



**2016-2017 PETITION/PROGRAM SHEET**  
**Degree: Associate of Science**  
**Major: Liberal Arts**  
**Emphasis: Geology**

**About This Emphasis . . .**

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)

**NAME:** \_\_\_\_\_ **STUDENT ID #:** \_\_\_\_\_

**LOCAL ADDRESS AND PHONE NUMBER:** \_\_\_\_\_

\_\_\_\_\_ ( ) \_\_\_\_\_

I, (Signature) \_\_\_\_\_, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I have read and understand the policies listed on the last page of this program sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

\_\_\_\_\_  
Signature of Advisor \_\_\_\_\_ 20  
Date

\_\_\_\_\_  
Signature of Department Head \_\_\_\_\_ 20  
Date

\_\_\_\_\_  
Signature of Registrar \_\_\_\_\_ 20  
Date

**DEGREE REQUIREMENTS:**

- 60 semester hours total ( A minimum of 16 taken at CMU in no fewer than two semesters).
- 2.00 cumulative GPA or higher in all CMU coursework and a grade of "C" or better must be earned toward the major content area.
- A grade of "C" or higher must be earned in all Essential Learning courses in order to be accepted for the transfer under the Core Transfer Agreements.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- A student must follow the CMU graduation requirements either from 1) the program sheet for the major in effect at the time the student officially declares a major; or 2) a program sheet for the major approved for a year subsequent to the year during which the student officially declares the major and is approved for the student by the department head. Because a program may have requirements specific to the degree, the student should check with the faculty advisor for additional criteria. It is the student's responsibility to be aware of, and follow, all requirements for the degree being pursued. Any exceptions or substitutions must be approved by the student's faculty advisor and Department Head.
- When filling out the program sheet a course can be used only once.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for additional graduation information.

**ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is on the Essential Learning list of options and a requirement for your major, you must use it to fulfill the major requirement and make a different selection within the Essential Learning requirement. The Essential Learning capstone course and co-requisite Essential Speech course (required for bachelor's degrees) cannot be used as options for the below requirements.

Course No Title Sem.hrs Grade Term/Trns

**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	_____	_____

**Math** MATH 113 or higher (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*	_____	_____
----------	-----------------	----	-------	-------

\*3 credits apply to the Essential Learning requirements and 1 credit applies to Geology Specialization Courses

**Humanities** (3 semester hours)

_____	_____	_____	_____	_____
-------	-------	-------	-------	-------

**Social and Behavioral Sciences** (6 semester hours)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	L _____	_____	_____	_____

**History** (3 semester hours)

HIST _____	_____	_____	_____	_____
------------	-------	-------	-------	-------

**Fine Arts** (3 semester hours)

_____	_____	_____	_____	_____
-------	-------	-------	-------	-------

Course No Title Sem.hrs Grade Term/Trns

**WELLNESS REQUIREMENT** (2 semester hours)

KINE 100	Health and Wellness	1	_____	_____
KINA 1	_____	1	_____	_____

**GEOLOGY EMPHASIS CORE REQUIREMENTS**

(27 semester hours)

**Core Classes**

Must choose either: GEOL 111/111L or GEOL 113/113L

GEOL 111	Principles of Physical Geology	3	_____	_____
GEOL 111L	Principles of Physical Geology Lab	1	_____	_____

**OR**

GEOL 113	Field Based Intro to Physical Geology	3	_____	_____
GEOL 113L	Field Based Intro to Physical Geology Lab	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 112L	Principles of Historical Geology Lab	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	Intro to Cartography	3	_____	_____

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

## SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF SCIENCE WITH A MAJOR IN LIBERAL ARTS - EMPHASIS IN GEOLOGY

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with the assigned advisor and check the 2 year course matrix on the Colorado Mesa website for course availability.

### FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
GEOL 111	Principles of Physical Geology <u>and</u>	GEOL 112	Principles of Historical Geology 3
GEOL 111L	Principles of Physical Geology Lab <u>or</u>	GEOL 112L	Principles of Historical Geology Lab 1
GEOL 113	Field Based Intro to Phys. Geology <u>and</u> 3	ENGL 112	English Composition 3
GEOL 113L	Field Based Intro to Phys. Geol. Lab 1	ESSL	Natural Science with Lab 4
ENGL 111	English Composition 3	ESSL	Social/Behavioral Science 3
MATH 113	College Algebra (or higher) 4	KINA	Activity <u>1</u>
ESSL	Fine Arts 3		15
KINE 100	Health and Wellness <u>1</u>		
	15		

### SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
GEOL 250	Environmental Geology 3	Geology Specialization Selection	5
Geology Specialization Selections	3	Geology Specialization Selection	4
ESSL	Humanities 3	ESSL	History 3
ESSL	Natural Science 3	ESSL	Social/Behavioral Science <u>3</u>
GEOG 131	Intro to Cartography <u>3</u>		15
	15		

#### POLICIES:

1. Please see the catalog for a complete list of graduation requirements.
2. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates.** You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December.**
3. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature. Finally, the Department Head will submit the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
4. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
5. NOTE: The semester before graduation, you may be required to take a capstone exit assessment/project.