

UMBC UGC Program Changes & Other Request: Quantitative Biology Minor

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Proposed Effective Date: Fall 2017

	Name	Email	Phone	Dept
Dept Chair	Philip Farabaugh	farabaug@umbc.edu	53018	BIOL
UPD	David Eisenmann	eisenman@umbc.edu	52256	BIOL
Other	Nichole Zang Do	Zang.do@umbc.edu	58071	BIOL

Specifics (see instructions):

Electives (current)

BIOL 312L
BIOL 303
BIOL 313
BIOL 442
BIOL 445
BIOL 483
BIOL 495

Column A elective (proposed)

BIOL 312L
BIOL 303
BIOL 313
BIOL 410
BIOL 415
BIOL 442
BIOL 445
BIOL 466
BIOL 483
BIOL 495

Rationale (see instructions):

We are adding three additional upper level elective courses that we believe are appropriate for students pursuing a minor in Quantitative Biology from the Biological Sciences department. All of these courses have a substantial math/quantitative/computer science component to them. These new elective courses are:

- BIOL 410 – Modeling in the Life Sciences
- BIOL 415 – Systems Biology
- BIOL 466 – Population Genetics

UMBC UGC Instructions for Program Changes & Other Request Form

Program Name: Enter the name of the program or the students affected by the proposal.

Date submitted: The date that the form will be submitted to the UGC.

Effective date: The semester that the request is effective, if approved. Students generally follow the program requirements in place when they matriculate at UMBC. Transfer students may be grandfathered. Thus, changes to program requirements usually only affect future students. Changes that affect current students should be labeled "retroactive."

Contact information: Provide the contact information of the chair of the department housing the course. If the course is not housed in a department, then the same information for the head of the appropriate academic unit. (See UGC Procedures.) If another faculty member should also be contacted for questions about the request and be notified about UGC actions on the request, include that person's contact information on the second line.

Specifics: For changes in program requirements, include a side-by-side comparison of the current requirements and the requested requirements so that the changes requested can be reviewed in context.

Rationale: Briefly explain the need for this proposal. For changes in program requirements, explain

- a) What are the major departures from the current structure and why is the new structure preferable?
- b) What provisions will be made to accommodate current students if courses are discontinued?
- c) If there is a change in required credits, please provide a specific justification for that change.

Letters of Support: If changes in program requirements involve courses from other programs or departments, letters of support from all departments and programs affected must be included in the proposal.

Note: the UGC form is a Microsoft Word form. You should be able to enter most of the information by tabbing through the fields. The document is protected. In the rare case that you need to unprotect the document, use the password 'ugcform'. Beware that you will lose all the data entered in the form's fields if you unlock and lock the document.