

**UMBC UGC Change in Existing Course: CMSC 201: Computer Science I for Majors**

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Proposed Effective Date: Fall 2012

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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 201	
<input type="checkbox"/>	Formal Title	Computer Science I for Majors	
<input type="checkbox"/>	Transcript Title (≤24c)	Computer Science I	
<input type="checkbox"/>	Recommended Course Preparation		
<input checked="" type="checkbox"/>	Prerequisite	MATH 150 with a C or better	(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:**

An introduction to computer science through problem solving and computer programming. Programming techniques covered by this course include modularity, abstraction, top-down design, specifications documentation, debugging and testing. The core material for this course includes control structures, functions, lists, strings, abstract data types, file I/O, and recursion. It is assumed that students already know the basics of a modern highlevel language such as Java, Python, or C (expressions, basic data types, arrays/lists, and control structures).

**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 201 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.