Action Requested:


Create New (SCHEV approval required except for minors) Inactivate Existing
Modify Existing (check all that apply)
 Degree Requirements
 Admission Standards/ Application Requirements Other Changes:

Type (Check one):


Ph.D.
Undergraduate Certificate*
Graduate Certificate*
Other:


Modify

| College/School: | COS | Dep | ment: | BIOLOG |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Submitted by: | Deborah Polayes | Ext: | 3-4543 |  | Email: | dpolayes@gmu.edu |

Effective Term: Fall 2015 Please note: For students to be admitted to a new degree, minor, certificate or concentration, the program must be fully approved, entered into Banner, and published in the University Catalog.

Justification: (attach separate document if necessary)
BIOL310 (5 credits) has been approved for the separation of the lecture (BIOL310 3 credits) and the laboratory (BIOL330 2 credits. A modification of the BIOL310 to reduce the credits to 3 and remove the lab and create a stand alone lab course for 2 credits (BIOL330) was approved this fall. The students still require both the lab and lecture for fulfilling the core requirement for Biodiversity.
The math requirement was change to remove MATH114 since students only need one semester math and if they have MATH114 they have by definition already taken MATH113. The MATH123/MATH124 series was added as a course to fulfill the math requirement for biology since it is an equivalent to the MATH 113.
For the Biopsychology concentration the number for credits in the concentration were changed (The original numbers were wrong). PYSC100 was removed so we could add in another biology course for the concentration. Added BIOL305/306 (Biology of Microorganisms lecture and lab), BIOL322/323 (Developmental biology lecture and lab) to give the students more options of courses to take. For Environmental and Conservation Biology, the courses were reorganized to clarify the requirements. The total number of credits required for biology electives is 16. Students need either 2 lab courses or 1 lab and one field course). BIOL379 (Ecological Sustainability), BIOL446 (Environmental Physiology), BIOL457 (Reproductive strategies) and BIOL480 (The Diversity of Fishes) were added to the electives list since they are appropriate for the concentration.

Program Title: (Required) Title must identify subject matter. Do not include name of college/school/dept. Concentration(s):

## Admissions Standards /

Application Requirements:
(Required only if different from those listed in the University Catalog)
Degree Requirements:
Consult University Catalog for models, attach separate document if necessary using track changes for modifications

Courses offered via distance: (if applicable)

TOTAL CREDITS REQUIRED:

| Existing | New/Modified |
| :---: | :--- |
| 2. Biopsychology | Removed Pysc100 and added BIOL305/306 and <br> BIOL322/323 <br> Added BIOL379. BIOL446, BIOL457 and <br> BIOL480 |
|  |  |
| 3. All Biology, BS Students: | BIOL310 3 credits <br> BIOL330 2 credits <br> BIOL310 5 credits <br> MATH 111, MATH113, MATH114 |
|  |  |

*For Certificates Only: Indicate whether students are able to pursue on a $\quad \square$ Full-time basis $\quad \square$ Part-time basis
Approval Signatures

| Department | Date | College/School | Date | Provost's Office <br> Required for Minors and Interdisciplinary Programs |
| :--- | :--- | :--- | :--- | :--- |

If this program may impact another unit or is in collaboration with another unit at Mason, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

| Unit Name | Unit Approval Name | Unit Approver's Signature | Date |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
|  |  |  |  |

## For Graduate Programs Only



## Program Proposal Submitted to the College of Science Curriculum Committee (COSCC)

The form above is processed by the Office of the University Registrar. This second page is for the COSCC's reference. Please complete the applicable portions of this page to clearly communicate what the form above is requesting.

## FOR ALL PROGRAMS (required)

Program Title: BS-Biology

Date of Departmental Approval:

## FOR INACTIVATED PROGRAMS (required if inactivating a program)

- Reason for Inactivation:

FOR MODIFIED PROGRAMS (required if modifying a program)

- Summary of the Modification: BIOL310 ( 5 credits) was split into the lecture (BIOL310 3 Credits) and the lab (BIOL330 2 credits). This will allow students who need to repeat the course to not have to take the lab again since they generally are successful in the lab and have problems with the lecture exams.
- MATH requirement was changed to still allow MATH111 and MATH113 but to remove MATH114 and substitute in MATH123 and MATH124 since these are equivalent to MATH113.
- For the Biopsychology concentration the number for credits in the concentration were changed (The original numbers were wrong). PYSC100 was removed so we could add in another biology course for the concentration. Added BIOL305/306 (Biology of Microorganisms lecture and lab), BIOL322/323 (Developmental biology lecture and lab) to give the students more options in courses to take.
- For Environmental and Conservation Biology, the courses were reorganized to clarify the requirements. The total number of credits required for biology electives is 16. Students need either 2 lab courses or 1 lab and one field course). BIOL379 (Ecological Sustainability), BIOL446 (Environmental Physiology), BIOL457 (Reproductive strategies) and BIOL480 (The Diversity of Fishes) were added to the electives list since they are appropriate for the concentration. The addition of these courses removes the requirement to write substitution waivers for these courses, since students have been taking the classes as electives already.
- Text before Modification (title, degree requirements, etc.):
- Text after Modification (title, degree requirements, etc.):
- Reason for the Modification:
- Additional courses were added to concentrations to give the students more options when taking the concentration
- Reason for the New Program:
- Relationship to Existing Programs:
- Relationship to Existing Courses:
- Semester of Initial Offering:
- Insert Tentative SCHEV Proposal Below

