

# **Program Approval Form**

For approval of new programs and deletions or modifications to an existing program.

Action Requested: Type (Check one):   Create New (SCHEV approval required except for minors) B.A. X B.S. Minor   Modify Existing (check all that apply) Title (SCHEV approval required except for minors) M.A. M.S. M.Ed.   X Concentration (Choose one): Add Delete X Modify   X Degree Requirements Admission Standards/ Application Requirements Other Changes: Other: Other:						Minor M.Ed. cate*			
College/School:	COS			Depar	tment:	BIOLOGY	,		
Submitted by:	Deborah Polay	res		Ext:	3-4543	2.02001	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 sin									
Existing						New/Modified			
Program Title: (Re Title must identify subjec include name of college/ Concentration(s):	quired) t matter. Do not school/dept.	1.	Biopsychology			Removed Pysc100 and added BIOL305/ BIOL322/323			L305/306 and
		2.	ESCB			Added BIOL BIOL480	_379. BIOL	446, BIOL45	7 and

	2. 1000	BIOL480
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	3. All Biology, BS Students: BIOL310 5 credits MATH 111, MATH113, MATH114	BIOL310 3 credits BIOL330 2 credits MATH111 or MATH113 or MATH123 and MATH124
Courses offered via distance: (if applicable)		
TOTAL CREDITS REQUIRED:		
*For Certificates Only: Indicate v	whether students are able to pursue on a	Full-time basis Part-time basis

## **Approval Signatures**

 College/School

Date

Date

Provost's Office Required for Minors and Interdisciplinary Programs

Date

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

Graduate Council Member	Provost Office		Graduate Counc	il Approval Date
For Registrar Office's Use Only: Received	Banner	Catalog		revised 6/7/12

## 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