**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.

<table>
<thead>
<tr>
<th>COLLEGE (check one):</th>
<th>Arts and Sciences</th>
<th>Business</th>
<th>Education</th>
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<tbody>
<tr>
<td>Proposal Submitted By:</td>
<td>Andrew Dolby</td>
<td>Date Prepared: 10/07/2015</td>
<td></td>
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<tr>
<td>Department /Program:</td>
<td>Biological Sciences</td>
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</tbody>
</table>

Note: for any program change entailing the addition any new courses, or revisions to existing courses, separate proposal for those course actions 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: 2016

**REQUIRED ATTACHMENTS FOR CHANGES TO EXISTING PROGRAMS:**
1. **Rationale statement** (Why is this program change needed? What purposes will it serve?)
2. **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 the program change are required.)
3. **Catalog Copy** (Provide the existing Catalog Description and the complete statement of the proposed new Catalog description that reflects the program changes)

**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*

*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)

Implementation Date (semester and year): [ ]

**REQUIRED ATTACHMENTS FOR NEW PROGRAMS NOT REQUIRING STATE APPROVAL:**
1. **Rationale statement** (Why is this additional program needed? What purposes will it serve?)
2. **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.)
3. **Catalog Copy** (Provide the complete Catalog Description for the proposed new program)

Department Chair Approval: Andrew Dolby  Date: 10/07/2015

CCC Chair Approval: Dawn Bowen  Date: 10/21/15

Dean Approval: Richard Finkelstein raised no concerns  Date: 10/23/15

UCC Chair Approval: Patricia Reynolds  Date: 11/9/2015

*Provost Approval:  Date: __________

*Required only in cases of proposals for new concentrations, new minors, or new majors that do not involve a new degree

Program Change Proposal Cover Sheet (July 2013)
Rationale:

1) The Department of Biological Sciences would like to add a new course to its offerings, BIOL 472, which if approved, could be taken by students to fulfill the biology major’s Research Intensive requirement. The proposal for BIOL 472 is currently under review by the University Curriculum Committee. If it ultimately clears the full curriculum approval process, it will need to be listed among the courses that fulfill the Research Intensive requirement in the Academic Catalog (within the section that describes the biology major’s requirements). We intend for BIOL 472 to replace BIOL 471 as the course number for all experimental Research Intensive courses. BIOL 471A1 and BIOL 471A2 would not be offered again after the 2015-2016 academic year. Therefore, BIOL 471A1 and 471A2 could be removed from the list of courses in the Academic Catalog that fulfill the Research Intensive requirement. Again, these changes are contingent upon approval of BIOL 472 by the University Curriculum Committee and University Faculty Council.

Impact:

2) This proposed Academic Catalog change would have no impact on library, IT, departmental, college, or university resources.

Existing Catalog Copy:

Requirements for the Biology Major
Forty credits (40) in Biology. These must include BIOL 132 or 126, 210, 260, 340, 341, and 451; 2 laboratory courses, one designated Research Intensive (BIOL 302, 412, 427, 430, 432, 471A1, 471A2, 491), and certain other 471 courses; and 14 other credits in BIOL major courses. CHEM 317 counts as an elective in the Biology major.

BIOL 121, 132, or BIOL 125, 126, and CHEM 111, 112 are prerequisites for the biology major’s core curriculum and should be taken in the student’s first year. The core courses of BIOL 210, 260, 340 and 341 are also prerequisites for various upper-level courses, and should be completed during the second year. All graduating students must participate in the assessment of the major.

Proposed Catalog Copy:

Requirements for the Biology Major
Forty credits (40) in Biology. These must include BIOL 132 or 126, 210, 260, 340, 341, and 451; 2 laboratory courses, one designated Research Intensive (BIOL 302, 412, 427, 430, 432, 472, and 491); and 14 other credits in BIOL major courses. CHEM 317 counts as an elective in the Biology major.

BIOL 121, 132, or BIOL 125, 126, and CHEM 111, 112 are prerequisites for the biology major’s core curriculum and should be taken in the student’s first year. The core courses of BIOL 210, 260, 340 and 341 are also prerequisites for various upper-level courses, and should be completed during the second year. All graduating students must participate in the assessment of the major.