

Approval Chart for Curriculum Changes

A = Approve I = Information Item¹ R = Advise & Respond²

BIOL BS: Wildlife Biology Track

Course Number _____ or Degree Plan(s) (BIOW) _____

State the requested change and reason. A memo may be attached if more space is necessary.

See attached memo.

Delete BIOA 362 - Environmental Applications for Geographic Information Systems.
Replace with ENVR 241 - Geographic Information Systems.

Circle the number that corresponds to the requested change. Degree plan changes are on the second page.

				COUNCIL ³						
	Change to a Course	Dept./School	College Academic	Deans	TEC	UGEC	UAC	GRAD	Provost	President
1.	Title (description unchanged)	A	A	A	I				I	I
2.	Description (not affecting content)	A	A	A	I				I	I
3.	Course term(s)	A	I	A	I				I	I
4.	Content (substantive change)	A	A	A	I				A	I
5.	Number of hours (lecture, lab, contact)	A	A	A	A				A	I
6.	Course number within the hundred	A	A	I	I				I	I
7.	Course number beyond the hundred	A	A	A	A				A	I
8.	Prerequisites	A	A	A	I				I	I
9.	Course fee(s)	A	--	A	--				A	I
10.	From U to G <i>or</i> G to U	A	A	A	A				A	I
11.	Cross list with another department: U or G level	A	A	A	A				A	I
12.	Department of record	A	A	A	A				A	I
13.	Open or close a course	A	A	A	A				A	I
14.	New course — See website for application and process. This change includes combining or splitting a course(s).	A	A	A	A				A	I

Note: When an academic unit does not have a council, the UGEC and/or UUAC will serve as its academic council, depending on the nature of the issue.

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		COUNCIL ³								President	Faculty	Provost	GRAD	UVAC	UGEC	TEC	Deans	College Academic	Dept./School	Change to a Degree Plan					
1.	University Requirements — Change in approved course content ⁶	A	A	A	A				A	--	A	--													
2.	University Requirements — Add or drop a required course from the University Requirements chart ⁶	A	A	A	A				A	A	A	--													
3.	University Requirements — Add or drop a course from a menu within the University Requirements ⁶	A	--	--	A				A	--	A	--													
4.	University Requirements — Change hours within a menu on the University Requirements chart ⁶	A	A	A	A				A	A	A	--													
5.	Major — Revision of major ^{4,5}	A	A	A	A				A	--	A	--													
6.	Major — Adopt or change admission requirements	A	A	A	A				A	--	A	--													
7.	Major — Add ^{4,5}	A	A	A	A				A	A	A	I													
8.	Major – Discontinue (proposed by the department or college)	A	A	A	A				A	A	A	I													
9.	Major – Discontinue (proposed by the Provost)	See below.																							
10.	GPA — Revise major or cumulative requirement	A	A	A	A				A	A	A	--													
11.	Minor — Revise course selection	A	A	A	I				I	--	I	--													
12.	Minor — Add	A	A	A	A				A	--	A	--													
13.	Minor – Discontinue (proposed by the department or college)	A	A	A	A				A	--	A	--													
14.	Minor – Discontinue (proposed by the Provost)	See below.																							
15.	Degree — Add	A	A	A	A				A	A	A	I													
16.	Degree – Discontinue (proposed by the department or college)	A	A	A	A				A	A	A	I													
17.	Degree – Discontinue (proposed by the Provost)	See below.																							
18.	Any change to a graduate degree program	A	A	A	A				A	--	A	--													

COUNCIL ³										
	Provost-Proposed Change	Provost	Department	Dean	TEC	UAC	Graduate	Faculty	President	Board of Trustees
1.	Major/Graduate Program – Discontinue (proposed by the Provost)	A	R	R	A			A	A	I
2.	Minor – Discontinue (proposed by the Provost)	A	R	R	A			--	A	--
3.	Degree – Discontinue (proposed by the Provost)	A	R	R	A			A	A	I

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COUNCIL ³										
	Change to the Catalog Information	Dept./School	College Academic	Deans	UGEC	UUAC	GRAD	Provost	Faculty	President
1.	General requirements for graduation including course requirements that are common to all majors for all degrees ⁷	--	--	--		A		A	A	A
2.	Admission requirements	--	--	--		A		A	A	A
3.	Policies governing academic probation and suspension	--	--	--		A		A	A	A
4.	Requirements for graduating with honors	--	--	--		A		A	A	A

¹ Councils may request additional information about "Information" items. These items are approved as "Consent Agenda."

² The Dean and Department should respond to the Provost's recommendation to close a program in writing. Advise & Respond (R) requires that the voting body should receive the written responses at least one week prior to the vote.

³ All courses that meet University Requirements for general education must go through UGEC. Courses or degrees offered only to students seeking teacher certification must go through the Teacher Education Council. All undergraduate changes must go before the UUAC. All graduate degree plan changes must go through the Graduate Council.

⁴ A minimum of 30 hours is required for a major. A maximum is specified for each degree (e.g., BA, BS). The university minimum for elective hours is 6, unless the requirements of external accrediting bodies make it impossible.

⁵ Program or course changes that apply to any major that includes Teacher Certification will be reviewed by the college, the Teacher Education Council (TEC), and then the UUAC.

⁶ Courses that satisfy ACU's University Requirements (General Education) will normally have lower-level numbering, be free of prerequisites and co-requisites, appeal to more than one or two majors, and "not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession" (SACS 2.7.3). Departments may request exceptions to the first three criteria.

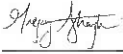
⁷ The UUAC approved the clarification that "general requirements for graduation" means the enumerated items in the "General Requirements for Bachelor's Degrees" section of the catalog.

Revised 8-26-19

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
<u>Jennifer Huddleston</u>	<u>03/23/21</u>
_____	Approval date
Signature	Approval date

College Academic Council(s)	
<u></u>	_____
Signature	Approval date
_____	Approval date
Signature	Approval date

Dean(s)	
<u></u>	_____
Signature	Approval date
_____	Approval date
Signature	Approval date

Teacher Education Council	
_____	_____
Chair's signature	Approval date

General Education Council	
_____	_____
Chair's signature	Approval date

Undergraduate Academic Council	
_____	_____
Chair's signature	Approval date

Graduate Council	
_____	_____
Chair's signature	Approval date

Provost	
_____	_____
Signature	Approval date

Faculty	
_____	_____
Chair of faculty senate	Approval date

President	
_____	_____
Signature	Approval date



MEMO

March 23, 2021

Dear College and University Councils and Registrar:

The Department of Biology is proposing to close all courses with a BIOA prefix. BIOA courses are offered only at Au Sable Institute of Environmental Studies in Mancelona, Michigan. ACU is among 50 colleges and universities, most in the CCCU, who partner together to contribute to this summer program that aspires to educate students to serve, protect, and restore God's earth. The courses in the summer program are taught by faculty from the partnering institutions. However, there is no ACU oversight to these courses and the instructors can often change. We are proposing to remove these BIOA courses from the catalog. This would not end our partnership with Au Sable nor the ability for our students to gain credit from taking the courses. We would like to incorporate these courses into a broader, experiential course that we will develop later.

The demand for these courses is low. Our most recent student went to Au Sable in 2016.

BIOA 362 is a required course for our Wildlife Biology track. We would replace this requirement with ENVR 241 Geographic Information Systems. The remainder of the BIOA courses are elective menu options throughout BIOL BA, BIOL BS, BIOT, and the Biology minor. All of the references to these courses should be deleted throughout the catalog.

The courses to be closed are:

- BIOA 302 - Lake Ecology and Management
- BIOA 311 - Field Botany
- BIOA 322 - Aquatic Biology
- BIOA 345 - Wildlife Ecology
- BIOA 362 - Environmental Applications for Geographic Information Systems
- BIOA 471 - Conservation Biology

Sincerely,

Jennifer R. Huddleston, Ph.D.
Chair of the Department of Biology

Biology, Wildlife Biology, BS (BIOL-BIOW)

BS: Biology Degree Plan (BIOL)

University Requirements

Please see the [University Requirements](#) section of this catalog.

Major Requirements

Biology

- [BIOL 121 - Introductory Biology I](#) Credit Hours: 3 *
- [BIOL 122 - Introductory Biology I Laboratory](#) Credit Hours: 1
- [BIOL 123 - Introductory Biology II](#) Credit Hours: 3
- [BIOL 124 - Introductory Biology II Laboratory](#) Credit Hours: 1
- [BIOL 351 - Genetics](#) Credit Hours: 3
- [BIOL 362 - Ecology](#) Credit Hours: 3
- [BIOL 497 - Seminar in Biology](#) Credit Hours: 3 (capstone and writing-intensive course)
-
- *Hours may also fulfill university requirements and are not included in total major hours

Total: 14 Credit Hours

Wildlife Biology Track (BIOW)

- [BIOL 345 - Range and Wildland Plants](#) Credit Hours: 2
- [BIOL 346 - Range and Wildland Plants Laboratory](#) Credit Hours: 1
- ~~[BIOA 362 - Environmental Applications for Geographic Information Systems](#) Credit Hours: 4 *~~
- ~~[ENVR 241 - Geographic Information Systems](#) Credit Hours: 4~~
- [BIOL 364 - Ecology Laboratory](#) Credit Hours: 1
- [BIOL 370 - Field Ornithology](#) Credit Hours: 4
- [BIOL 408 - General Mammalogy](#) Credit Hours: 3
- [BIOL 409 - General Mammalogy Laboratory](#) Credit Hours: 1
- [BIOL 483 - Biostatistics](#) Credit Hours: 3
-
- [BIOL 413 - Plant Systematics](#) Credit Hours: 3
- [BIOL 414 - Plant Systematics Laboratory](#) Credit Hours: 1
- or
- [BIOL 486 - Comparative Botany](#) Credit Hours: 3
- [BIOL 488 - Comparative Botany Laboratory](#) Credit Hours: 1

-
- [BIOL 487 - Comparative Zoology](#) Credit Hours: 3
- [BIOL 489 - Comparative Zoology Laboratory](#) Credit Hours: 1
-

~~*Course offered at Au Sable Institute. Travel to site required.~~

Total: 27 Credit Hours

Supplement for Major Chemistry

- [CHEM 133 - General Chemistry I](#) Credit Hours: 3 **
- [CHEM 131 - General Chemistry Laboratory I](#) Credit Hours: 1
-
- [CHEM 114 - Introductory Organic and Biological Chemistry](#) Credit Hours: 3
- or
- [CHEM 134 - General Chemistry II](#) Credit Hours: 3
-

**Hours may also fulfill university requirements and are not included in total major hours

Environmental Science

- [ENVR 233 - Soil Science](#) Credit Hours: 3
- [ENVR 410 - Environmental Law and Policy](#) Credit Hours: 3
- [ENVR 420 - Environmental Thought](#) Credit Hours: 3
- [ENVR 455 - Wildlife Ecology](#) Credit Hours: 4
- [ENVR 458 - Wildlife Management Techniques](#) Credit Hours: 3

Mathematics

- [MATH 123 - Elementary Statistics](#) Credit Hours: 3
-
- [MATH 131 - Calculus for Application](#) Credit Hours: 3 **
- or
- [MATH 185 - Calculus I](#) Credit Hours: 3 **
-

**Hours may also fulfill university requirements and are not included in total major hours

Other Requirements

- [ENGL 327 - Scientific and Technical Writing](#) Credit Hours: 3
- [POLS 225 - National Government](#) Credit Hours: 3 **
-

**Hours may also fulfill university requirements and are not included in total major hours.

Total: 26 Credit Hours

Electives

Minimum - 5 Credit Hours

Total Major Hours: 72

Other Graduation Requirements

Minimum GPA in major: 2.00

Minimum GPA for graduation: 2.00

Minimum advanced hours: 33

Minimum total hours: 128

*Courses numbered 0** do not count in minimum hours required for degree*