

Approval Chart for Curriculum Changes

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

Course Number _____ or Degree Plan(s) ENVR

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

See the attached memo.

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	UUAC	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	A
5.	Number of hours (lecture, lab, contact)	A	A	A	A				A	A
6.	Course number within the hundred	A	A	I	I				I	I
7.	Course number beyond the hundred	A	A	A	A				A	A
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	A
11.	Cross list with another department: U or G level	A	A	A	A				A	A
12.	Department of record	A	A	A	A				A	A
13.	Open or close a course	A	A	A	A				A	A
14.	New course — See website for application and process. This change includes combining or splitting a course(s).	A	A	A	A				A	A

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										
	Change to a Degree Plan	Dept./School	College Academic	Deans	TEC	UGEC	UUAC	GRAD	Provost	Faculty	President	Board of Trustees
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	UUAC	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
5.	Other academic policy changes	--	--	--	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.

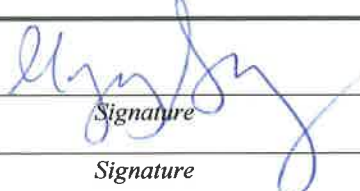
⁷ The UUAC approved the clarification that "general requirements for graduation" means the enumerated items in the "General Requirements for Bachelor's Degrees" section of the catalog.

Revised 3-8-17

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
 Signature	09/09/2019 Approval date
_____ Signature	_____ Approval date

College Academic Council(s)	
 Signature	11-15-19 Approval date
_____ Signature	_____ Approval date

Dean(s)	
 Signature	12/3/19 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

Justification for Curriculum Changes in ENVR Degree Plan

The current Environmental Science major has 4 tracks: Field Technology, Outdoor Studies, Politics and Public Policy, and Wildlife and Natural Resource Management. This large number of tracks and emphases reduces flexibility in the major and limits the ability of a student to switch tracks. Our goal with these changes is to simplify the major, increase its flexibility, and make it more relevant to today's job market. We propose consolidating these four tracks into two tracks: Wildlife and Natural Management (ENVW) and Environmental Sustainability (ENVS).

The modifications to the Wildlife and Natural Management (ENVW) track allows graduates of this track to meet Associate Wildlife Biologist (AWB) certification requirements.

Benefits of the revised degree plan include

1. A less confusing and intimidating selection of tracks.
2. Increased rigor in the environmental science major.
3. Students in the new Environmental Sustainability (ENVS) track will have more flexibility in upper level courses.
4. Students in the Wildlife and Natural Management track will graduate meeting all of the Associate Wildlife Biologist certification requirements.

The ENVS track leaves room for 7 elective hours. The ENVW track includes 4 elective hours.

The following documents include:

- Proposed curricular changes
- Current degree plans
- Proposed degree plans
- Course rotation and faculty load

Curriculum Changes for ENVR Degree Plan

Replace the Outdoor Studies, Field Technology, and Politics and Public Policy tracks in the catalog with a single Environmental Sustainability (ENVR-ES) track

Reason - The department is consolidating the 4 tracks in the Environmental Science major into 2 tracks. This will provide more flexibility to the major.

Remove AGRB 382 Agribusiness Management from the major requirements.

Reason - Lack of need for ENVR students.

Remove ENVR 320 Energy Resources from the major requirements.

Reason - Replaced with a proposed GIS class (ENVR 241). GIS is recognized as an essential skill in Env. Sci. The change helps the degree meet current needs in the field.

Replace ENVR 341 Water Resources and ENVR 354 Range Science with "Choose 1 from the following; ENVR 341 Water Resources or ENVR 354 Range Science"

Reasons - 1. Increases flexibility for students in ES track
2. Reduces core hours for ENVW students, needed so that they can meet certified associate wildlife biologist requirements.

Replace ENVR 345 – Range and Wildland Plants (3 hours) with ENVR 345 – Range and Wildland Plants (2 hours) and ENVR 346 – Range and Wildland Plants Laboratory (1 hour)

Reason – Biology is splitting the lecture and lab in the crosslisted course.

Add ENVR 241 Geographic Information Systems (proposed) to the Environmental Science Core

Reason - This course is replacing ENVR 320 (see above).

Add AENV 371 Experimental Designs and Data Analysis to the Environmental Science Core

Reason - In our analysis of our program, we have recognized that our students need these skills strengthened. Currently, none of our students are required to take this course.

Add ENGL 327 Scientific and Technical Writing to the ENVR Supplement for Major.

Reason - This course will strengthen writing skills of our graduates. This skill is widely recognized as important in the environmental sciences.

Change math requirements

From MATH 123 Elementary Statistics (ENVW, ENVO, ENVP), MATH 124 *or* MATH 185 (ENVF)

To MATH 123 Elementary Statistics *or* MATH 377 Statistical Methods I

Reason - Removal of ENVF track eliminates the need for need for calculus-based math of our majors. Understanding of statistics is essential in environmental sciences.

Change chemistry requirements

From CHEM 113 Introductory Chemistry *or* CHEM 133 General Chemistry I (ENVF)

To CHEM 113 *or* CHEM 133

Reason - Removal of ENVF track. Allows other tracks to take a higher level chemistry.

Social Science

Replace POLS 225 with “Choose one from the following; POLS 225, POLS 226, POLS 227.”

Reason – Allows more flexibility in the major. Any of these courses would meet the requirements of our major.

Effect on Hours

These changes will result in no changes to the total hours.

Curriculum Changes for ENVW track

Remove BIOL 221/223 or BIOL 222/224 from the options in the ENVW track

Reason: Biology removed these courses from its course offerings

Remove CHEM 111 and CHEM 112 from track

Reason – Neither labs nor hours are needed for Associate Wildlife Biologist certification.

Replace the “Choose 2 Courses” section in the track with BIOL 362 Ecology, BIOL 370 Field Ornithology, BIOL 408 Mammalogy, BIOL 409 Mammalogy Laboratory.

Reason – AWB certification requires a course in Mammalogy, ornithology, or herpetology as well as a second course in zoology. Ecology meets the AWB ecology requirement.

Add MATH 109 Precalculus I or MATH 131 Calculus for Application (3 hours) to the ENVW track.

Reason – Needed to meet the AWB quantitative Sciences requirement.

Change number of elective hours from 6 to 4

Reason – Balances changes made in the ENVR degree plan and ENVW track.

Proposed degree plans

Environmental Science, Environmental Sustainability, BS (ENVR-ENVS)

BS: Environmental Science Degree Plan (ENVR)

University Requirements

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

Major Requirements

Agricultural and Environmental Sciences Core

AENV 110 - Introduction to Agricultural and Environmental Systems and Technology Credit Hours: 3

AGRB 261 - Principles of Agricultural and Applied Economics Credit Hours: 3 *

ANSC 111 - General Animal Science Credit Hours: 3

ENVR 112 - Plant Science Credit Hours: 3

ENVR 233 - Soil Science Credit Hours: 3

Total: 12 Credit Hours

Environmental Science Core

AENV 371 – Experimental Designs and Data Analysis Credit Hours: 3

ENVR 241 – Geographic Information Systems Credit Hours: 3

ENVR 345 - Range and Wildland Plants Credit Hours: 2

ENVR 346 - Range and Wildland Plants Laboratory Credit Hours: 1

ENVR 350 - Rangeland Ecology Credit Hours: 3

ENVR 410 - Environmental Law and Policy Credit Hours: 3 (capstone course)

ENVR 420 - Environmental Thought Credit Hours: 3 (capstone and writing-intensive course) Choose one of the following two courses

ENVR 341 - Water Resources Credit Hours: 3

ENVR 354 - Range Science Credit Hours: 3

Total: 21 Credit Hours

Environmental Sustainability Track (ENVS)

ENVR 320 – Energy Resources Credit Hours: 3

Advanced selections from AENV or ENVR Credit Hours: 6

(300-499)

Choose a minimum of 15 hours from the following

CHEM 112 - Introductory Organic and Biological Chemistry Laboratory Credit Hours: 1

CHEM 114 - Introductory Organic and Biological Chemistry Credit Hours: 3

CHEM 134 - General Chemistry II Credit Hours: 3

CHEM 131 – General Chemistry I Laboratory Credit Hours: 1

CHEM 132 – General Chemistry II Laboratory Credit Hours: 1

CHEM 221/223 – Organic Chemistry I and Laboratory Credit Hours: 4

CHEM 322/324 - Organic Chemistry II and Laboratory Credit Hours: 4

CHEM 341 – Environmental Chemistry Credit Hours: 3

POLS 341 – American Public Policy Credit Hours: 3

POLS 345 – Comparative Public Policy Credit Hours: 3

POLS 360 – Politics of Developing Countries Credit Hours: 3

POLS 395 – Public Administration Credit Hours: 3

POLS 492 – American Political Thought Credit Hours: 3

POLS 494 – Public Administration Management Credit Hours: 3

Track Total: 24 Credit Hours

Supplement for Major

Social Science

Choose one from the following; Credit Hours: 3 *

POLS 225 - National Government ✖

POLS 226 - States and Federal System ✖

POLS 227 - Introduction to International Relations ✖

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

English

ENGL 327 - Scientific and Technical Writing Credit Hours: 3

Mathematics

MATH 123 - Elementary Statistics Credit Hours: 3 *

or

MATH 377 – Statistical Methods I Credit Hours: 3 *

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

Science Core

BIOL 112 - General Biology I Credit Hours: 3 *

BIOL 114 - General Biology I Laboratory Credit Hours: 1

BIOL 113 - General Biology II Credit Hours: 3

BIOL 115 - General Biology II Laboratory Credit Hours: 1

Choose either

CHEM 113 - Introductory Chemistry Credit Hours: 3*

or

CHEM 133 - General Chemistry I Credit Hours: 3*

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

Total Supplement Hours: 8

Electives

Minimum - 7 Credit Hours

Total Major Hours: 72

Environmental Science, Wildlife and Natural Resource Management, BS (ENVR-ENVW)

BS: Environmental Science Degree Plan (ENVR)

University Requirements

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

Major Requirements

Agricultural and Environmental Sciences Core

AENV 110 - Introduction to Agricultural and Environmental Systems and Technology Credit Hours: 3

AGRB 261 - Principles of Agricultural and Applied Economics Credit Hours: 3 *

ANSC 111 - General Animal Science Credit Hours: 3

ENVR 112 - Plant Science Credit Hours: 3

ENVR 233 - Soil Science Credit Hours: 3

Total: 12 Credit Hours

Environmental Science Core

AENV 371 – Experimental Designs and Data Analysis Credit Hours: 3

ENVR 241 – Geographic Information Systems Credit Hours: 3

ENVR 345 - Range and Wildland Plants Credit Hours: 2

ENVR 346 - Range and Wildland Plants Laboratory Credit Hours: 1

ENVR 350 - Rangeland Ecology Credit Hours: 3

ENVR 410 - Environmental Law and Policy Credit Hours: 3 (capstone course)

ENVR 420 - Environmental Thought Credit Hours: 3 (capstone and writing-intensive course)

Choose one of the following two courses

ENVR 341 - Water Resources Credit Hours: 3

ENVR 354 - Range Science Credit Hours: 3

Total: 21 Credit Hours

Wildlife and Natural Resource Management Track (ENVW)

ANSC 336 - Animal Nutrition Credit Hours: 3

BIOL 362 – Ecology Credit Hours: 3

BIOL 370 – Field Ornithology Credit Hours: 4

BIOL 408 - General Mammalogy Credit Hours: 3

BIOL 409 - General Mammalogy Laboratory Credit Hours: 1

Choose either

CHEM 114 - Introductory Organic and Biological Chemistry Credit Hours: 3 or

CHEM 134 - General Chemistry II Credit Hours: 3

ENVR 455 - Wildlife Ecology Credit Hours: 4

ENVR 458 - Wildlife Management Techniques Credit Hours: 3

Choose either

MATH 109 – Precalculus I Credit Hours: 3

or

MATH 131 – Calculus for Application Credit Hours: 3

Track Total: 27 Credit Hours

Supplement for Major

Social Science

Choose one from the following; Credit Hours: 3 *

POLS 225 - National Government ✕

POLS 226 - States and Federal System ✕

POLS 227 - Introduction to International Relations ✕

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

English

ENGL 327 - Scientific and Technical Writing Credit Hours: 3

Mathematics

MATH 123 - Elementary Statistics Credit Hours: 3 *

or

MATH 377 – Statistical Methods I Credit Hours: 3 *

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

Science Core

BIOL 112 - General Biology I Credit Hours: 3 *

BIOL 114 - General Biology I Laboratory Credit Hours: 1

BIOL 113 - General Biology II Credit Hours: 3

BIOL 115 - General Biology II Laboratory Credit Hours: 1

Choose either

CHEM 113 - Introductory Chemistry Credit Hours: 3*

or

CHEM 133 - General Chemistry I Credit Hours: 3*

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

Total Supplement Hours: 8

Electives

Minimum - 4 Credit Hours

Total Major Hours: 72

AES Faculty Load

Instructor	Appointment	Fall
Brokaw, J	Full-time Bio	BIOL 345/ENVR 345
Carpenter	Full-time	AENV 130, ENVR 320, ENVR 350, ENVR 455, AENV 384
Jernigan	Full-time	AENV 110*, AENV 130, AENV 371, ENVR 341
McGee	Full-time	AENV 110*, ANSC 111, ANSC 343, ANSC 360, ANSC 496
Craig	Adjunct	ENVR 410
Burke	Adjunct	ENVR 241
Simon	Adjunct	ANSC 235
Judah	Adjunct	

* AENV 110 is co-taught by Jernigan and McGee

Course Rotations		
Course ID	Semester	Hour Split
AENV 110	Fall	2-2-3
AENV 130	Fall, Spring	3-0-3
AENV 371	Fall, even yrs	3-0-3
AENV 384	Fall	3-0-3
AGRB 261	Spring	3-0-3
AGRB 382	Spring	3-0-3
ANSC 111	Fall	2-3-3
ANSC 235	Fall	3-0-3
ANSC 336	Spring	2-3-3
ANSC 343	Fall-odd yrs	3-0-3
ANSC 360	Fall, Spring	2-3-3
ANSC 363	Spring, even yrs	3-0-3
ANSC 392	Spring	3-0-3
ANSC 483	Spring, odd yrs	3-0-3
ANSC 496	Fall, even yrs	3-0-3
ANSC 497	Spring	3-0-3
ENVR 112	Spring	2-3-3
ENVR 233	Spring	2-3-3
ENVR 241	Fall, odd years	2-3-3
ENVR 320	Fall, even yrs	2-3-3
ENVR 341	Fall, odd yrs	2-3-3
ENVR 345	Fall	2-3-3
ENVR 350	Fall, odd yrs	2-3-3
ENVR 354	Spring, even yrs	2-2-3
ENVR 410	Fall	3-0-3
ENVR 420	Spring	3-0-3
ENVR 455	Fall, even yrs	3-3-4
ENVR 458	Spring, odd yrs	2-3-3

Spring

AENV 130, ENVR 233, ENVR 354, ENVR 458

AENV 130, ENVR 112, ENVR 420

ANSC 336, ANSC 360, ANSC 363, ANSC 483, ANSC 497

ANSC 392

AGRB 261, AGRB 382



Jessica Smith <jes98k@acu.edu>

Fwd: Changes to A&E degree plans that could impact your courses

Jim Carpenter <jac16d@acu.edu>

Thu, Dec 26, 2019 at 11:13 AM

To: Jonathan Camp <jwc03b@acu.edu>, Jessica Smith <jes98k@acu.edu>

----- Forwarded message -----

From: **Jim Carpenter** <jac16d@acu.edu>

Date: Tue, Dec 17, 2019 at 4:12 PM

Subject: Re: Changes to A&E degree plans that could impact your courses

To: Mikee Delony <mxd06b@acu.edu>

Thank you Mikee

On Tue, Dec 17, 2019 at 3:54 PM Mikee Delony <mxd06b@acu.edu> wrote:

Jim,

The Department of Language & Literature supports the addition of ENGL 327, Scientific and Technical Writing, to the ENVR degree plan.

Best,

Mikee Delony

On Tue, Dec 17, 2019 at 3:13 PM Jim Carpenter <jac16d@acu.edu> wrote:

Mikee,

The Agricultural & Environmental Sciences Department is proposing changes to its degree plans which involve courses from your department. In the ENVR major, we have included ENGL 327 in the Supplement for the Major. We currently get about 8-10 new ENVR majors every year. Could you please consider this change and send me an email stating whether you can support the new degree plan? Thanks.

In Him,

JimC

Jim Carpenter, Chair

Associate Professor of Environmental Sciences

Department of Agricultural and Environmental Sciences

Abilene Christian University

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Mikee Delony, PhD

Chair, Department of Language and Literature

Associate Professor of English

Culp Distinguished Professor of English 2014-17

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