University of Wisconsin-Whitewater

Curriculum Proposal Form #4R

# **Change in or Deletion of an Existing Course**

Type of Action (check all that apply)

Pre-requisite Change

Add Cross-listing \*  Technological Literacy

Course Deletion  Title Change   
 Number Change  Writing Requirement

(other)

**Effective Term**:

**Current Course Number** (*subject area and 3-digit course number)*: COMPSCI 174   
**Cross-listing *(if applicable)***:

**New Course Number** (*subject area and 3-digit course number*):

**Cross-listing *(if applicable)***:

**\*If adding a cross-listing, include the following:**

Required in the major:   
  
Required in the minor:

Number of credits: Lab hours/week:    
  
Contact hours/week: Repeatable

**Current Course Title**: Introduction to C++

**New Course Title**:

**25-Character Abbreviation** *(if new title)*:

**Sponsor(s)**: Jonathan Kane

**Department(s):** Mathematical and Computer Sciences

**College(s):**

**List all programs that are affected by this change:**

Media Arts and Game Development major

If programs are listed above, will this change affect the Catalog and Advising Reports for those programs? If so, have Form 2's been submitted for each of those programs?

(Form 2 is necessary to provide updates to the Catalog and Advising Reports)

NA  Yes  They will be submitted in the future

Proposal Information: ([***Procedures for form #4R***](http://acadaff.uww.edu/UCC/Curriculum_Handbook_09/Procedures_form4R.docx))

1. **Detailed explanation of changes** (use FROM/TO format)

***FROM:***

PREREQUISITE: MATH 143 or MATH 153 or waiver into Calculus

***TO:***

PREREQUISITE: COMPSCI 171 and either MATH 152 or MATH 143 or Calculus placement, or consent of instructor.

## Justification for action

COMPSCI 174 is designed for students with some programming experience. Too many students are entering this course without a sufficient background in programming, and this has had a detrimental effect on the course. The prerequisite change will allow the instructor to limit enrollment to those students who have had the proper background.

This proposed change is designed primarily to direct students to the correct starting course in the Computer Science sequence and is not anticipated to result in an overall increase in demand for computer programming courses.  Making COMPSCI 171 a prerequisite course for 172 and 174 will likely increase the demand for COMPSCI 171. But those students who are looking for a beginning computer programming course to use for General Education will merely be forced to take COMPSCI 171 rather than the less appropriate COMPSCI 172 or 174. Thus, there should be a compensating lower demand for COMPSCI 172 and 174. There may be a few students who want to take more advanced Computer courses who will now need to take one more prerequisite, but most students who come to campus wanting an MCS major or a Computer Science minor will have had some preparatory work in High School, so they will be able to skip COMPSCI 171. Thus, we do not anticipate significant new demand for COMPSCI 171