

## Abilene Approval Chart for Curriculum Changes

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

**Course Number:** \_\_\_\_\_ **or Degree Plan(s):** BCH-BCBS

**Add BIOL 352 - Genetics Lab.** The Biology department is adding a required co-requisite lab to Genetics, BIOL 351. Since BIOL 352 is part of a menu from which students select 6 hours, we would like to add the 1 hour lab to the menu. (Degree menu below the chart.)

**Add CHEM 362 - Nuclear Chemistry** to the Chemistry or Biology menu. This is a new course that would be appropriate in this menu.

|     |                                                                                                                          | Dept./School | College  | Dean     | TEC      | AUAC/Grad | Provost  |
|-----|--------------------------------------------------------------------------------------------------------------------------|--------------|----------|----------|----------|-----------|----------|
|     | <b>Campus-Level Academic Review<sup>1</sup></b>                                                                          |              |          |          |          |           |          |
|     | <b>Change to a Course</b><br>Include signatures from all chairs/program directors for cross-listed courses. <sup>1</sup> |              |          |          |          |           |          |
| 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        |
|     | <b>Change to a Degree Plan</b>                                                                                           |              |          |          |          |           |          |
| 14. | <b>Educational Program — Revise</b>                                                                                      | <b>A</b>     | <b>A</b> | <b>A</b> | <b>A</b> | <b>A</b>  | <b>A</b> |
| 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 |
|-----|-----------------------------------------------------------|--------------|---------|------|-----|-----------|---------|----------------|-------------|-----------|
|     | <b>Full Review</b>                                        |              |         |      |     |           |         |                |             |           |
|     | <b>Change to Catalog Information (for Campus)</b>         |              |         |      |     |           |         |                |             |           |
| 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         |
|     | <b>Change to a Degree Plan</b>                            |              |         |      |     |           |         |                |             |           |
| 21. | Educational Program — Add or Discontinue <sup>23</sup>    | 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 |
|-----|-----------------------------------------------------------------------------|--------------|---------|------|------|---------|------|--------------------|-------------|-----------|
|     | <b>Change to General Education Requirements for Undergraduates (System)</b> |              |         |      |      |         |      |                    |             |           |
| 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

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> 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

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|-------------------------------------------------------------------------------------|------------------------------------------------|
|    | <b>Department/School(s)</b><br>3/27/2025       |
| Chair Signature                                                                     | Date                                           |
| <hr/>                                                                               |                                                |
| Chair/Program Director Signature                                                    | Date                                           |
| <hr/>                                                                               |                                                |
|    | <b>College Academic Council(s)</b><br>4/8/2025 |
| Chair Signature                                                                     | Date                                           |
| <hr/>                                                                               |                                                |
| Chair Signature                                                                     | Date                                           |
|  | <b>Dean(s)</b><br>4/8/2025                     |
| Signature                                                                           | Date                                           |
| <hr/>                                                                               |                                                |
| Signature                                                                           | Date                                           |
| <hr/>                                                                               |                                                |
| <b>Teacher Education Council</b>                                                    |                                                |
| <hr/>                                                                               |                                                |
| Signature                                                                           | Date                                           |
| <hr/>                                                                               |                                                |
| <b>Campus Academic Council:<br/>Abilene Undergraduate or Abilene Graduate</b>       |                                                |
| <hr/>                                                                               |                                                |
| Signature                                                                           | Date                                           |
| <hr/>                                                                               |                                                |
| <b>Provost</b>                                                                      |                                                |

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Signature

Date

**University General Education Council**

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Signature

Date

**University Faculty**

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Abilene Faculty Senate Chair signature

Date

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Dallas Faculty Council Chair signature

Date

**Senior Vice President for Academic Affairs**

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Signature

Date

**President**

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Signature

Date

# BS: Biochemistry Degree Plan (BCH)

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## General Education Requirements

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

## Major Requirements

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### Chemistry

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- CHEM 133 - General Chemistry I Credit Hours: 3 \*
- CHEM 131 - General Chemistry Laboratory I Credit Hours: 1
- CHEM 132 - General Chemistry Laboratory II Credit Hours: 1
- CHEM 134 - General Chemistry II Credit Hours: 3
- CHEM 221 - Organic Chemistry Laboratory I Credit Hours: 1
- CHEM 223 - Organic Chemistry I Credit Hours: 3
- CHEM 322 - Organic Chemistry Laboratory II Credit Hours: 1
- CHEM 324 - Organic Chemistry II Credit Hours: 3
- CHEM 423 - Chemistry and Biochemistry Seminar Credit Hours: 3 (capstone and writing-intensive course)
- CHEM 453 - Biochemistry I: Foundations of Biochemistry Credit Hours: 3
- CHEM 454 - Biochemistry II: Gene Expression Credit Hours: 3
- CHEM 456 - Biochemistry III: Metabolism Credit Hours: 2
- CHEM 463 - Biochemistry Laboratory I Credit Hours: 1

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

## Biology

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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

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

**Total: 33 Credit Hours**

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## Supplement for Major

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### Biomedical Science Track (BCBS)

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CHEM 355 - Analytical Chemistry I Credit Hours: 4

*or*

CHEM 356 - Analytical Chemistry II Credit Hours: 4

CHEM 413 - Physical Chemistry/Life Sciences Credit Hours: 3

MATH 131 - Calculus for Application Credit Hours: 3 \*

*or*

MATH 185 - Calculus I Credit Hours: 3 \*

MATH 123 - Elementary Statistics Credit Hours: 3

*or*

MATH 377 - Statistical Methods I Credit Hours: 3

*or*

BIOL 483 - Biostatistics Credit Hours: 3

PHYS 110 - General Physics I Credit Hours: 3  
PHYS 111 - General Physics I Laboratory Credit Hours: 1  
PHYS 112 - General Physics II Credit Hours: 3  
PHYS 113 - General Physics II Laboratory Credit Hours: 1

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

### Choose 6 hours from:

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- BIOL 313 - Cell Biology Laboratory Credit Hours: 1
- BIOL 330 - Neurobiology Credit Hours: 3
- BIOL 351 - Genetics Credit Hours: 3
- **BIOL 352 - Genetics Lab Credit Hours: 1**
- BIOL 355 - Microbiology Credit Hours: 3
- BIOL 357 - Microbiology Laboratory Credit Hours: 1
- BIOL 454 - Immunology Credit Hours: 3
- BIOL 475 - Molecular Genetics Credit Hours: 3
- BIOL 480 - Histology Credit Hours: 3
- BIOL 484 - Developmental Biology Credit Hours: 3
- BIOL 491 - Human Anatomy Credit Hours: 3
- BIOL 493 - Human Anatomy Laboratory Credit Hours: 1
- BIOL 492 - Physiology Credit Hours: 3
- BIOL 495 - Physiology Laboratory Credit Hours: 1
- BIOL 498 - Cancer Biology Credit Hours: 3

### Choose 9 hours not previously taken from:

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- CHEM 341 - Environmental Chemistry Credit Hours: 3
- CHEM 355 - Analytical Chemistry I Credit Hours: 4
- CHEM 356 - Analytical Chemistry II Credit Hours: 4
- **CHEM 362 - Nuclear Chemistry Credit Hours: 3**
- CHEM 375 - Molecular Modeling and Computational Chemistry Credit Hours: 3
- CHEM 393 - Introduction to Research Credit Hours: 1-3
- CHEM 430 - Medicinal Chemistry Credit Hours: 3

- CHEM 443 - Inorganic Chemistry Credit Hours: 3
- CHEM 483 - Polymer Chemistry Credit Hours: 4
- BIOL 313 - Cell Biology Laboratory Credit Hours: 1
- BIOL 330 - Neurobiology Credit Hours: 3
- BIOL 351 - Genetics Credit Hours: 3
- BIOL 355 - Microbiology Credit Hours: 3
- BIOL 357 - Microbiology Laboratory Credit Hours: 1
- BIOL 454 - Immunology Credit Hours: 3
- BIOL 475 - Molecular Genetics Credit Hours: 3
- BIOL 480 - Histology Credit Hours: 3
- BIOL 484 - Developmental Biology Credit Hours: 3
- BIOL 491 - Human Anatomy Credit Hours: 3
- BIOL 493 - Human Anatomy Laboratory Credit Hours: 1
- BIOL 492 - Physiology Credit Hours: 3
- BIOL 495 - Physiology Laboratory Credit Hours: 1
- BIOL 498 - Cancer Biology Credit Hours: 3

**Total: 33 Credit Hours**

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## Electives

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Minimum - 8 Credit Hours

**Total Major Hours: 74**