

UNIVERSITY OF MARY WASHINGTON – PROGRAM CHANGE PROPOSAL

Electronically submit this completed form with attachments in one file to the Chair of the College Curriculum Committee.

COLLEGE (check one):	Arts and Sciences <input checked="" type="checkbox"/>	Business <input type="checkbox"/>	Education <input type="checkbox"/>
Proposal Submitted By: Jodie Hayob		Date Prepared: 11/13/19	
Department /Program:	Earth and Environmental Sciences		

1. *Note: for any program change entailing the addition of any new courses, or revisions to existing courses, separate proposal for those course actions must also be submitted. If the proposal involves changes in course credit hours as a part of the program change, "Change_Course_Credits" proposal forms for each course with revised credit hours must also be submitted.*

PROPOSAL TO CHANGE EXISTING PROGRAM (check no than one of the following).	
Revise requirements for existing major	X
Revise requirements for a concentration within an existing major	
Revise requirements for an existing degree program	
Revise requirements for existing certificate program	
Revise requirements for existing minor	
Implementation Date: FALL semester, year:	Fall 2020

PROPOSAL TO CREATE NEW PROGRAM NOT REQUIRING STATE ACTION (check no more that one of the following)	
New concentration within existing major	Name:
New minor	Name:
New Major but NOT a new degree*	Name:
<small>*Use ONLY for interdisciplinary majors that will be grouped as part of the "Special Majors/General Liberal Arts and Sciences" degree (CIP Code 24.0101) or reported as a BLS degree (CIP Code 24.0199)</small>	
Implementation Date (semester and year):	

REQUIRED ATTACHMENTS FOR ALL PROPOSALS FOR PROGRAM CHANGE OR FOR NEW PROGRAMS NOT REQUIRING STATE APPROVAL:

2. **Rationale statement** (Why is this additional program needed? What purposes will it serve?)
3. **Impact Statement** (Provide details about the Library, space, budget, technology, and impacts created by this program change. Supporting statements from the Library, IT Department, etc. evaluating the resource impact and feasibility of adding the new program are required.) *If the proposal involves changes in course credit hours as a part of the program change, "Change_Course_Credits" proposal forms for each course with revised credit hours must also be submitted.*
4. **Catalog Copy** (Provide the complete Catalog Description for the proposed new program)
5. **Any change that impacts another Department must have a written statement (such as a copy of an email) from the Chair(s) agreeing to the change.**

Department Chair Approval*:	Date: 11/13/19
CCC Chair Approval:	Date: 11/25/19
Dean Approval:	Date: 12/3/19

*COB and COE proposals approved by the Associate Dean.

BEFORE consideration by the UCC, the proposal must be approved the three levels noted above. Approval by the UCC, UFC, and Provost** are noted on the proposal "status history" at the UCC web site.

**Provost approval is required in cases of proposals for new concentrations, new minors, new majors that do not involve a new degree, *or program changes involving changes to credit hours of courses in the program's requirements.*

Rationale:

We are requesting a change to the Geology and Environmental Geology majors to reflect a new course number for two courses that were combined into one 4-credit course—EESC 210 Oceanography (3 credits) and EESC 211 Oceanography Laboratory (1 credit)—to EESC 121 Oceanography w/ Lab (4 credits).

Impact Statement:

There are no new impacts of this change. Impacts were discussed in the proposal submitted previously by Dr. Pam Grothe for the renumbered EESC 121 course; that proposal was provisionally accepted by the CAS Curriculum Committee pending submission of Catalog changes by the Department (included here).

OLD Catalog copy:

Requirements for Geology Major

Forty-two (42) credits, to include EESC 111, 112, 240, 301, 302, 311, 412, and either EESC 205 or GEOG 250 or GISC 200; and an additional ten (10) credits in other Earth and Environmental Science courses from the following: EESC 201, 210, 211, 307, 313, 315, 325, 335, 340, 355, 360, 421, 481, 491, 493, or 499*. CHEM 331 or 332 may be substituted for up to four (4) of these credits.

**A maximum of 3 credits may count toward the major requirements.*

Prerequisite Courses

CHEM 111 and CHEM 112 are prerequisite to courses in the Geology major. Students expecting to major in a geology program should consider taking the introductory chemistry sequence as general education requirements or as electives.

Requirements for Environmental Geology Major

Forty-one to Forty-three (41-43) credits, to include EESC 111, 112, 240, 301, 307, 311, 315, and 412; and either EESC 205 or GEOG 250 or GISC 200. In addition, choose at least two elective courses (for a minimum of six credits) from the following: EESC 210, 313, 325, 330, 340, 360, 421, 481, 491, 493 or 499*.

**A maximum of 3 credits may count toward the major requirements.*

NEW Catalog copy:

Requirements for Geology Major

Forty-two (42) credits, to include EESC 111, 112, 240, 301, 302, 311, 412, and either EESC 205 or GEOG 250 or GISC 200; and an additional ten (10) credits in other Earth and Environmental Science courses from the following: EESC **121**, 201, **210**, **211**, 307, 313, 315, 325, 335, 340, 355, 360, 421, 481, 491, 493, or 499*. CHEM 331 or 332 may be substituted for up to four (4) of these credits.

**A maximum of 3 credits may count toward the major requirements.*

Prerequisite Courses

CHEM 111 and CHEM 112 are prerequisite to courses in the Geology major. Students expecting to major in a geology program should consider taking the introductory chemistry sequence as general education requirements or as electives.

Requirements for Environmental Geology Major

Forty-one to Forty-three (41-43) credits, to include EESC 111, 112, 240, 301, 307, 311, 315, and 412; and either EESC 205 or GEOG 250 or GISC 200. In addition, choose at least two elective courses (for a minimum of six credits) from the following: EESC **121**, **210**, 313, 325, 330, 340, 360, 421, 481, 491, 493 or 499*.

**A maximum of 3 credits may count toward the major requirements.*

Impacts on other Departments or Programs:

The renumbering of oceanography to EESC 121 affects the following programs: the new Conservation Biology major offered

through the Dept. of Biological Sciences, the Climate Science minor offered through the Geography department, and programs offered through the College of Education.

- Conservation Biology major: EESC 210 (counts as an elective in the major)
- Climate Science minor: EESC 210 (counts as an elective in the minor)
- CoE: EESC 210 is a required course for students pursuing licensure in Secondary Education with an Earth Sciences endorsement

In the College of Arts and Sciences, Profs. Lynn Lewis (Chair of the Department of Biological Sciences) and Jackie Gallagher (Chair of the Department of Geography) are supportive of our proposal regarding the conversion of EESC 210/211 to EESC 121 (emails of support copied below). From the College of Education, Janine Davis (Program Director, Elementary, PreK-12 and Secondary Education) and Courtney Clayton (Associate Dean) have also expressed support for our proposed changes (noted in an email from Janine below).

Lynn Lewis (llewis)
Fri 11/15/2019 1:48 PM
Jodie Hayob (jhayob)

Dear Jodie:

The Biology Department supports the changes that EESC is making, and we have incorporated them into our courses/catalog listings as well.

Lynn

Jackie Gallagher (jgallagh)
Thu 11/14/2019 8:59 AM
Jodie Hayob (jhayob)

Hi Jodie,

The Geography Department supports your change. The Climate Science Minor is impacted, and we have already submitted a change to it (attached) to reflect the new Oceanography changes.

Thank you! Jackie

Janine Davis (jdavis7)
Fri 11/15/2019 4:28 PM
Jodie Hayob (jhayob);
Courtney Clayton (cclayton)

Hi Jodie,

I am on UCC so I did see these as they came through. There was no email of support that I recall for that, but thanks for checking in, and seeing it then. I did know that this kind of change would be fine for the COE students. I emailed Courtney to check and she agreed. We'd love to meet again soon to talk through any follow up changes—yes, we'd probably need a program change for the ISS major too eventually. Secondary Earth Science should be fine—we will just need to update the checksheet to say EESC 121 instead of 210 once the change takes place.

Thanks, Janine