



2005 – 06 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 Mesa State 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 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 will 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.

Signature of Watershed Science Advisor _____ Date _____ 20__

Signature of Department Head _____ Date _____ 20__

Signature of Registrar _____ Date _____ 20__

REQUIRED COURSES (18 semester hours minimum)

- GEOL 355 Basic Hydrology (3)
- GEOL 455 River Dynamics (3)
- ENVS 331 Water Quality (3)
- ENVS 331L Water Quality Lab (1)
- Eight semester hours (minimum) from the following:
- BIOL 414 Aquatic Biology (3)
- BIOL 414L Aquatic Biology Lab (1) Lecture and lab must be taken together
- CHEM 300 Environmental Chemistry (4)
- ENVS 312 Soil Properties and Characterization (3)
- ENVS 312L Soil Properties and Characterization (1) Lecture and lab must be taken together
- ENVS 433 Restoration of Aquatic Systems (3)
- GEOL 396 Topics: Water Seminar (1)
- GEOL 402 Applications of Geomorphology (3)
- GEOL 402L Applications of Geomorphology Lab (1)
- GEOL 415 Introduction to Ground Water (3)
- GEOL 415L Introduction to Ground Water Lab (1) Lecture and lab must be taken together

A GPA of 2.0 or higher in the minor is required.

<u>Course</u>	<u>No.</u>	<u>Credit</u>	<u>Grade</u>	<u>Term</u>	<u>Year</u>	<u>Trns/Subs</u>
GEOL	<u>355</u>	<u>3</u>	_____	_____	_____	_____
GEOL	<u>455</u>	<u>3</u>	_____	_____	_____	_____
ENVS	<u>331</u>	<u>3</u>	_____	_____	_____	_____
ENVS	<u>331L</u>	<u>1</u>	_____	_____	_____	_____
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