

Abilene Approval Chart for Curriculum Changes

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

Course Number:

or Degree Plan(s): BIOT-BTCS

Changes to the High School Teacher Certification - Composite Sciences - Biology, BS (BIOT-BTCS) track:

- Addition of BIOL 352 as a course
- Addition of BIOL 352 as experiential learning

		De pt./ Sch ool	Coll ege	Dea n	TEC	AU AC/ Gra d	Pro vos t
	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						
<u>14.</u>	<u>Educational Program — Revise</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>
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

		De pt. /Sc hool	Col leg e	De an	TE C	AU AC/ Gr ad	Pro vos t	Ca mp us Fac ult y	Se nio r VP AA	Pre sid ent
	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

		De pt. /Sc hool	Col leg e	De an	TE C	AU AC/ Gr ad	Pro vos t	Ca mp us Fac ult y	Se nio r VP AA	Pre sid ent
	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

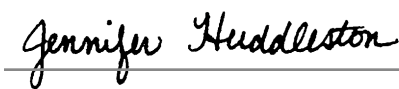
² Any change to a cross-listed course requires the signature of both department chairs or program directors overseeing the course to ensure that the courses stay in sync. This includes courses taught at other campuses (e.g. BIBL 101 and BIBO 101).

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)

	2/28/2025
Chair Signature	Date

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

	3/7/2025
Chair Signature	Date

Chair Signature	Date
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Dean(s)

	3/7/2025
Signature	Date

Signature	Date
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Teacher Education Council

 Stephanie Talley (Apr 8, 2025 15:23 CDT)	Apr 8, 2025
Signature	Date

Campus Academic Council:
Abilene Undergraduate or Abilene Graduate

Signature	Date
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Provost

Signature	Date
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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

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 352 - Genetics Laboratory Credit Hours: 1 ^

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.

Total: ~~33~~34 Credit Hours

Experiential Learning

Students are required to complete an experiential learning component.

Choose one option from the list below:

BIOL 352 - Genetics Laboratory Credit Hours: 1 ^

BIOL 357 - Microbiology Laboratory Credit Hours: 1 ^

BIOL 364 - Ecology Laboratory Credit Hours: 1 ^

BIOL 399 - Biology Research Credit Hours: 3 ^

BIOL 493 - Human Anatomy Laboratory Credit Hours: 1 ^

BIOL 498 - Cancer Biology Credit Hours: 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~~ 0-2 Credit Hours

Total Major Hours: 74