

Abilene Approval Chart for Curriculum Changes

A = Approve I = Information Item R = Respond In Writing

This degree plan contains 4 changes. 1. the change in hours as a result of AGRB 261 being added to the General Education Social and Behavioral Science menu. 2. The addition of CHEM 111. A chemistry lab is a prerequisite for ANSC 336, which is required in this track. 3. Changing from requiring BIOL 370 AND BIOL408/409, to requiring one or the other. This change is in response to certification requirement changes, tied to the 1 hour increase in ENVR 458. 4. 1 hour increase in ENVR 458. The total major hours is unchanged.

Course Number: **or Degree Plan(s): Environmental Science-Wildlife and Natural Resource Management**

		Dept./School	College	Dean	TEC	AUAC/Grad	Provost
	Campus-Level Academic Review¹						
	Change to a Course Include signatures from all chairs/program directors for cross-listed courses. ¹						
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 (change of course outcomes)	A	A	A	I	I	A
5.	Number of credit hours	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 restriction (e.g., majors only, junior standing)	A	A	A	A	A	A
10.	Level change (U to G or G to U)	A	A	A	A	A	A
11.	Cross list course	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
	Change to a Degree Plan						
14.	Educational Program — Revise	A	A	A	A	A	A
15.	Educational Program — Adopt/revise admission requirements	A	A	A	A	A	A
16.	GPA — Revise program-required GPA	A	A	A	A	A	A
17.	Minor — Revise	A	A	A	A	A	A

		Dept./School	College	Dean	TEC	AUAC/Grad	Provost	Campus Faculty	Senior VPAA	President
	Full Review									
	Change to Catalog Information (for Campus)									
18.	General requirements for Bachelor's and Associate Degrees	-	-	-	-	A	A	A	A	I
19.	Policies governing academic probation and suspension	-	-	-	-	A	A	A	A	I
20.	Requirements for graduating with honors	-	-	-	-	A	A	A	A	I
	Change to a Degree Plan									
21.	Educational Program — Add or Discontinue ²³	A	A	A	A	A	A	A	A	I
22.	Educational Program — Discontinue (Provost-proposed)	R	-	R	A	A	A	A	A	I
23.	Minor — Add or Discontinue	A	A	A	A	A	A	-	A	I
24.	Minor — Discontinue (Provost-proposed)	R	-	R	A	A	A	-	A	I
25.	Degree — Add or Discontinue	A	A	A	A	A	A	A	A	I
26.	Degree — Discontinue (Provost-proposed)	R	-	R	A	A	A	A	A	I

		Dept./School	College	Dean	AUAC	Provost	UGEC	University Faculty	Senior VPAA	President
	Change to General Education Requirements for Undergraduates (System)									
27.	Change course outcomes of an included course	A	A	A	A	A	A	-	A	I
28.	Add or drop a required course from the General Education Requirements	A	-	A	-	A	A	A	A	I
29.	Add or drop a course from a menu within the General Education Requirements	A	-	A	-	A	A	-	A	I
30.	Comprehensive revision of General Education Requirements	-	-	-	-	A	A	A	A	I

Notes

² Any change to a cross-listed course requires the signature of both department chairs or program directors overseeing the course to ensure that the courses stay in sync. This includes courses taught at other campuses (e.g. BIBL 101 and BIBO 101).

³ For undergraduate majors, a minimum of 30 hours is required. These programs must have a minimum of 6 elective hours, unless the requirements of external accrediting bodies make it impossible. Master's programs must include a minimum of 30 hours, and doctoral programs must include a minimum of 30 hours beyond the master's.

⁴ When a department/school or dean proposes closing a program, approval routing follows the typical process beginning with the department/school. An administrative proposal by the provost or senior vice president for academic affairs would follow the "provost-proposed" routing on the chart.

Updated 8/1/2023

Department/School(s)	
	03/04/2024
Chair Signature	Date

Chair/Program Director Signature	Date
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College Academic Council(s)	
	3/25/2024
Chair Signature	Date

Chair Signature	Date
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Dean(s)	
	3/25/2024
Signature	Date

Signature	Date
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Teacher Education Council	
Signature	Date

Campus Academic Council: Abilene Undergraduate or Abilene Graduate	
Signature	Date

Provost

Signature

Date

University General Education Council

Signature

Date

University Faculty

Abilene Faculty Senate Chair signature

Date

Dallas Faculty Council Chair signature

Date

Senior Vice President for Academic Affairs

Signature

Date

President

Signature

Date

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

← Return to: [Academic Programs by Department](#)

BS: Environmental Science Degree Plan (ENVR)

The purpose of this degree is to fulfill the educational needs of students who are preparing for careers in natural resource management. As the national consciousness of the finite nature of natural resources has increased, the extraction industries, agriculture and manufacturers in general have been required to change the way they handle natural resources. Interactions between companies that consume natural resources and regulations governing the conservation of these resources have led to the creation of new disciplines and new career opportunities. Graduate schools in colleges of agriculture as well as in colleges of science and sciences offer degrees and graduate assistantships in a multitude of environmental areas. The emergence of new jobs in natural resource management indicates the opportunities for graduates in environmental science.

General Education Requirements

Please see the [General Education](#) section of this catalog.

Major Requirements

Agricultural and Environmental Sciences Core

- [AENV 101 - Foundations of Agricultural and Environmental Sciences](#) Credit Hours: 1
- [AENV 201 - Current Issues in Agricultural and Environmental Sciences](#) Credit Hours: 1
- [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

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

Total: ~~14~~ 11 Credit Hours

Experiential Learning

Students are required to complete an experiential learning component.

Choose 3 hours from the following:

- [AENV 381 - International Applications in Agricultural & Environmental Sciences](#) Credit Hours: 3
- [AENV 384 - Internship in Agricultural and Environmental Sciences](#) Credit Hours: 3
- [AENV 399 - Research in Agricultural & Environmental Sciences](#) Credit Hours: 3 **

** [AENV 399](#) is offered for variable credit, 1-3 credit hours. A total of 3 credit hours must be taken to meet the experiential learning requirement. The course may be repeated for up to 3 credit hours.

Total: 3 Credit Hours

Environmental Science Core

- [AENV 371 - Experimental Designs and Data Analysis](#) Credit Hours: 3
- [ENVR 241 - Geographic Information Systems](#) Credit Hours: 3
- [ENVR 341 - Water Resources](#) Credit Hours: 3
- or
- [ENVR 354 - Range Science](#) 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)

Total: 21 Credit Hours

Total: ~~38~~ 35 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
- **OR**
- BIOL 408 - General Mammalogy Credit Hours: 3 **and**
- BIOL 409 - General Mammalogy Laboratory Credit Hours: 1
- 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~~ 4

Track Total: ~~24~~ 21 Credit Hours

Supplement for Major

Social Science

Choose 3 hours from the following menu:

- POLS 225 - National Government Credit Hours: 3 * **(remove *)**
- POLS 226 - States and Federal System Credit Hours: 3
- POLS 227 - Introduction to International Relations Credit Hours: 3 * **(remove *)**

~~*Hours may also fulfill general education 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 general education requirements and are not included in total major hours

Science Core

- 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

- CHEM 113 - Introductory Chemistry Credit Hours: 3 *

CHEM 111 - Introductory Chemistry Laboratory: Credit Hours: 1

or

- CHEM 133 - General Chemistry I Credit Hours: 3 *

CHEM 131 - General Chemistry Laboratory I Credit Hours 1

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

Total Supplement Hours: ~~8-14~~ 12-15

Electives

Minimum - ~~0-4~~ 3-6 Credit Hours

Total Major Hours: 74

Other Graduation Requirements

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.*