

Abilene Approval Chart for Curriculum Changes

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

Course Number: _____ **or Degree Plan(s):** High School Teacher Certification - Composite Sciences -Biology, BS (BIOT-BTCS)

Short description: _____

		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 ^{2 3}	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	TEC	AUAC/Grad	Provost	Campus 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.

Jennifer Huddleston

Department/School(s)

3/1/24

Chair Signature

Date

Chair/Program Director Signature

Date

Charles Minter

College Academic Council(s)

3/25/24

Chair Signature

Date

Chair Signature

Date

Charles Minter

Dean(s)

3/25/24

Signature

Date

Signature

Date

Stephanie Talley

Stephanie Talley (Apr 4, 2024 16:26 CDT)

Teacher Education Council

Apr 4, 2024

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

Date: March 1, 2024

To: Council Members and Administrators

From: Jennifer Huddleston, Chair of the Department of Biology

The Department of Biology seeks to make changes in our degree plan for High School Teacher Certification - Composite Sciences - Biology, BS (BIOT-BTCS). A table is included at the end of this memo summarizing these changes. The following as a rationale for each of the proposed changes.

First, we are proposing that an experiential learning component be added to each of our degree plans. This wording is:

Experiential Learning

Students are required to complete an experiential learning component.

Choose one option from the list below:

BIOL 493 - Human Anatomy Laboratory Credit Hours: 1 ^

BIOL 357 - Microbiology Laboratory Credit Hours: 1 ^

BIOL 364 - Ecology Laboratory Credit Hours: 1 ^

BIOL 498 - Cancer Biology Credit Hours: 3 ^

BIOL 399 - Biology Research Credit Hours: 1-3 ^

PHP 308 - Global Healthcare Credit Hours: 3 ^

^Hours fulfill either general education or major requirements and are not counted a second time for this requirement.

Total: 0 Credit Hours

Finally, we propose that the programs with choose "BIOL 300-499" courses be clarified to exclude BIOL 353 and BIOL 354 General Microbiology lecture and lab courses. These two courses are non-majors courses and are not appropriate for majors.

Please see the individual catalog pages with markups for the degree plans.

Program	Add ELDP	Exclude BIOL 353 and BIOL 354
High School Teacher Certification - Composite Sciences - Biology, BS (BIOT-BTCS)	X	X

High School Teacher Certification - Composite Sciences - Biology, BS (BIOT-BTCS)

BS: High School Teacher Certification (BIOT)

General Education Requirements

Please see the [General Education](#) 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 312 - Cell Biology](#) Credit Hours: 3
[BIOL 351 - Genetics](#) Credit Hours: 3
[BIOL 355 - Microbiology](#) Credit Hours: 3
[BIOL 357 - Microbiology Laboratory](#) Credit Hours: 1
[BIOL 362 - Ecology](#) Credit Hours: 3
[BIOL 364 - Ecology Laboratory](#) Credit Hours: 1
[BIOL 401 - Secondary Science Teaching Methods](#) Credit Hours: 3
[BIOL 497 - Seminar in Biology](#) Credit Hours: 3

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

Choose 4 hours from the following:

[BIOL 403 - Marine Biology](#) Credit Hours: 3
[BIOL 404 - Marine Biology Laboratory](#) Credit Hours: 1
or
[BIOL 408 - General Mammalogy](#) Credit Hours: 3
[BIOL 409 - General Mammalogy Laboratory](#) Credit Hours: 1
or
[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

or

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

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

Choose 4 hours not previously taken from:

- [BIOL 300-499, excluding BIOL 353 and BIOL 354](#)

Deleted: .

Total: 33 Credit Hours

Experiential Learning

Students are required to complete an experiential learning component.

Choose one option from the list below:

[BIOL 493 - Human Anatomy Laboratory](#) Credit Hours: 1 ^

[BIOL 357 - Microbiology Laboratory](#) Credit Hours: 1 ^

[BIOL 364 - Ecology Laboratory](#) Credit Hours: 1 ^

[BIOL 498 - Cancer Biology](#) Credit Hours: 3 ^

[BIOL 399 - Biology Research](#) Credit Hours: 1-3 ^

[PHP 308 - Global Healthcare](#) Credit Hours: 3 ^

^Hours fulfill either general education or major requirements and are not counted a second time for this requirement.

Total: 0 Credit Hours

Supplement for Major

Biology Teaching Composite Sciences - Grades 7-12

[CHEM 133 - General Chemistry I](#) Credit Hours: 3 *
[CHEM 131 - General Chemistry Laboratory I](#) Credit Hours: 1
[CHEM 134 - General Chemistry II](#) Credit Hours: 3
[CHEM 132 - General Chemistry Laboratory II](#) Credit Hours: 1
[CHEM 223 - Organic Chemistry I](#) Credit Hours: 3
[CHEM 221 - Organic Chemistry Laboratory I](#) Credit Hours: 1

[PHYS 110 - General Physics I](#) Credit Hours: 3
[PHYS 111 - General Physics I Laboratory](#) Credit Hours: 1
or
[PHYS 220 - Engineering Physics I](#) Credit Hours: 3
[PHYS 221 - Engineering Physics I Laboratory](#) Credit Hours: 1

[PHYS 112 - General Physics II](#) Credit Hours: 3
[PHYS 113 - General Physics II Laboratory](#) Credit Hours: 1
or
[PHYS 222 - Engineering Physics II](#) Credit Hours: 3
[PHYS 223 - Engineering Physics II Laboratory](#) Credit Hours: 1

[MATH 124 - Precalculus II](#) Credit Hours: 3 *
or
[MATH 131 - Calculus for Application](#) Credit Hours: 3 *
or
[MATH 185 - Calculus I](#) Credit Hours: 3 *

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

Total: 17 Credit Hours

Professional Education Requirements

- [EDUC 211 - Introduction to Education: Culture and Contexts](#) Credit Hours: 3 *
- [EDUC 412 - Secondary Curriculum and Media](#) Credit Hours: 3 (capstone course)
- [EDUC 432 - Secondary Management and Methods](#) Credit Hours: 3 (writing-intensive and capstone course)
- [EDUC 476 - Effective Teaching Strategies for English Learners](#) Credit Hours: 3
- [EDUC 490 - Clinical Teaching](#) Credit Hours: 6 (capstone course)
- [READ 322 - Disciplinary Literacies](#) Credit Hours: 3
- [SPED 371 - Teaching Exceptional Students](#) Credit Hours: 3

Choose 1 of the following courses:

[EDUC 221 - Educational Psychology](#) Credit Hours: 3 *

[PSYC 232 - Developmental Psychology](#) Credit Hours: 3 *

[PSYC 241 - Cognition and Learning](#) Credit Hours: 3

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

Total: 21-24 Credit Hours

Electives

Minimum - 0-3 Credit Hours

Total Major Hours: 74

Criteria for Admission to Teacher Education

In accordance with Texas state law, students must meet the [admission criteria](#).

Other Graduation Requirements

Minimum grade for majors courses: C

Minimum GPA for graduation: 2.75

Minimum advanced hours: 33

Minimum total hours: 128

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