



## 2017-2018 PROGRAM REQUIREMENTS

**Degree: Associate of Science**

**Major: Liberal Arts**

**Emphasis: Geology**

### **About This Major . . .**

The Associate of Science (A.S.) degree is designed for students who intend to continue their education and obtain a baccalaureate degree. The A.S. is the appropriate choice for students who will take upper division coursework in mathematics, biological sciences, and physical sciences. The degree program includes the Colorado Statewide Essential Learning Core and meets the lower division Essential Learning requirements at most public institutions in Colorado. A number of emphases are available within the A.S. degree. Students choosing one of these emphases will take courses in a discipline in addition to the Essential Learning core.

An Associate of Science (A.S.) degree with a geology emphasis is offered through the Physical and Environmental Sciences Department. This degree prepares students for employment as geological technicians in government and industry, or for entrance into the geology baccalaureate program at Colorado Mesa University or other four-year institutions. The curriculum includes basic courses in geology as well as Essential Learning courses. All of the geology courses place emphasis on the spectacular geologic features in western Colorado and eastern Utah.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>.

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. Articulate the fundamental knowledge base and ideas of the major fields of geoscience. (Specialized Knowledge)
2. Collect and interpret geoscience field data. (Applied Learning)

### **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 all 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 the 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>.

### **INSTITUTIONAL DEGREE REQUIREMENTS**

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

## **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, must receive a grade of "C" or better, must be completed by the time the student has 60 semester hours.)

- MATH 113 - College Algebra (4) or higher  
\*3 credits apply to the Essential Learning requirements and 1 credit applies to elective credit

**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)

**ASSOCIATE OF SCIENCE: GEOLOGY REQUIREMENTS** (27 semester hours)

**Core Classes** (11 Semester Hours)

- Must choose either:
  - GEOL 111 - Principles of Physical Geology (3) and GEOL 111L Principles of Physical Geology Laboratory (1)
  - GEOL 113 - Field Based Introduction to Physical Geology and GEOL 113L - Field Based Introduction to Physical Geology Laboratory (1)

\*Either GEOL 111/111L or GEOL 113/113L may be taken for credit, but not both.
- GEOL 112 - Principles of Historical Geology (3)
- GEOL 112 - Principles of Historical Geology Laboratory (1)
- GEOL 250 - Environmental Geology (3)

**Required Geology Specialization Courses** (16 Semester Hours) To be selected in consultation with student's advisor.

- \*MATH 113 - College Algebra (1)
- GEOG 131 - Introduction to Cartography (3)
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**SUGGESTED COURSE SEQUENCING**

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**Freshman Year, Fall Semester: 15 credits**

- GEOL 111/111L or GEOL 113/113L (4)
- ENGL 111 - English Composition (3)
- MATH 113 - College Algebra (3)
- Essential Learning - Fine Arts (3)
- KINE 100 - Health and Wellness (1)

**Freshman Year, Spring Semester: 15 credits**

- GEOL 112 - Principles of Historical Geology (3)
  - GEOL 112L - Principles of Historical Geology Laboratory (1)
  - ENGL 112 - English Composition (3)
  - Essential Learning - Natural Science with lab (4)
  - Essential Learning - Social and Behavioral Sciences (3)
  - Wellness Requirement - Activities Course (1)
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**Sophomore Year, Fall Semester: 15 credits**

- GEOL 250 - Environmental Geology (3)
- Geology Specialization Selection (3)
- Essential Learning - Humanities (3)
- Essential Learning - Natural Science without lab (3)
- GEOG 131 - Introduction to Cartography (3)

**Sophomore Year, Spring Semester: 15 credits\***

- Geology Specialization Selection (5)
- Geology Specialization Selection (4)
- Essential Learning - History (3)
- Essential Learning - Social and Behavioral Sciences (3)

\*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.