UMBC UGC Program Changes & Other Request: Minor in Information Systems

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Specifics (see instructions):

Current IS Minor	Proposed IS Minor
The three required IS courses are: • IS 101 – Introduction to Computer-Based Systems **OR** COMP 101 – Computational Thinking and Design **OR** any IS upper-level elective. • IS 202 – Systems Analysis Methods • IS 300 – Management Information Systems The student may choose one of the following for the programming course: • IS 125 – Information Systems Logic & Structured Design **OR** IS 147 – Introduction to Computer Programming Plus two electives from the following list: • IS 303 – Human Factors in Computer System Design • IS 310 – Software and Hardware Concepts • IS 317 – Accounting Information Systems • IS 361 – Technology for Management of Aging Services • IS 320 – Advanced Business Applications • IS 325 – Introduction to Management Science • IS 350 – Business Communications Systems • IS 403 – User Interface Design • IS 430 – Information Systems and Security • IS 438 – Project Management • IS 460 – Health Care Informatics I • IS 461 – Health Care Informatics II	The two required IS courses are: • IS 202 – Systems Analysis Methods • IS 300 – Management Information Systems The student may choose one of the following for the programming course: • IS 125 – Information Systems Logic & Structured Design **OR** IS 147 – Introduction to Computer Programming OR IS296 – Foundations of Data Science Plus **three** electives from the following list: • IS 303 – Human Factors in Computer System Design • IS 310 – Software and Hardware Concepts • IS 317 – Accounting Information Systems • IS 361 – Technology for Management of Aging Services • IS 320 – Advanced Business Applications • IS 325 – Introduction to Management Science • IS 350 – Business Communications Systems • IS 403 – User Interface Design • IS 430 – Information Systems and Security • IS 438 – Project Management • IS 460 – Health Care Informatics I • IS 461 – Health Care Informatics II

Rationale (see instructions):

In a recent change to the BTA major, we removed IS101 from being a required course for the major. Since we plan to stop offering IS101 in the near future, we would like to make changes to the minor in which IS101 is currently a required course. We would like to remove IS101 from being a required course and instead allow students to take three electives instead of two to earn the minor. There are several options for electives for students taking the minor, so taking three electives instead of two should not be a problem.

Even currently if a student is not able to take IS101, we ask them to take an IS upper level elective in its place. We will continue to do that when IS101 is no longer offered.

We would also like to give the students the option of taking IS296 in the programming section of the minor, because IS296 is a new course that we are creating that includes Python programming and introduces students to data science with Python. So, IS296 is appropriate as a programming course option for IS minors.

There is no change in required number of credits.