

January 17, 2013

Interim Dean Robert C. Stacey  
College of Arts and Sciences  
Box 353765

Dear Bob:

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 both the Bachelor of Arts degree and the Bachelor of Science degree in Biology. A copy of the change is attached.

I am writing to inform you that the Department of Biology is authorized to specify these requirements beginning spring quarter 2013.

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,



Michael K. Young  
President

Enclosure

cc: Ms. Eileen O'Connor (with enclosure)  
Mr. Robert Corbett (with enclosure)  
Dr. Deborah H. Wiegand (with enclosure)  
Ms. Virjean Edwards (with enclosure BIOL-20121119)



UNIVERSITY OF WASHINGTON

CREATING AND CHANGING UNDERGRADUATE  
ACADEMIC PROGRAMS

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>

✓ 11-21-12 JS

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| BIOL-20121119   |

College/Campus A&amp;S / Seattle

Department/Unit Biology

Date 11/19/12

## 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 Biology within the Bachelor of Science and the Bachelor of Arts.
- ☐ 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: 2013** \_\_

Contact Person: Eileen O'Connor

Phone: 3-9621

Email: eoc@uw.edu

Box: 355320

## 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).

Change the Mathematics requirement from:

3. QSCI 381 or STAT 311 and QSCI 482

To:

3. QSCI 381 or STAT 311 or BIOST 310 and QSCI 482

The department feels that this gives the students more flexibility while maintaining the math skills needed for their upper division Biology courses.

## 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:


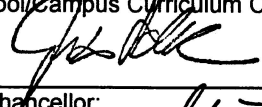

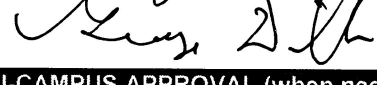
**CATALOG COPY**

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.

**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.

**APPROVALS**

|  |                      |
|--|----------------------|
| Chair/Program Director:<br>   | Date:<br>20 Nov 2012 |
| College/School/Campus Curriculum Committee:<br>   | Date:<br>12/3/2012   |
| Dean/Vice Chancellor:<br>   | Date:<br>12/3/2012   |
| Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:<br> | Date:<br>1/11/2012   |
| <b>POST TRI-CAMPUS APPROVAL (when needed)</b>  |                      |
| Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:  | Date:                |

## **Current Catalog Copy**

### **Bachelor of Science**

*Suggested First- and Second-Year Courses:* Students should concentrate on general chemistry and mathematics the first year, biology and organic chemistry the second year (see major requirements for specific courses). Transfer students: complete an entire sequence at one school if possible. It is not necessary, or even desirable, to complete the Areas of Knowledge requirement during the first two years.

#### ***Department Admission Requirements***

BIOL 180 with a minimum grade of 2.5; or BIOL 180, BIOL 200, BIOL 220 (or full transfer equivalent) with a cumulative GPA of 2.00 for the three courses. A minimum cumulative GPA of 2.00 is required for all courses which would apply toward major requirements (this includes all applicable chemistry, physics, mathematics, quantitative science, and introductory biological science courses).

#### ***Major Requirements***

90 credits as follows:

1. For all options the following basic coursework is required:
  - a. A one-year sequence of introductory biology for majors (BIOL 180, BIOL 200, BIOL 220)
  - b. Three to six quarters of chemistry, covering general and organic chemistry: CHEM 120, CHEM 220, and CHEM 221; or CHEM 142, CHEM 152, CHEM 223, and CHEM 224; or CHEM 142, CHEM 152, CHEM 162\* and CHEM 237, CHEM 238, and CHEM 239
  - c. Two quarters of mathematics (calculus or statistics): MATH 124 and MATH 125, or MATH 144 and MATH 145, or Q SCI 291 and Q SCI 292, or Q SCI 381 (or STAT 311) and Q SCI 482
  - d. Two quarters of physics: PHYS 114 and PHYS 115, or PHYS 121 and PHYS 122
  - e. GENOME 371
  - f. Natural history/biodiversity: one course selected from approved list (3 credits)
  - g. *Option Requirement:* 300- and 400-level courses selected from lists specific to each option. See department website for additional information. (34 credits)



\*CHEM 162 is not required for this degree; however, CHEM 237, CHEM 238, and CHEM 239 are required by many professional programs and graduate schools, and that sequence does require CHEM 162.

2. *Additional Degree Requirements:*

- a. Minimum 2.00 cumulative GPA for all UW courses applied toward major requirements, including required supporting courses (chemistry, physics, mathematics), introductory biology, and upper-division coursework. (A grade of 2.0 is not required in individual courses.)
- b. Minimum 15 credits of 400-level biology electives taken at the UW.
- c. Two 300- or 400-level laboratory courses

Because of the differing specific requirements and choices for each option, it is extremely important for students to work closely with the Biology departmental advisers to insure completion of these 22-25 credits.

## Proposed

### Bachelor of Science

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90 credits as follows:

1. For all options the following basic coursework is required:
  - a. A one-year sequence of introductory biology for majors (BIOL 180, BIOL 200, BIOL 220)
  - b. Three to six quarters of chemistry, covering general and organic chemistry: CHEM 120, CHEM 220, and CHEM 221; or CHEM 142, CHEM 152, CHEM 223, and CHEM 224; or CHEM 142, CHEM 152, CHEM 162\* and CHEM 237, CHEM 238, and CHEM 239
  - c. Two quarters of mathematics (calculus or statistics): either MATH 124 and MATH 125, MATH 144 and MATH 145, Q SCI 291 and Q SCI 292, or BIOST 310, Q SCI 381, or STAT 311 and Q SCI 482
  - d. Two quarters of physics: PHYS 114 and PHYS 115, or PHYS 121 and PHYS 122
  - e. GENOME 371
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