

UMBC UGC New Course Request: IS 479: Cybersecurity Project

Date Submitted: 12/15/15

Proposed Effective Date: Fall 2016

	Name	Email	Phone	Dept
Dept Chair or UPD	Carolyn Seaman	cseaman@umbc.edu	53937	IS
Other Contact	Vandana Janeja	vjaneja@umbc.edu	56238	IS

COURSE INFORMATION:

Course Number(s)	IS 479
Formal Title	Cybersecurity Project
Transcript Title (≤30c)	Cybersecurity Project
Recommended Course Preparation	
Prerequisite NOTE: Unless otherwise indicated, a prerequisite is assumed to be passed with a "D" or better.	
Credits	3
Repeatable?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Max. Total Credits	3 This should be equal to the number of credits for courses that cannot be repeated for credit. For courses that may be repeated for credit, enter the maximum total number of credits a student can receive from this course. E.g., enter 6 credits for a 3 credit course that may be taken a second time for credit, but not for a third time. Please note that this does NOT refer to how many times a class may be retaken for a higher grade.
Grading Method(s)	<input checked="" type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail

PROPOSED CATALOG DESCRIPTION (no longer than 75 words):

This course provides the opportunity for IS majors, particularly those enrolled in the Cybersecurity Informatics certificate program, to synthesize material learned in previous coursework by applying it to a cybersecurity-related project related to the student's interests. It is open to IS majors by permission of the department. It consists of an independent study/research project, either individual or in a small group, directed by a faculty member.

RATIONALE FOR NEW COURSE:

- a) Why is there a need for this course at this time?
The IS department already has a similar senior project course, IS 469. The rationale for a second one for cybersecurity is to simplify administration of the proposed Cybersecurity Informatics certificate, for which a cybersecurity-related project fulfills one of the requirements. The new course, IS 479, will be similar in structure to our current senior project course.
- b) How often is the course likely to be taught?
Every semester
- c) How does this course fit into your department's curriculum?
This course is one of two that fulfills the cybersecurity "experience" requirement.
- d) What primary student population will the course serve?
Undergraduate IS majors declare the Cybersecurity Informatics certificate.
- e) Why is the course offered at the level (ie. 100, 200, 300, or 400 level) chosen?
It is upper-level, as is our current project course, and is numbered to be in sequence with other courses related to the Cybersecurity Informatics certificate.
- f) Explain the appropriateness of the recommended course preparation(s) and prerequisite(s).

The appropriate prerequisites for the course would depend on the particular project that a student engages in. Therefore, the course will be permission required with no specific prerequisites listed.

- g) Explain the reasoning behind the P/F or regular grading method.
This course is regular graded, as it is expected to have significant academic content.
- h) Provide a justification for the repeatability of the course.
This course is not repeatable.

ATTACH COURSE OUTLINE (mandatory):

No syllabus exists for this course, as its nature and structure changes with each project.