2012-2013 PETITION/PROGRAM SHEET
Degree: Associate of Applied Science
Major: Water Quality Management

About This Major . . .

The Water Quality Management Program will prepare students for entry level employment as technicians in the water processing industry. Water quality technicians work in teams to operate drinking water treatment systems and wastewater treatment systems. The workers plan, test for quality, operate complex equipment to acquire and deliver high quality drinking water or process waste water for return to the environment.

This program will provide the student with an understanding of the regulatory expectations, the science involved in meeting regulatory expectations, the equipment used to process water, and the systems management skills necessary to be a successful employee in the water processing industry. The industries interested in hiring graduates of this program are the public drinking water utilities and the wastewater treatment systems.

For more information on what you can do with this major, go to http://www.coloradomesa.edu/wccc/programs.html

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 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

Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.

Degree Requirements:

- 68 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
- A grade of "C" or higher must be achieved in all coursework toward major content area.
- 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 the "Undergraduate Graduation Requirements" in the catalog for additional graduation information.

GENERAL EDUCATION REQUIREMENTS (Minimum 15 semester hours) See the current catalog for a list of courses that fulfill the requirements below. If a course is on the general education 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 general education requirement.

Course No	Title	Sem.hrs	Grade	Term
Communication: (6 semester hours)				
ENGL 111	English Composition	3	_____	_____
ENGL 112	English Composition	3	_____	_____
-OR-				
ENGL 111	English Composition **and**	3	_____	_____
SPCH 101	Interpersonal Communication **or**	3	_____	_____
SPCH 102	Speechmaking	3	_____	_____

Course No	Title	Sem.hrs	Grade	Term
Mathematics: (Minimum 3 semester hours)				
MATH 108	Technical Mathematics (or higher level)	4	_____	_____
Social Sciences, Natural Science, Fine Arts, or Humanities or Selected Applied Studies Courses* (Minimum 6 semester hours)				
_____	_____ _____	3	_____	_____
_____	_____ _____	3	_____	_____

OTHER LOWER DIVISION REQUIREMENTS

Wellness (2 semester hours)				
KINE 100	Health and Wellness	1	_____	_____
KINA 1____	_____	1	_____	_____

ASSOCIATE OF APPLIED SCIENCE: COURSE REQUIREMENTS

(51 semester hours)

CHEM 121	Principles of Chemistry	4	_____	_____
CHEM 121L	Principles of Chem Lab	1	_____	_____
WQMS 100	Intro to Water Quality	3	_____	_____
WQMS 105	Calculations for WQM	4	_____	_____
WQMS 106	Mech/Phys Treatment	3	_____	_____
WQMS 109	Water Distribution	3	_____	_____
WQMS 116	Surface Water Treatment	3	_____	_____
WQMS 118	Wastewater Collect Syst	3	_____	_____
WQMS 119	Water Quality Analysis	4	_____	_____
WQMS 227	Utility Management	3	_____	_____
WQMS 212	Drinking Water Regulations	4	_____	_____
PROS 100	Intro to Process Technology	3	_____	_____
PROS 110	Safety, Health, and Environment	3	_____	_____
PROS 210	Pros Tech II: Systems	4	_____	_____
PROS 130	Instrumentation	3	_____	_____
TECI 110	Applied Physics	3	_____	_____

*Please see your advisor for requirements specific to this program.

SUGGESTED COURSE SEQUENCING FOR A MAJOR IN WATER QUALITY MANAGEMENT

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
MATH 108	Technical Mathematics	4
WQMS 100	Intro to Water Quality	3
WQMS 106	Mechanical/Physical Treatment	3
WQMS 109	Water Distribution	3
PROS 100	Intro to Process Technology	3
KINE 100	Health and Wellness	1
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Spring Semester		Hours
General Education	Soc/Beh. Sci, Humanities, or Speech	3
WQMS 105	Calculation in WQM	4
WQMS 116	Surface Water Treatment	3
TECI 110	Applied Physics	3
CHEM 121	Principles of Chemistry	4
CHEM 121L	Principles of Chemistry Lab	1
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SOPHOMORE YEAR

Fall Semester		Hours
ENGL 111	English Composition	3
PROS 130	Instrumentation	3
PROS 210	Process Tech II: Systems	4
WQMS 118	Wastewater Collection	3
PROS 110	Safety, Health, and Environment	3
KINA XXX	Activity	1
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Spring Semester		Hours
ENGL 112	English Composition	3
General Education	Soc/Beh. Sci, Humanities, or Speech	3
WQMS 119	Basic Water Quality Analysis	4
WQMS 227	Utility Management	4
WQMS 212	Drinking Water Regulations	3
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