

Please provide the following information when requesting a new major or minor (program or option) to be added to the curriculum. Only new majors, minors and options are assigned a new code and print on the diploma. The code will be assigned by the Office of the Registrar and a copy of this form will be sent to the appropriate department.

COLLEGE College of Science SITE(S) Main Campus

DEPARTMENT Biological Sciences CAMPUS(ES) \_\_\_\_\_

PROGRAM TO BE ADDED  Major or  Minor or  Option for B.S. Biological Sciences (existing degree program)

NOTE: Only Majors, Minors and Options receive new codes and print on the diploma.

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Associate of Arts (A.A.)              | <input type="checkbox"/> Executive Master of Business Administration (E.M.B.A.)    | <input type="checkbox"/> Educational Specialist (Ed.S.) |
| <input type="checkbox"/> Associate of Science (A.S.)           | <input type="checkbox"/> Master of Arts (M.A.)                                     | <input type="checkbox"/> Doctor of Education (Ed.D.)    |
| <input type="checkbox"/> Bachelor of Arts (B.A.)               | <input type="checkbox"/> Master of Arts in Teaching (M.A.T.)                       | <input type="checkbox"/> Doctor of Philosophy (Ph.D.)   |
| <input checked="" type="checkbox"/> Bachelor of Science (B.S.) | <input type="checkbox"/> Master of Business Administration (M.B.A.)                | <input type="checkbox"/> Doctor of Psychology (Psy.D.)  |
|  | <input type="checkbox"/> Master of Education (M.Ed.)                               | <input type="checkbox"/> Graduate Certificate           |
|  | <input type="checkbox"/> Master of Public Administration (M.P.A.)                  |   |
|  | <input type="checkbox"/> Master of Science (M.S.)                                  |   |
|  | <input type="checkbox"/> Master of Science in Aviation (M.S.A.)                    |   |
|  | <input type="checkbox"/> Professional Master of Business Administration (P.M.B.A.) |   |

OTHER ADDITION TO THE CURRICULUM (NOTE: Only Majors, Minors and Options receive new codes and print on the diploma.)

Concentration or  Specialization for \_\_\_\_\_ (existing degree program)

PROGRAM TITLE *Restricted to 30 characters, including spaces*

Conservation Bio and Ecology

TERM TO BE INITIATED Fall 2010 ADVISER FOR NEW PROGRAM Mark B. Bush

ROUTING APPROVALS: 1) Department head/program chair and college dean approve and sign form; 2) Provost approves business plan of the program in terms of financial viability and impact on the university mission, and signs form; 3) Undergraduate Curriculum Committee or Graduate Council approves academics and signs form; 4) Provost gives final approval of program, signs form and forwards to Office of the Registrar.

1) <u>Richard B. Aronson</u> <u>8/20/09</u> Department Head/Program Chair Date	3) _____ Chair, Graduate Council Date
<u>[Signature]</u> <u>8/20/09</u> Dean of Associate Dean Date	OR
2) <u>[Signature]</u> <u>8/21/09</u> Provost Date	Chair, Undergraduate Curriculum Committee Date
	4) _____ Provost Date

**REGISTRAR'S USE ONLY**

FSA ATLAS \_\_\_\_\_ SOAXREF \_\_\_\_\_ SMAPRLE \_\_\_\_\_  
 STVMAJR \_\_\_\_\_ SOACURR \_\_\_\_\_ Major Code Assigned \_\_\_\_\_  
 SAOXCUR \_\_\_\_\_ CIPC Code \_\_\_\_\_ Operator Initials/Date \_\_\_\_\_



Date: 18 August 2009

From: Mark B. Bush, Chair Ecology Program, Biological Sciences *MB*

Through: Richard Aronson, Department Head, Biological Sciences *RBC*

Through: Gordon Nelson, Dean, College of Science *GN*

Through: Ray Bonhomme, Senior Vice Provost

To: Mark Archambault, Chair, Undergraduate Curriculum Committee

Subject: New name for Ecology option in Biological Sciences & curriculum revision

We are requesting approval for a Major code to be assigned to 'Conservation Biology and Ecology' in Biological Sciences. This change does not require any new faculty lines. The purpose is to rename the 'Ecology' program to be more attractive to High School students. Despite being a strong program, and having a wonderful natural laboratory around us for ecological study, we have seldom recruited more than 2 students to the 'Ecology' program in the past decade. In consultation with Mr. Gary Hamme, we believe that by identifying conservation in the title of the program, many more High School students will identify this as a potential career path.

The 'Conservation Biology and Ecology' program will replace 'Ecology' and will feature a very similar syllabus (please see attached flow charts). The most significant difference is that two new courses are added in the senior year, both of which have already been approved by curriculum committee (Conservation Biology taught by Dr. Bush and Conservation Genetics taught by Dr. Pruett).

For the next four years students will be offered the option of graduating in 7021 (Ecology) or under 7xxx (Conservation Biology and Ecology). We believe that most students will willingly switch to the new option, and request that all future students are enrolled in 7xxx Conservation Biology and Ecology.

DEGREE: BIOLOGICAL SCIENCES/CONSERVATION BIOLOGY & ECOLOGY OPTION

STUDENT NAME: \_\_\_\_\_

CODE: 7029 CATALOG YEAR: 20xx-20yy

STUDENT NUMBER: \_\_\_\_\_

COURSE	CR	GRADE*	SUBSTITUTION	COURSE	CR	GRADE*	SUBSTITUTION
ASC-1000†	1			BIO-3410	4		
BIO-1010	4			BIO-3510	4		
CHM-1101	4			BIO-3701	3		
COM-1101	3			COM-2223	3		
MTH-1001	4			TOTAL	14		
TOTAL	16			JUNIOR YEAR: SPRING SEMESTER			
FRESHMAN YEAR: SPRING SEMESTER							
BIO-1020	4			BIO-4410	4		
CHM-1102	4			HUM ELEC	3		
COM-1102	3			BIO-4210	4		
MTH-1002	4			REST ELEC	3		
TOTAL	15			TECH ELEC	3		
SOPHOMORE YEAR: FALL SEMESTER							
BIO-2110	4			TOTAL	17		
CHM-2001	3			SUMMER SEMESTER			
CHM-2011	2			BIO-XXXX	3		FIELD ECOLOGY: BIO-
HUM-2051	3			TOTAL	3		
PHY-1001	4			SENIOR YEAR: FALL SEMESTER			
TOTAL	16			BIO-4030	3		Conservation Biology
SOPHOMORE YEAR: SPRING SEMESTER							
BIO-2801	4			BIO-4010	4		
CHM-2002	3			BIO-4517	4		
CHM-2012	2			REST ELEC§	4		
HUM-2052	3			TOTAL	15		
PHY-2002	4			SENIOR YEAR: SPRING SEMESTER			
TOTAL	16			BIO-4411	4		Conservation Genetics
SOPHOMORE YEAR: SPRING SEMESTER							
BIO-2801	4			FREE ELEC	3		
CHM-2002	3			LIB ARTS ELEC	3		
CHM-2012	2			REST ELEC§	4		
HUM-2052	3			SOC SCI ELEC	3		
PHY-2002	4			TOTAL	17		
TOTAL	16			TOTAL CREDITS REQUIRED: 129			

\*AP, advanced placement by testing, equivalency exam, etc.;  
 †Free Elective for exempted transfer students TC, transfer credit  
 §BIO/CHM/ENS/OCN

SIGNATURES: \_\_\_\_\_  
 Student: \_\_\_\_\_  
 Advisor: \_\_\_\_\_  
 Department Head: \_\_\_\_\_

REMARKS/EXTRA COURSES:  
 Bio 3210 Mammalian Physiology & 1 restricted elective  
 replaced by Bio 4030 & Bio 4411  
 Bio 4210 Moves from Senior yr to Junior yr (as in  
 Most other options)

DEGREE: BIOLOGICAL SCIENCES/ECOLOGY OPTION

STUDENT NAME: \_\_\_\_\_

CODE: 7021

CATALOG YEAR: 2008-2009

STUDENT NUMBER: \_\_\_\_\_

COURSE	CR	GRADE*	SUBSTITUTION	COURSE	CR	GRADE*	SUBSTITUTION
FRESHMAN YEAR: FALL SEMESTER				JUNIOR YEAR: FALL SEMESTER			
ASC-1000†	1			BIO-3410	4		
BIO-1010	4			BIO-3510	4		
CHM-1101	4			BIO-3701	3		
COM-1101	3			COM-2223	3		
MTH-1001	4			TOTAL	14		
TOTAL	16			JUNIOR YEAR: SPRING SEMESTER			
FRESHMAN YEAR: SPRING SEMESTER				SUMMER SEMESTER			
BIO-1020	4			BIO-XXXX	3		FIELD ECOLOGY: BIO-
CHM-1102	4			TOTAL	3		
COM-1102	3			SENIOR YEAR: FALL SEMESTER			
MTH-1002	4			BIO-3210	4		<i>Not required in new prog</i>
TOTAL	15			BIO-4010	4		
SOPHOMORE YEAR: FALL SEMESTER				BIO-4517	4		
BIO-2110	4			REST ELEC\$	3		
CHM-2001	3			TOTAL	15		
CHM-2011	2			SENIOR YEAR: SPRING SEMESTER			
HUM-2051	3			BIO-4210	4		<i>Months in junior yr</i>
PHY-1001	4			FREE ELEC	3		
TOTAL	16			LIB ARTS ELEC	3		
SOPHOMORE YEAR: SPRING SEMESTER				REST ELEC\$	4		
BIO-2801	4			SOC SCI ELEC	3		
CHM-2002	3			TOTAL	17		
CHM-2012	2			TOTAL CREDITS REQUIRED: 129			
HUM-2052	3			SIGNATURES:			
PHY-2002	4			Student: _____			
TOTAL	16			Advisor: _____			
				Department Head: _____			

\*AP, advanced placement by testing, equivalency exam, etc.;  
 †Free Elective for exempted transfer students TC, transfer credit  
 \$BIO/CHM/ENS/OCN

REMARKS/EXTRA COURSES: \_\_\_\_\_