

## Abilene Approval Chart for Curriculum Changes

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

Course Number \_\_\_\_\_ or Degree Plan(s) BS MATH MASC

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

Requesting degree plan changes that necessarily follow from the revision to ACU's newly approved General Education Program.

Indicate the requested change.

|     | Change to a Course                                   | Dept./School <sup>1</sup> | College | Dean | TEC | UGEC | AUAC/Grad | Provost | President |
|-----|------------------------------------------------------|---------------------------|---------|------|-----|------|-----------|---------|-----------|
| 1.  | Title (description unchanged)                        | A                         | A       | A    | I   | –    | I         | I       | I         |
| 2.  | Description (not affecting content)                  | A                         | A       | A    | I   | –    | I         | I       | I         |
| 3.  | Course term(s)                                       | A                         | I       | A    | I   | –    | I         | I       | I         |
| 4.  | Content (change of course outcomes)                  | A                         | A       | A    | I   | –    | I         | A       | I         |
| 5.  | Number of hours (lecture, lab, contact)              | A                         | A       | A    | A   | –    | A         | A       | I         |
| 6.  | Course number within the hundred                     | A                         | A       | I    | I   | –    | I         | I       | I         |
| 7.  | Course number beyond the hundred                     | A                         | A       | A    | A   | –    | A         | A       | I         |
| 8.  | Prerequisites                                        | A                         | A       | A    | I   | –    | I         | I       | I         |
| 9.  | Course fee(s)                                        | A                         | –       | A    | –   | –    | –         | A       | I         |
| 10. | From U to G or G to U                                | A                         | A       | A    | A   | –    | A         | A       | I         |
| 11. | Cross-list course                                    | A                         | A       | A    | A   | –    | A         | A       | I         |
| 12. | Department of record                                 | A                         | A       | A    | A   | –    | A         | A       | I         |
| 13. | Close a course                                       | A                         | A       | A    | A   | –    | A         | A       | I         |
| 14. | New course (includes combining or splitting courses) | A                         | A       | A    | A   | –    | A         | A       | I         |

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|     | Change to the University Requirements<br>(All Campuses)                                                    | Dept./School <sup>1</sup> | College | Dean | TEC | UGEC | AUAC/Grad | Provost | Faculty | President | Trustees |
|-----|------------------------------------------------------------------------------------------------------------|---------------------------|---------|------|-----|------|-----------|---------|---------|-----------|----------|
| 1.  | University Requirements — Change course outcomes of an included course <sup>2</sup>                        | A                         | A       | A    | —   | A    | —         | A       | —       | A         | —        |
| 2.  | University Requirements — Add or drop a required course from the University Requirements <sup>2</sup>      | A                         | A       | A    | —   | A    | —         | A       | A       | A         | —        |
| 3.  | University Requirements — Add or drop a course from a menu within the University Requirements <sup>2</sup> | A                         | —       | —    | —   | A    | —         | A       | —       | A         | —        |
| 4.  | University Requirements — Change hours within a menu in the University Requirements <sup>2</sup>           | A                         | A       | A    | —   | A    | —         | A       | A       | A         | —        |
|     | <b>Change to Catalog Information<br/>(for Campus)</b>                                                      |                           |         |      |     |      |           |         |         |           |          |
| 1.  | General Requirements for Bachelor's Degrees and Associate's Degrees                                        | —                         | —       | —    | —   | —    | A         | A       | A       | A         | —        |
| 2.  | Policies governing academic probation and suspension                                                       | —                         | —       | —    | —   | —    | A         | A       | A       | A         | —        |
| 3.  | Requirements for graduating with honors                                                                    | —                         | —       | —    | —   | —    | A         | A       | A       | A         | —        |
|     | <b>Change to a Degree Plan<br/>Proposed by Faculty or College</b>                                          |                           |         |      |     |      |           |         |         |           |          |
| 5.  | Educational Program — Revise <sup>3</sup>                                                                  | A                         | A       | A    | A   | —    | A         | A       | —       | A         | —        |
| 6.  | Educational Program — Adopt/change admission requirements                                                  | A                         | A       | A    | A   | —    | A         | A       | —       | A         | —        |
| 7.  | Educational Program — Add <sup>3</sup>                                                                     | A                         | A       | A    | A   | —    | A         | A       | A       | A         | I        |
| 8.  | Educational Program — Discontinue                                                                          | A                         | A       | A    | A   | —    | A         | A       | A       | A         | I        |
| 9.  | GPA — Revise program-required GPAs                                                                         | A                         | A       | A    | A   | —    | A         | A       | —       | A         | —        |
| 10. | Minor — Revise                                                                                             | A                         | A       | A    | I   | —    | I         | I       | —       | I         | —        |
| 11. | Minor — Add                                                                                                | A                         | A       | A    | A   | —    | A         | A       | —       | A         | —        |
| 12. | Minor — Discontinue                                                                                        | A                         | A       | A    | A   | —    | A         | A       | —       | A         | —        |
| 13. | Degree — Add                                                                                               | A                         | A       | A    | A   | —    | A         | A       | A       | A         | I        |
| 14. | Degree — Discontinue                                                                                       | A                         | A       | A    | A   | —    | A         | A       | A       | A         | I        |
|     | <b>Change to a Degree Plan<br/>Proposed By Provost</b>                                                     |                           |         |      |     |      |           |         |         |           |          |
| 15. | Educational Program — Discontinue                                                                          | R                         | —       | R    | A   | —    | A         | A       | A       | A         | I        |
| 16. | Minor — Discontinue                                                                                        | R                         | —       | R    | A   | —    | A         | A       | —       | A         | —        |
| 17. | Degree — Discontinue                                                                                       | R                         | —       | R    | A   | —    | A         | A       | A       | A         | I        |

<sup>1</sup> 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.

<sup>2</sup> Courses that satisfy ACU's University Requirements 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.

<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.

Revised 8-29-22

| Department/School Chair(s) |               |
|----------------------------|---------------|
| <u>D. L. L. S.</u>         | Feb 1, 2023   |
| Signature                  | Approval date |
| Signature                  | Approval date |

| College Academic Council(s) |               |
|-----------------------------|---------------|
| <u>Jonathan Camp</u>        | Feb 8, 2023   |
| Signature                   | Approval date |
| Signature                   | Approval date |

| Dean(s)            |               |
|--------------------|---------------|
| <u>[Signature]</u> | Feb 15, 2023  |
| Signature          | Approval date |
| Signature          | Approval date |

| Teacher Education Council |               |
|---------------------------|---------------|
| Chair's signature         | Approval date |

| University General Education Council |               |
|--------------------------------------|---------------|
| Chair's signature                    | Approval date |

| Abilene 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 |

# Mathematics, Actuarial Science, BS (MATH-MASC)

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## University Requirements

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

## Major Requirements

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### Mathematics

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- [MATH 101 - Introduction to the Math Major](#) Credit Hours: 2
- [MATH 185 - Calculus I](#) Credit Hours: 3 \*
- [MATH 186 - Calculus II](#) Credit Hours: 3
- [MATH 187 - Calculus Computer Laboratory](#) Credit Hours: 1
- [MATH 227 - Discrete Mathematics](#) Credit Hours: 3
- [MATH 286 - Calculus III](#) Credit Hours: 3
- [MATH 377 - Statistical Methods I](#) Credit Hours: 3
- [MATH 397 - Mathematics Seminar](#) Credit Hours: 2
- [MATH 445 - Theory of Interest](#) Credit Hours: 3
- [MATH 477 - Statistical Methods II](#) Credit Hours: 3
- [MATH 478 - Mathematical Statistics](#) Credit Hours: 3
- [MATH 497 - Mathematics Capstone](#) Credit Hours: 2 (capstone and writing-intensive course)
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- \*Hours may also fulfill university requirements and are not included in total major hours

### Mathematics Selections

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Choose 2 from the following:

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- [MATH 325 - Linear Algebra](#) Credit Hours: 3
- [MATH 361 - Ordinary Differential Equations](#) Credit Hours: 4
- [MATH 381 - Analysis I](#) Credit Hours: 3

## Advanced Mathematics Selection

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- (Excluding [MATH 309](#) , [MATH 311](#) , [MATH 410](#) , and [MATH 412](#) ) - Credit Hours: 3

**Total: 37 Credit Hours**

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## Supplement for Major

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### Computer Science

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- [CS 120 - Programming I](#) Credit Hours: 3

### Business Administration

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- [ACCT 210 - Financial Accounting](#) Credit Hours: 3
- [ACCT 211 - Managerial Accounting](#) Credit Hours: 3
- [ECON 260 - Principles of Macroeconomics](#) Credit Hours: 3 \*
- [ECON 261 - Principles of Microeconomics](#) Credit Hours: 3
- [FIN 310 - Financial Management](#) Credit Hours: 3
- [FIN 411 - Principles of Investment](#) Credit Hours: 3
- [FIN 412 - Financial Theory and Practice](#) Credit Hours: 3
- [IT 220 - Introduction to Databases and Database Management Systems](#) Credit Hours: 3
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- \*Hours may also fulfill university requirements and are not included in total major hours

### Business or Mathematics Selection

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- Any upper-level business or mathematics course. Credit Hours: 3

**Total: 27 Credit Hours**

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## Electives

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Minimum - ~~8~~10 Credit Hours

**Total Major Hours: 7274**

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## Other Graduation Requirements

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Minimum GPA in major requirements and supplement: 2.50

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.*