



OFFICE OF THE PRESIDENT

June 17, 2010

Interim Dean Dennis Hartmann  
College of the Environment  
Box 355679

Dear Dennis:

Based on the recommendation of its Subcommittee on Admissions and Programs, the Faculty Council on Academic Standards has recommended approval of the revised program requirements for the Bachelor of Science degree in Oceanography. A copy of the changes is attached.

I am writing to inform you that the School of Oceanography is authorized to specify these requirements beginning autumn quarter 2010.

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 "Mark A. Emmert".

Mark A. Emmert  
President

Enclosure

cc: Ms. Michelle Townsend (with enclosure)  
Mr. Robert Corbett (with enclosure)  
Dr. Deborah H. Wiegand (with enclosure)  
Mr. Todd Mildon, J.D. (with enclosure OCEAN-20100501)



UNIVERSITY OF WASHINGTON

**CREATING AND CHANGING UNDERGRADUATE  
ACADEMIC PROGRAMS**

MAY 18 2010

OFFICE USE ONLY

Control #

OCEAN - 20100501

After college/school/campus review, send a signed original and 8 copies 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** Environment/Seattle**Department/Unit** Oceanography**Date** 5/1/2010**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 Oceanography 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 10**

Contact Person: Gabrielle Rocap

Phone: x5-9994

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Box: 357940

**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).*

The School of Oceanography needs to change some of our departmental requirements following our move into the College of the Environment and to reflect changes in our course offerings over the past several years. Please see attached for additional information.

**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.

see attached documentation.

**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.

see attached documentation.

**APPROVALS**

Chair/Program Director:

*PEHmann*

Date:

5/6/2010

College/School/Campus Curriculum Committee:

*Stephen D. Woot*

Date:

7 May 2010

Dean/Vice Chancellor:

*Deann L. Hart*

Date:

5/19/2010

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

*John Schauburger*

Date:

6/11/2010

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

### ***Summary of Changes and Rationale for the BS in Oceanography:***

The School of Oceanography needs to change some of our departmental requirements following our move into the College of the Environment and to reflect changes in our course offerings over the past several years. We propose the following changes:

1. Allow 2 different introductory math series (MATH 124, MATH 125, MATH 126 or QSCI 291, SQCI 292, QSCI 381;). Currently only the MATH 124, MATH 125, MATH 126 series is allowed. *About half our majors are interested in specializing in Biological Oceanography, thus the Analysis for Biologists Series is appropriate for them.*
2. Allow either the calculus based or algebra based physics series (currently the calculus based series is required). *This follows from (1). Students who do not take calculus will need the algebra based physics.*
3. Change the requirement for OCEAN 442 to any 3-credit 400 level OCEAN course. *OCEAN 442 Oceanography of Puget Sound was designed to prepare students for their capstone research conducted in local waters. In recent years we have had the opportunity to conduct capstone cruises in all parts of the global ocean, and OCEAN 442 has only been offered intermittently. We have begun discussions about the revision of the capstone course as part of a larger curriculum review to be completed in 2010-2011. In the meantime adjusting this requirement brings our requirements in line with current practice.*
4. Change the requirement from one of the following: OCEAN 401, OCEAN 411, OCEAN 421, OCEAN 431 to any 3-credit 400 level OCEAN course. *The special topics courses were designed to provide advanced coursework in our 4 options (biology, chemistry, physics, marine geology). In practice, some are rarely offered, while others have developed into specific courses that have different numbers. Thus the change increases student flexibility and fulfils the same spirit as the original requirement.*
5. Require either ESS 210, ESS 211, or ESS 212 to fulfill the lower division earth sciences requirement. Currently ESS 210 or ESS 101 is accepted. *ESS 101 is intended for non-science majors, thus a course from the 200 level series is more appropriate for our students.*
6. Require BIOL 180, 200. Previously BIOL161 and BIOL 162 were also accepted. *This series is no longer offered. Also previously BIOL 220 was required with the BIOL 180, 200 series. This course will still be encouraged for our biological oceanographers, but not required of all students.*
7. Require OCEAN 201. *This 2-credit lab has been designed as a companion to our introductory lecture course OCEAN 200. OCEAN 201 uses experiential learning to reinforce concepts taught in OCEAN 200. Together they provide a 5-credit introduction to the discipline.*

8. Require 10 credits of VLPA. Previously 20 credits were required. *This change is part of our move into the College of the Environment.*
9. Allow a maximum of 6 graded credits of OCEAN 499 (Independent Research) to count towards elective credit required for the major. *Previously no limits were placed, because OCEAN 499 was also used for special topics courses. We have now created OCEAN 497 for rotating advanced special topics.*
10. Require a minimum of 2.0 grade in all required OCEAN classes. *A minimal mastery (as demonstrated by a grade of 2.0 or higher) of core concepts covered in these courses is necessary for the degree. This change also puts the OCEAN major in line with new peer units in the College of the Environment.*

***Current UW Catalog Copy for B.S. Requirements in the School of Oceanography:***

Graduation Requirements

Minimum 180 credits, to include the following:

1. MATH 124, MATH 125, MATH 126; CHEM 142, CHEM 152 (or CHEM 144, CHEM 154); PHYS 121, PHYS 122, PHYS 123; ESS ~~101~~ or 210; and ~~BIOL 161-BIOL 162~~ or BIOL 180, BIOL 200, ~~BIOL 220~~ (55-~~60~~ credits)
2. OCEAN 200, OCEAN 210, OCEAN 220 (taken for writing credit), OCEAN 400, OCEAN 410, OCEAN 420, OCEAN 430, ~~OCEAN 442~~, OCEAN 443, OCEAN 444 (taken for writing credit), ~~and one from the following: OCEAN 401, OCEAN 411, OCEAN 421, OCEAN 431~~ (39 credits)
3. 20 credits of upper-division science, mathematics, or engineering to be selected in the student's area of specialization in consultation with a faculty adviser (20 credits)
4. ~~20~~ credits of Visual, Literary, & Performing Arts and 20 credits of Individuals & Societies from the University Areas of Knowledge lists (~~40~~ credits)
5. 5 credits of English composition and 10 credits of W (writing) courses. 8 of the 10 credits of University-approved W (writing) courses are included within the curriculum, from courses noted in 2 above. (7 credits)
6. Free electives to bring credit total to minimum 180.

***Proposed UW Catalog Copy for B.S. Requirements in the School of Oceanography:***

*Suggested first and second-year courses: MATH 124, MATH 125, MATH 126 or Q SCI 291, Q SCI 292, and Q SCI 381; CHEM 142 and CHEM 152 or CHEM 144 and CHEM 154; BIOL 180 and BIOL 200; one of ESS 210, ESS 211, or ESS 212; PHYS 121, PHYS 122, and PHYS 123 or PHYS 114, PHSY 115, and PHYS 116; OCEAN 220; and English composition.*

## Graduation Requirements

### General Education Requirements:

1. 5 credits of English composition with a minimum grade of 2.0.
2. 10 credits of writing courses, including OCEAN 220 (3 credits) and OCEAN 444 (5 credits).
3. Quantitative and symbolic reasoning (10 credits): met by departmental requirements below.
4. Individuals & Societies: (20 credits) 10 of these credits must be taken "out-of-major," which is defined as courses that neither count toward the major requirements below nor have the prefix of the department from which the student is earning their degree (this includes co-listed courses.)
5. Visual, Literary, and Performing Arts: 10 credits
6. Natural World (20 credits) 10 of these credits must be taken "out-of-major," which is defined as courses that neither count toward the major requirements below nor have the prefix of the department from which the student is earning their degree (this includes co-listed courses.)

### Major Requirements

1. Foundational courses: PHYS 121, PHYS 122, PHYS 123 or **PHYS 114, PHYS 115, PHYS 116;** MATH 124, MATH 125, MATH 126 or **Q SCI 291, Q SCI 292, and Q SCI 381;** CHEM 142 and CHEM 152 or CHEM 144 and CHEM 154; BIOL 180 and BIOL 200; one of ESS 210, **ESS 211, or ESS 212;**
2. 35 credits: OCEAN 200, **OCEAN 201,** OCEAN 210, OCEAN 220, OCEAN 400, OCEAN 410, OCEAN 420, OCEAN 430, OCEAN 443, OCEAN 444.
3. 6 credits of **400 level Oceanography coursework to be selected in the student's area of specialization in consultation with a faculty adviser [6 credits]**
4. 20 credits of upper-division science, mathematics, or engineering to be selected in the student's area of specialization in consultation with a faculty adviser.
5. Free electives to bring credit total to minimum 180.
6. **Minimum grade of 2.0 in all required OCEAN courses.**

## **Continuation Policy for the Oceanography Major**

This document clarifies what constitutes satisfactory progress towards degree for undergraduate students in the Bachelor of Science degree program within the School of Oceanography. While the University has regulations governing scholastic eligibility for continuance<sup>1</sup>, the School of Oceanography seeks additional requirements in order to make the best use of the limited facilities and resources available and to provide reasonable assurance for academic success. The following will apply to all students in the Bachelor of Science in Oceanography program. Students are encouraged to frequently review their academic progress and may request an evaluation from the Office of Student and Academic Services at any time.

### **Basic Criteria for Satisfactory Progress:**

1. **Students are expected to make satisfactory progress towards the attainment of the degree.** Under normal circumstances, an Oceanography major attending full-time would be considered making satisfactory progress if s/he is taking on-program coursework after declaring the major. Lack of academic progress may be evidenced by low scholarship, failure to enroll in or complete major prerequisites or requirements as well as excessive course repeats, course drops, or University withdrawals and cancellations.
2. **Students must earn a numerical grade of 2.0 or above in each required Oceanography class** (Core courses and capstone: Ocean 200,201, 210, 220, 400,410,420,430,443, 444).
3. **No courses used to satisfy any major requirements may be taken on a satisfactory/non-satisfactory basis.**
4. **Students must maintain a minimum cumulative GPA of 2.00, and thereby avoid appearing on the University's Low Scholarship list<sup>2</sup>.**

### **Conditions Warranting Recommendation to Alter a Student's Standing:**

The Office of Student and Academic Services will review the performance of undergraduate students after each quarter. If a student fails to meet the general expectations of satisfactory progress outlined above in any quarter in the program, the following actions will be invoked.

Students will be notified of academic warning, probation, or dismissal by email as soon as practicable after review of the previous quarter's grade reports. Failure to meet one or more of the general expectations of satisfactory progress may also result in the following actions.

#### **Warning**

The warning letter will be issued to Oceanography majors who do not meet the general expectations of satisfactory progress in the program (criteria 1). Students who receive the warning letter should meet with the Office of Student and

Academic Services within three weeks of receiving the warning letter to discuss any difficulties impacting the student's academic performance and to resolve problems to avoid probation.

### **Probation for the Major**

Students may be placed on probation for the following reasons:

If a student has received a warning letter for lack of satisfactory progress in a prior quarter and continues to make unsatisfactory progress the following quarter. Once on probation, the student is required to meet with the Office of Student and Academic Services by the third week of the following quarter to develop an educational plan. The student will remain on probation until a quarter is completed with satisfactory progress.

If any single grade for a core course required for the major is below 2.0, the student will be placed on probation and is required to meet with the Office of Student and Academic Services and the instructor of the course by the third week of the following quarter to develop an individualized educational plan to remove the deficiency. The student will remain on probation until the deficiency is removed.

If a student's cumulative GPA drops below 2.0, the student is required to meet with the Office of Student and Academic Services and Associate Director for Undergraduate Education by the third week of the following quarter to develop an individualized educational plan to improve academic progress. The student will remain on probation until cumulative GPA is above 2.0

In all cases students are strongly advised to discuss with the Office of Student and Academic Services any special circumstances that may be affecting their academic performance so that these matters may be taken into consideration and timely assistance may be provided, as appropriate.

### **Dismissal from the Major**

The student will be dismissed from the Oceanography major if, while on probation, the student fails to communicate with the Office of Student and Academic Services, or fails to meet one or more of the general expectations of satisfactory progress. The student will be notified in writing of the change in major status, and transferred to the College of Environment and coded as a pre-major or extended pre-major.

### **Appeal Procedures**

A student who has been placed on probation or has been dismissed from the major and believes that some facts in the student's documentation have been overlooked or



misinterpreted may request reconsideration of the probation or dismissal from the major by writing a letter to the Associate Director for Undergraduate Education. Included in the letter should be any additional information in support of the student or any other information that the student believes is relevant. In general, appeals to alter the student's status without evidence of new or additional information will not be considered. The Associate Director will make a recommendation to the Director of the School of Oceanography on whether or not academic probation should be considered for another quarter. The appeal must be made within 30 days of the notification of placement on probation or dismissal from the major. The Associate Director will make a recommendation to the Director's response to the appeal within 30 days.

**Footnotes**

1. Available on the web are the University's Satisfactory Progress and Low Scholarship policies.
2. Item 4 comes from the University policy on Low Scholarship.

**From:** [Gabrielle Rocap](#)  
**To:** [Jennifer A. Payne](#)  
**Cc:** [Michelle Townsend](#)  
**Subject:** Re: OCEAN 1503  
**Date:** Wednesday, June 09, 2010 3:25:13 AM

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Jennifer

The appropriate makeup will be determined on case by case basis by the instructor and the Associate director for undergraduate education. We will take into account factors such as projected year of graduation of student, reasons for low grade (uniform poor quality of performance in course vs erratic performance (some fine grades avg'd with many zeros...), and any other extenuating circumstances.

Makeup could include

- retaking the original course the following year (ie--if performance is significantly below 2.0 and the student is a junior)
- taking a substitute course that offers some equivalent material
- individual makeup of assignments (ie if low grade due to numerous missed assignments averaged with otherwise acceptable performance)

Do I need to spell this out more clearly in our continuation policy?  
Gabrielle

On Jun 2, 2010, at 10:19 AM, Jennifer A. Payne wrote:

- > Do students who do not get a 2.0 have to retake the courses or do
- > they take substitute courses if the original courses are not offered
- > until the following year?
- >
- > Jennifer
- >
- > -----Original Message-----
- > From: Gabrielle Rocap [<mailto:rocap@ocean.washington.edu>]
- > Sent: Friday, May 28, 2010 7:45 AM
- > To: Michelle Townsend
- > Cc: Jennifer A. Payne
- > Subject: Re: OCEAN 1503
- >
- > Hi Jennifer
- > Here is our continuation policy. I'm also attached the word document
- > for our 1503 and supplemental info-Michelle said you were going to
- > add the appropriate wording about the College of the Environment out
- > of major gen ed requirements to it.
- > Thanks
- > Gabrielle
- >
- > ~~~~~
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