural Marketing	
CISB 101	Business Information Technology	
Agriculture Education Courses		
AGRS 208	Agricultural Finance	
AGRS 225	Feeds and Feeding	
Total Semester Credit Hours		**24**

[1] See advisor for recommended tracks.

General Electives

(3 semester hours)

Code	Title	Semester Credit Hours
Select electives		3
Total Semester Credit Hours		**3**

Suggested Course Plan

First Year		
Fall Semester		**Semester Credit Hours**
AGRS 100 & 100L	Practical Crop Production and Practical Crop Production Laboratory	4
ENGL 111	English Composition I-GTCO1	3
KINE 100	Health and Wellness	1
Restricted Elective		3
Essential Learning - Natural Science with lab		4
	Semester Credit Hours	**15**
Spring Semester		
AGRS 105	Animal Science	3
ENGL 112	English Composition II-GTCO2	3
MATH 110	Mathematical Investigations-GTMA1	3
Essential Learning - Natural Science		3
General Elective		3
	Semester Credit Hours	**15**
Second Year		
Fall Semester		
AGRS 102	Agriculture Economics	3
AGRS 240 & 240L	Introduction to Soil Science and Introduction to Soil Science Laboratory	4
Restricted Elective		3
Essential Learning - Humanities		3
Essential Learning - History		3
	Semester Credit Hours	**16**
Spring Semester		
AGRS 205	Farm and Ranch Management	3
Restricted Elective		1
Essential Learning - Social and Behavioral Sciences		3
Essential Learning - Social and Behavioral Sciences		3
Essential Learning - Fine Arts		3
KINA Activity		1
	Semester Credit Hours	**14**
	Total Semester Credit Hours	**60**

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.

Advising and Graduation

Advising Process and DegreeWorks

Documentation on the pages related to this program 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 their 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 on the Graduation web page.

If a student's petition for graduation is denied, it will be their responsibility to apply for graduation in a subsequent semester. A student's "Intent to Graduate" does not automatically move to a later graduation date.