

**UMBC UGC Change in Existing Course: CMSC 202H: Computer Science II for Majors**

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Proposed Effective Date: Fall 2012

	Name	Email	Phone	Dept
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Other Contact				

**COURSE INFORMATION:** (please provide all information in the "current" column, and only the information changing in the "proposed" column)

change		current	proposed
<input type="checkbox"/>	Course Number(s)	CMSC 202H	
<input type="checkbox"/>	Formal Title	Computer Science II for Majors (Honors)	
<input type="checkbox"/>	Transcript Title (≤24c)	Computer Science II	
<input type="checkbox"/>	Recommended Course Preparation		
<input checked="" type="checkbox"/>	Prerequisite	(CMSC 201 AND MATH 150) with a C or better	(CMSC 201 AND (MATH 150 OR 151 OR 152)) with a C or better
<input type="checkbox"/>	Credits	4	
<input type="checkbox"/>	Repeatable?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	Max. Total Credits	4	
<input type="checkbox"/>	Grading Method(s)	<input checked="" type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail	<input type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail

**CURRENT CATALOG DESCRIPTION:**

This course continues the student's development of programming and problem-solving skills by providing an introduction to object-oriented design and programming (OOP). The primary focus is on OOP principles and techniques, including encapsulation, composition, inheritance, and polymorphism. Other OOP topics such as exception handling, containers, and generic programming are also covered. This is the second course for students interested in pursuing further study in computer science.

**PROPOSED CATALOG DESCRIPTION:** (leave blank if no changes are being proposed to the catalog description. NOTE: information about prerequisites should NOT appear in the catalog description.)

**RATIONALE FOR CHANGE:**

Some students go straight into MATH 151 or 152, and are blocked from taking CMSC 202 without manual exemption. Any of MATH 150 or 151 or 152 provides sufficient background for this course. This change would adjust the automatic prerequisite checking to the actual practice for this course.