

**2011-2012 PETITION/PROGRAM SHEET**  
**Minor: Watershed Science**

**About This Minor . . .**

The minor in watershed science is an interdisciplinary program designed to serve the regional need for scientists with a strong background in water-related issues (e.g., Bureau of Land Management, U.S. Geological Survey, U.S. Forest Service (U.S.F.S.), U.S. Fish and Wildlife Service, and the Colorado Division of Wildlife). Some government agencies, such as the U.S.F.S., are shifting their management organization to focus on watersheds, and this minor supports needs in this area.

The minor complements majors in physical and environmental science and biology by providing students in these fields with certification of focused coursework. Combined with the relevant B.S., plus additional calculus and physics courses, the minor satisfies the federal government's requirements for qualification as a hydrologist. The proximity of Colorado Mesa to the Colorado, Gunnison, and Green Rivers, the drainages of the Colorado National Monument, and the high arroyos create an ideal location for the study of watershed science.

**POLICIES:**

1. It is your responsibility to determine whether you have met the requirements for your degree. Please see the catalog for a complete list of graduation requirements.
2. 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. 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.**
4. Your advisor will sign and forward the Program Sheet 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).

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

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

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

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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.

\_\_\_\_\_  
Signature of Watershed Science Advisor

\_\_\_\_\_  
Date

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\_\_\_\_\_  
Signature of Department Head

\_\_\_\_\_  
Date

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\_\_\_\_\_  
Signature of Registrar

\_\_\_\_\_  
Date

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**Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.** See the “Undergraduate Graduation Requirements” in the catalog for additional graduation information.

**Minor Requirements:**

- At least 33 percent of the credit hours required for the minor must be in courses numbered 300 or above.
- 2.00 cumulative GPA or higher in the minor is required
- The number of minors a student may receive at Colorado Mesa University shall not exceed two.
- 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.

**REQUIRED COURSES (18 Semester Hours Minimum)**

See the current catalog for a list of courses that fulfill the requirements below.

Course No	Title	Sem.hrs	Grade	Term
GEOL 355	Basic Hydrology	3	_____	_____
GEOL 455	River Dynamics	3	_____	_____
GEOL 455L	River Dynamics Lab	1	_____	_____
ENVS 331	Water Quality	3	_____	_____
ENVS 331L	Water Quality Lab	1	_____	_____

**Seven semester hours (minimum) from the following:**

BIOL* 414	Aquatic Biology	3	_____	_____
BIOL* 414L	Aquatic Biology Lab	1	_____	_____
CHEM 300	Environmental Chemistry	4	_____	_____

Course No	Title	Sem.hrs	Grade	Term
ENVS* 312	Soil Science and Sustainability	3	_____	_____
ENVS* 312L	Soil Science and Sustainability Lab	1	_____	_____
ENVS 433	Restoration of Aquatic Systems	3	_____	_____
GEOL 394	Natural Resources of the West	1	_____	_____
GEOL 402	Applications of Geomorphology	3	_____	_____
GEOL 402L	Applications of Geomorphology Lab	1	_____	_____
GEOL* 415	Intro to Ground Water	3	_____	_____
GEOL* 415L	Intro to Ground Water Lab	1	_____	_____

\*Lecture and lab must be taken together