



UNIVERSITY of WASHINGTON

Michael K. Young  
President

November 5, 2013

Vice Chancellor J.W. Harrington  
University of Washington, Tacoma  
Box 358430

Dear J.W.:

Based upon the recommendations of the Faculty Council on Academic Policy, the Faculty Assembly has recommended approval of the revised program requirements for the Bachelor of Science degree in Environmental Science. A copy of the change is attached.

I am writing to inform you that the Office of Academic Affairs is authorized to specify these requirements beginning winter quarter 2014.

The new requirements should be incorporated in printed statements and in individual department websites as soon as possible. The *General Catalog* website will be updated accordingly by the Registrar's Office.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Michael K. Young".

Michael K. Young  
President

Enclosure

cc: Ms. Kelly Kledzik (with enclosure)  
Mr. Robert Corbett (with enclosure)  
Ms. Virjean Edwards (with enclosure)



UNIVERSITY OF WASHINGTON

CREATING AND CHANGING UNDERGRADUATE  
ACADEMIC PROGRAMS

OCT 31 2013

OFFICE USE ONLY

Control #

JESC-2013 0417

After college/school/campus review, send a signed original and 1 copy to the Curriculum Office/FCAS, Box 355850.

For information about when and how to use this form: <http://depts.washington.edu/uwcr/1503instructions.pdf>

College/Campus UW Tacoma

Department/Unit Interdisciplinary Arts and  
Sciences

Date 04/17/12

## New Programs

- ☐ Leading to a Bachelor of \_\_\_\_\_ in \_\_\_\_\_ degree.
- ☐ Leading to a Bachelor of \_\_\_\_\_ degree with a major in \_\_\_\_\_.
- ☐ Leading to a \_\_\_\_\_ Option within the existing major in \_\_\_\_\_.
- ☐ Leading to a minor in \_\_\_\_\_.

## Changes to Existing Programs

- ☐ New Admission Requirements for the Major in \_\_\_\_\_ within the Bachelor of \_\_\_\_\_.
- ☐ Revised Admission Requirements for the Major in \_\_\_\_\_ within the Bachelor of \_\_\_\_\_.
- ☒ Revised Program Requirements for the Major in Environmental Science within the Bachelor of Science.
- ☐ Revised Requirements for the Option in \_\_\_\_\_ within the major in \_\_\_\_\_.
- ☐ Revised Requirements for the Minor in \_\_\_\_\_.

## Other Changes

- ☐ Change name of program from \_\_\_\_\_ to \_\_\_\_\_.
- ☐ New or Revised Continuation Policy for \_\_\_\_\_.
- ☐ Eliminate program in \_\_\_\_\_.

Proposed Effective Date: Quarter: ☐ Autumn ☒ Winter ☐ Spring ☐ Summer Year: 20 14

Contact Person: Jenny Quinn

Phone: x2-4794

Email: [jjquinn@uw.edu](mailto:jjquinn@uw.edu)

Box: 358436

## EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE

For new program, please include any relevant supporting documentation such as student learning outcomes, projected enrollments, letters of support and departmental handouts. (Use additional pages if necessary).

(1) The B.S. in Environmental Science currently requires one quarter of calculus, which covers differentiation, but not integration, a topic that some of our advanced classes are now requiring for modeling biological and physical processes. On the other hand, many of our students would benefit more from an advanced statistics course used in other advanced courses and capstone research projects. Therefore, we are adding a degree requirement for either TMATH 125 Calculus with Analytic Geometry II or TMATH 310 Statistics for Environmental Applications to our existing requirement for TMATH 124 Calculus with Analytic Geometry I.

(2) We are adding a requirement for advanced science electives for the degree to require students to take at least 2 of the 5 elective science courses at the 300-level or higher. Students are sometimes avoiding taking advanced courses without this added restriction.

## OTHER DEPARTMENTS AFFECTED

List all departments/units/ or co-accredited programs affected by your new program or changes to your existing program and acquire the signature of the chair/director of each department/unit listed. Attach additional page(s) if necessary. \*See online instructions.

Department/Unit:

Chair/Program Director:

Date:

Department/Unit:

Chair/Program Director

Date:

**CATALOG COPY**

Catalog Copy as currently written. Include only sections/paragraphs that would be changed if your request is approved. Please cross out or otherwise highlight any deletions.

5 credits of calculus-course (TMATH ~~122 or 124~~) – 2.0 minimum grade

29 credits minimum – five additional TESC courses to include at least one biological science (B) course and one physical science (P) course. Of these remaining five courses, at least two must be laboratory (L) courses (6 credits) and one must be a field (F) course (7 credits). Some courses designated as labs on this list are not offered as labs every time; check the Time Schedule for credits.

**PROPOSED CATALOG COPY**

Reflecting requested changes (Include exact wording as you wish it to be shown in the printed catalog. Please underline or otherwise highlight any additions. If needed, attach a separate, expanded version of the changes that might appear in department publications).  
**Please note:** all copy will be edited to reflect uniform style in the General Catalog.

10 credits of calculus/advanced statistics (TMATH 124 and either TMATH 125 or TMATH 310) – 2.0 minimum grade

29 credits minimum – five additional TESC courses to include at least one biological science (B) course and one physical science (P) course. Of these remaining five courses, at least two must be laboratory (L) courses (6 credits) and one must be a field (F) course (7 credits). Two of these five courses must be at the 300-level or above. Some courses designated as labs on this list are not offered as labs every time; check the Time Schedule for credits.

**APPROVALS**

Chair/Program Director:



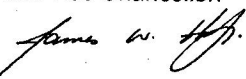
Date: 5/14/2012

College/School/Campus Curriculum Committee:



Date: 5/17/12

Dean/Vice Chancellor:



Date: 6.4.12

Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:

*see attached*

Date:

**POST TRI-CAMPUS APPROVAL (when needed)**

Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:

Date:

## University Curriculum Office (UWCR)

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**From:** Douglas Wills <dtwills@uw.edu>  
**Sent:** Wednesday, November 06, 2013 11:30 AM  
**To:** Kelly Kledzik; uwcr@uw.edu  
**Subject:** Re: 1503s for Env Science and Env Studies

Hi Jennifer,

This is Doug Wills, I'm chair of the APCC at UWT.

The 1503's for changes to our Environmental Science and Environmental Studies majors were approved by APCC back in 2012. Would you like me to sign the documents or will this be sufficient?

Thank you and sorry about the confusion.

Doug

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dtwills@uw.edu

On Wed, Nov 6, 2013 at 11:02 AM, Kelly Kledzik <kellyk6@uw.edu> wrote:  
Yes, Jennifer Payne said that would work. Thanks so much!

Kelly

Kelly Kledzik  
Curriculum and Time Specialist  
Interdisciplinary Arts and Sciences  
Campus Box 358436  
(253) 692-4502

On Wed, Nov 6, 2013 at 10:21 AM, Douglas Wills <dtwills@uw.edu> wrote:  
We did find the minutes and those changes were approved.

Do I just send an email to uwcr@uw.edu?

Doug

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dtwills@uw.edu

On Tue, Nov 5, 2013 at 1:49 PM, Kelly Kledzik <kellyk6@uw.edu> wrote:

Hi Doug,

We had some missing 1503's for changes to our Environmental Science and Environmental Studies majors. I found the 1503s on the APCC's Catalyst site for the May 12, 2012 deadline.

The 1503s have JW's signatures, but are missing the APCC Chair's signature. I had thought the notes meant it had been approved by the APCC prior to JW's signature, but I am not sure. Here's what they show:

5/17/2012: Approved and signed, ready for JW signature. Note that this needs to go to APC as well (in case it hasn't been submitted yet). Katie

6/4/2012: Approved and signed by JW.

I've attached both 1503s for you to see. Do you think they were approved by the APCC or do they need to go through at your next meeting? The forms are currently with Jennifer Payne. If you believe they have already been approved by the APCC, she just needs you to email her. If not, please let me know.

Thank you,  
Kelly

Kelly Kledzik  
Curriculum and Time Specialist  
Interdisciplinary Arts and Sciences  
Campus Box 358436  
(253) 692-4502