

UMBC UGC Program Changes & Other Request: Information Systems

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Proposed Effective Date: Fall 2020

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|-------------------|------------------|--|--------|------|
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Specifics (see instructions):

| | Current Certificate | Proposed Changes |
|--------------------------------------|---|--|
| Title | Web Development Certificate | User Experience, Web and Mobile Development Certificate |
| Description | <p>This upper division certificate will prepare students to combine elements of high level programming with content creation and computer interface design in order to achieve effective Web-based information systems.</p> <p>All upper level IS courses (numbered ≥ 300) used to satisfy this certificate must be taught through the IS department at UMBC.</p> | <p>This upper division certificate enables students to gain the knowledge and experience necessary to design, create and evaluate applications, through a combination of courses that address high level programming, web and mobile development, and user experience.</p> |
| Abbreviation Presented on Transcript | | UX, Web & Mobile Dev Cert |
| Courses (All with C or better) | <ul style="list-style-type: none">• IS 247—Computer Programming II (3 credits)• IS 303—Human Factors in Computer Systems Design (3 credits)• IS 403—User Interface Design (3 credits)• IS 413—GUI Systems Using Java (3 credits)• IS 448—Markup and Scripting Languages (3 credits) | |

Rationale (see instructions):

We are proposing an update to the name and description of the Web Development Certificate to better reflect the content covered in the courses needed for the certificate. For example, the certificate includes the courses IS303 and IS403 which are on user experience skills, but the current certificate name does not reflect this skill, thus, we are proposing the addition of the phrase 'User experience' to the certificate name. The course IS413 in the certificate covers mobile development but again, the topic is not reflected in the current certificate name; therefore, we are adding the phrase 'mobile' to the certificate name. The description is also being updated to reflect these skills and terms. In the courses for earning the certificate, high level programming is covered in IS247, user experience skills are taught in IS303 and IS403, and mobile and web development is covered in IS413 and IS448. No courses would change as part of this change.