2005 – 06 PETITION/PROGRAM SHEET
Degree: Associate of Science
Emphasis: Geology
www.mesastate.edu/schools/snsm/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 General Education Core and meets the lower division general education 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 general education 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 Mesa State College or other four-year institutions. The curriculum includes basic courses in geology as well as general-education courses. All of the geology courses place emphasis on the spectacular geologic features in western Colorado and eastern Utah.

POLICIES:

1. It is your responsibility to determine whether you have met the requirements for your degree. Please see your MSC Catalog for a complete list of graduation requirements.
2. You must go to the Registrar's Office and fill out the "Intent to Graduate" form **at the beginning of the semester prior to graduating.**
3. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to graduating, no later than September 15 for Spring graduates, February 15 for Fall graduates.**
4. Your advisor will sign and forward the Program Sheet, Intent to Graduate Form, and Graduation Planning Sheet to the Department Head for signature.
5. Finally, the Department Head or the department administrative assistant will take the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
6. 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.
7. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (Exit Exam).

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 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.

_____ _____ 20____
Signature of Advisor Date

_____ _____ 20____
Signature of Department Head Date

_____ _____ 20____
Signature of Registrar Date

GENERAL EDUCATION REQUIREMENTS (33 Semester Hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs
English and Speech: ENGL 111 **and** 112, SPCH 102 (9 semester hours, must earn a grade of "C" or above in ENGL 111 and 112)						
ENGL	111	3				
ENGL	112	3				
SPCH	102	3				

Course	No.	Credit	Grade	Term	Year	Trns/Subs
Social and Behavioral Sciences: (6 Semester Hours) (Minimum of 2 different disciplines)						

Physical Sciences/Math/Statistics (12 semester hours)
Science (minimum 8 semester hours)

Math/Statistics (minimum 4 semester hours, Math 113 or higher, must earn a "C" or above)

Humanities (6 semester hours)
(Minimum of 2 different disciplines)

*MATH 151 may count as the general education mathematics requirement. This will leave a balance of 13 hours of free general electives.

Human Performance and Wellness (2 semester hours) HPWA 100 and one HPWE activity

Course	No.	Credit	Grade	Term	Year	Trns/Subs
HPWA	100	1				

Course	No.	Credit	Grade	Term	Year	Trns/Subs
HPWE		1				

Geology Emphasis Core Requirements (25 Semester Hours) Must earn a "C" or above in each course.

Course	No.	Credit	Grade	Term	Year	Trns/Subs
Must choose either: GEOL 111/111L or GEOL 113/113L						
GEOL		3				
GEOL		1				

Course	No.	Credit	Grade	Term	Year	Trns/Subs
GEOL	112	3				
GEOL	112L	1				
GEOL	250	3				

Either GEOL 111/111L or GEOL 113/113L may be taken for credit, but not both.

Required Geology Specialization Courses (14 Semester Hours) To be selected in consultation with student's advisor

Course	No.	Credit	Grade	Term	Year	Trns/Subs

Course	No.	Credit	Grade	Term	Year	Trns/Subs

- 60 semester hours are required for the Associate of Science degree. Must meet the academic residency requirements.
- A cumulative grade point average of 2.0 or higher must be maintained for all courses taken.
- A grade of "C" or higher must be earned in all courses within the Geology Emphasis.
- A grade of "C" or higher must be earned in all general education courses in order to be accepted for the transfer under the Core Transfer Agreements.
- No double counting is allowed between general education requirements and major requirements.
- It is recommended that students work closely with a faculty advisor when selecting appropriate courses and scheduling classes.

GENERAL EDUCATION REQUIREMENTS (minimum 33 Semester Hours)

English and Speech – 9 Semester Hours
ENGL 111 **and** ENGL 112 **or** ENGL 129 ***(by permission)***
And SPCH 102 (required)

See current Mesa State College Catalog for list of courses that fulfill the requirements below.

Mathematics and Science – minimum 12 Semester Hours
Minimum 4 semester hours in Math and minimum 8 semester hours in Science. Both lecture and Lab must be taken in all courses having both.

Humanities – 6 semester hours. Minimum of two different disciplines required.

Social and Behavioral Sciences – 6 semester hours. Minimum of two different disciplines required.

OTHER REQUIREMENTS (2 Semester Hours)

Human Performance and Wellness – 2 Semester Hours
Each student must take HPWA 100 together with one HPWE Activity course. See current catalog for listing.

Geology Emphasis Requirements (25 Semester Hours)

Required Core Courses
- GEOL 111 Principles of Physical Geology and
- GEOL 111L Principles of Physical Geology Lab **or**
  - GEOL 113 Field Based Introduction to Physical Geology and
  - GEOL 113L Field Based Introduction to Physical Geology Lab
- GEOL 112 Principles of Historical Geology
- GEOL 112L Principles of Historical Geology Lab
- GEOL 250 Environmental Geology

Required Geology Specialization Courses
- 14 semester hours selected in consultation with student's advisor

Students are required to participate in exit examinations or other programs deemed necessary to comply with the college accountability requirement. All degree requirements must be completed as described above. Any exceptions or substitutions must be recommended in advance by the faculty advisor and approved by the Department Head.

SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF SCIENCE WITH AN EMPHASIS IN GEOLOGY

FRESHMAN YEAR

Fall Semester		Hours
GEOL 111	Principles of Physical Geology and	
GEOL 111L	Principles of Physical Geology Lab **or**	
GEOL 113	Field Based Intro to Phys. Geology and	3
GEOL 113L	Field Based Intro to Phys. Geol. Lab	1
ENGL 111	English Composition	3
MATH 113	College Algebra (or higher)	4
SPCH 102	Speechmaking	3
HPWA 100	Health and Wellness	1
		15

Spring Semester		Hours
GEOL 112	Principles of Historical Geology	3
GEOL 112L	Principles of Historical Geology Lab	1
ENGL 112	English Composition	3
General Education Natural Science		4
General Education Social/Behavioral Science		3
HPWE Activity		1
		15

SOPHOMORE YEAR

Fall Semester		Hours
GEOL 250	Environmental Geology	3
Geology Specialization Selections		6
General Education Humanities		3
General Education Natural Science		4
		16

Spring Semester	Hours
Geology Specialization Selection	4
Geology Specialization Selection	4
General Education Humanities	3
General Education Social/Behavioral Science	3
	14