Program Change Proposal Cover Sheet (July 2013)

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>X</th>
<th>Business</th>
<th>Education</th>
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<tbody>
<tr>
<td>Proposal Submitted By:</td>
<td>Karen Anewalt</td>
<td>Date Prepared:</td>
<td>11/01/2014</td>
<td></td>
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<tr>
<td>Department /Program:</td>
<td>Computer Science</td>
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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
- 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 | Fall 2015
| Implementation Date: | FALL semester, year: |

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* | Name:

*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)

Jennifer Polack
Department Chair Approval: | Date: |
CCC Chair Approval: | Dawn S. Bowen | Date: |
Dean Approval: | Date: |
UCC Chair Approval: | Date: |

*Provost Approval: Date: |

*Required only in cases of proposals for new concentrations, new minors, or new majors that do not involve a new degree
4. **Rationale statement** (Why is this program change needed? What purposes will it serve?)

This proposal stems from the proposed changes to the Computer Science major (proposed in a separate document). The department proposes to reorder the content of its programming course sequence. Our current programming sequence is:

- CPSC 220 Programming and Problem Solving
- CPSC 230 Data Structures
- CPSC 330 Object-Oriented Analysis and Design

We are proposing to change the order to provide a more natural progression of programming topics and to better serve students. We are proposing that we teach the Object-Oriented Analysis and Design content before the Data Structures content. The proposed programming sequence will become:

- CPSC 220 Programming and Problem Solving
- CPSC 240 Object-Oriented Analysis and Design
- CPSC 340 Data Structures

This proposed change in course numbering and content impacts the requirements for the Computer Science minor. The current minor requires two courses from the introductory programming sequence, thus forming the foundation for future study within the discipline. The minor also provides a choice of three additional CPSC courses numbered 300 or higher and requires one 3-credit CPSC course at the 100 level. Our intention is to keep the same model for the minor if the changes to the major are approved. Thus the new minor requirements will become:

- Any Computer Science course, of at least 3-credits, numbered 100 or higher
- CPSC 220 Programming and Problem Solving
- CPSC 240 Object-Oriented Analysis and Design
- And any (3) Computer Science courses numbered 300 or above, for a total of at least 9 credits.

5. **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.)

This change will have no impact on department resources. All of the required courses will be offered on a regular basis, just as they are now.

6. **Catalog Copy** (Provide the *existing* Catalog Description and the complete statement of the *proposed* new Catalog description that reflects the program changes)

**Current Catalog Description**

**Computer Science Minor Requirements (20 credits)**

Any Computer Science course, of at least 3 credits, numbered 100 or higher; Computer Science 220 and 230; any three (3) Computer Science courses numbered 300 or above, for a total of at least 9 credits.

**Proposed Catalog Description**

**Computer Science Minor Requirements (20 credits)**

Any Computer Science course, of at least 3 credits, numbered 100 or higher; Computer Science 220 and 240; any three (3) Computer Science courses numbered 300 or above, for a total of at least 9 credits.