



UNIVERSITY of WASHINGTON

Michael K. Young
President

February 14, 2014

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 changes is attached.

I am writing to inform you that the Department of Biology is authorized to specify these requirements beginning spring 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. Eileen O'Connor (with enclosure)
Mr. Robert Corbett (with enclosure)
Ms. Virjean Edwards (with enclosure)



UNIVERSITY OF WASHINGTON
CREATING AND CHANGING UNDERGRADUATE
ACADEMIC PROGRAMS

JAN 8 3 2014
OFFICE USE ONLY
Control # Biol-20131108

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 Arts & Science / Seattle	Department/Unit Biology	Date 11/8/2013
New Programs <input type="checkbox"/> Leading to a Bachelor of ____ in ____ degree. <input type="checkbox"/> Leading to a Bachelor of ____ degree with a major in ____. <input type="checkbox"/> Leading to a ____ Option within the existing major in ____. <input type="checkbox"/> Leading to a minor in ____		
Changes to Existing Programs <input type="checkbox"/> New Admission Requirements for the Major in ____ within the Bachelor of ____. <input type="checkbox"/> Revised Admission Requirements for the Major in ____ within the Bachelor of ____. <input checked="" type="checkbox"/> Revised Program Requirements for the Major in <u>Biology</u> within the Bachelor of <u>Science and Arts</u> . <input type="checkbox"/> Revised Requirements for the Option in ____ within the major in ____. <input type="checkbox"/> Revised Requirements for the Minor in ____.		
Other Changes <input type="checkbox"/> Change name of program from ____ to ____. <input type="checkbox"/> New or Revised Continuation Policy for ____. <input type="checkbox"/> Eliminate program in ____.		

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

Contact Person: Eileen O'Connor	Phone: 3-9621	Email: eoc@uw.edu	Box: 355320
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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).

Genome Sciences has instituted a second general genetics course, Genome 361 which the Dept of Biology feels has sufficient depth to meet our requirement for an upper level genetics course.

We are already accepting this additional course, so this change can go into effect immediately.

* Genetics is a requirement for BA, so correcting catalog to reflect that.

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.

1. For all options the following basic coursework is required:

e. GENOME 371

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.

1. For all options the following basic coursework is required:

e. GENOME 361 or GENOME 371 .

See attached

APPROVALS

Chair/Program Director:

Date:

8 Nov 2013

College/School/Campus Curriculum Committee:

Date:

12/17/13

Dean/Vice Chancellor:

Date:

12/17/13

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

Date:

2/7/2014

PGST TRI-CAMPUS APPROVAL (when needed)

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

Date:

Current:

Bachelor of Arts

Suggested First- and Second-Year College Courses: Same as for the Bachelor of Science degree as described below, except no physics or third quarter of organic chemistry is required.

Department Admission Requirements

Same as for the Bachelor of Science degree as described below.

Major Requirements

90 credits as follows:

1. Introductory biology, three to six quarters of chemistry, and mathematics are the same as required by the BS, listed below. However, physics is not required and the remaining 36 upper-division elective credits may be chosen from any biology course or any courses on the electives lists from the six options for the BS degree.
2. *Additional Degree Requirements*
 - a. Minimum 15 credits of 400-level biology electives taken at the UW.
 - b. Minimum GPA requirements same as for a BS

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): either MATH 124 and MATH 125, or MATH 144 and MATH 145, Q SCI 291 and Q SCI 292, or BIOS 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
 - 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 Arts

Suggested First- and Second-Year College Courses: Same as for the Bachelor of Science degree as described below, except no physics or third quarter of organic chemistry is required.

Department Admission Requirements

Same as for the Bachelor of Science degree as described below.

Major Requirements

90 credits as follows:

1. Introductory biology, three to six quarters of chemistry, mathematics, and genetics are the same as required by the BS, listed below. However, physics is not required and the remaining 36 upper-division elective credits may be chosen from any biology course or any courses on the electives lists from the six options for the BS degree.
2. *Additional Degree Requirements*
 - a. Minimum 15 credits of 400-level biology electives taken at the UW.
 - b. Minimum GPA requirements same as for a BS

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): either MATH 124 and MATH 125, or 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. Genetics: either GENOME 361, GENOME 371, or BIOL 340/FISH 340.
 - 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.

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