

Abilene Approval Chart for Curriculum Changes

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

Course Number: _____ **or Degree Plan(s):** **BS (MATT)**

Changing all instances of MATH 334 to read MATH 371 and all instances of MATH 483 to MATH 473. No other structural changes are being made to the degree plan.

	Campus-Level Academic Review¹	1	2	3	4	5	6
	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

		V	P	H	A	E	S	D	F	O	S
	Full Review										
	Change to Catalog Information (for Campus)										
18.	General requirements for Bachelor's and Associate Degrees	-	-	-	-	A	A	A	A	A	I
19.	Policies governing academic probation and suspension	-	-	-	-	A	A	A	A	A	I
20.	Requirements for graduating with honors	-	-	-	-	A	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	A	I
22.	Educational Program — Discontinue (Provost-proposed)	R	-	R	A	A	A	A	A	A	I
23.	Minor — Add or Discontinue	A	A	A	A	A	A	-	A	A	I
24.	Minor — Discontinue (Provost-proposed)	R	-	R	A	A	A	-	A	A	I
25.	Degree — Add or Discontinue	A	A	A	A	A	A	A	A	A	I
26.	Degree — Discontinue (Provost-proposed)	R	-	R	A	A	A	A	A	A	I

	Change to General Education Requirements for Undergraduates (System)	.	I	E	U	O	G	S	I	S
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.

Department/School(s)

<i>John Ehrke</i>	11/26/2024
Chair Signature	Date

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

<i>Charles Minter</i>	2/3/2025
Chair Signature	Date

Chair Signature	Date
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Dean(s)

<i>Charles Minter</i>	2/3/2025
Signature	Date

Signature	Date
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Teacher Education Council

<i>Stephanie Talley</i> Stephanie Talley (Apr 8, 2025 15:22 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
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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

Mathematics for Grades 7-12 Teacher Certification, BS (MATT)

General Education Requirements

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

Major Requirements

Mathematics

- [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 309 - Algebraic Concepts for Teachers I](#) Credit Hours: 3
- [MATH 311 - Geometric Concepts for Teachers I](#) Credit Hours: 3

- [MATH 351 - Abstract Algebra I](#) Credit Hours: 3
- or
- [MATH 381 - Analysis I](#) Credit Hours: 3

- [MATH 377 - Statistical Methods I](#) Credit Hours: 3
- [MATH 397 - Mathematics Seminar](#) Credit Hours: 2
- [MATH 410 - Algebraic Concepts for Teachers II](#) Credit Hours: 3
- [MATH 412 - Geometric Concepts for Teachers II](#) Credit Hours: 3
- [MATH 418 - Professional Development Experience in Mathematics](#) Credit Hours: 1 (lab)
- [MATH 497 - Mathematics Capstone](#) Credit Hours: 2 (capstone and writing-intensive course)

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

Advanced Selection

- [MATH 325 - Linear Algebra](#) Credit Hours: 3
- or
- [MATH 371 - Combinatorics and Graph Theory](#) Credit Hours: 3
- or
- [MATH 361 - Ordinary Differential Equations](#) Credit Hours: 4
- or

- [MATH 477 - Statistical Methods II](#) Credit Hours: 3

Total: 38 Credit Hours

Supplement for Major

Computer Science

- [CS 115 - Introduction to Programming Using Scripting](#) Credit Hours: 3
- or
- [CS 120 - Programming I](#) Credit Hours: 3

Science

- [CHEM 133 - General Chemistry I](#) Credit Hours: 3 *
- [CHEM 131 - General Chemistry Laboratory I](#) Credit Hours: 1

or

- [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

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

Total: 4 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

Must make application and be approved to take [EDUC 490](#). GPA of 2.75 required to remain in Teacher Education Program.

Total: 21-24 Credit Hours

Electives

Minimum - 8-11 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 GPA in major requirements: 2.75

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.*
