

Abilene Approval Chart for Curriculum Changes

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

Course Number: _____ **or Degree Plan(s):** PHMT-PHMT

Short description:

Update track to reflect changed PHYS 115 and 116 intro sequence and add new MATH 278 course as it is better aligned with needs of physics majors. MATH 187 is closing and should be removed.

		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 <i>or</i> 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.

Department/School(s)

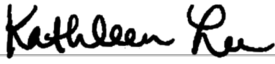
03/26/26

Chair Signature

Date

Chair/Program Director Signature

Date

College Academic Council(s)

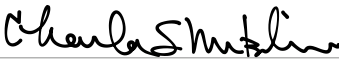
04/16/2026

Chair Signature

Date

Chair Signature

Date

Dean(s)

4/16/2026

Signature

Date

Signature

Date

Teacher Education Council

04/23/2026

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

High School Teacher Certification - Physics and Mathematics, BS (PHMT-PHMT)

BS: High School Teacher Certification - Physics and Mathematics Degree Plan (PHMT)

General Education Requirements

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

Major Requirements

Physics

- [PHYS 135 - Introduction to Electric Circuits](#) Credit Hours: 3
- [PHYS 136 - Introduction to Electric Circuits Laboratory](#) Credit Hours: 1
- [PHYS 220 - Engineering Physics I](#) Credit Hours: 3 *
- [PHYS 221 - Engineering Physics I Laboratory](#) Credit Hours: 1
- [PHYS 222 - Engineering Physics II](#) Credit Hours: 3 *
- [PHYS 223 - Engineering Physics II Laboratory](#) Credit Hours: 1
- [PHYS 330 - Modern Physics](#) Credit Hours: 3
- [PHYS 331 - Modern Physics Laboratory](#) Credit Hours: 1
- [PHYS 401 - Secondary Science Methods](#) Credit Hours: 3
- [PHYS 497 - Physics Capstone I](#) Credit Hours: 2 (capstone and writing- intensive course)
- [PHYS 498 - Physics Capstone II](#) Credit Hours: 2 (capstone course)

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

Total: 17 Credit Hours

Mathematics

- [MATH 185 - Calculus I](#) Credit Hours: 3 *
- [MATH 186 - Calculus II](#) Credit Hours: 3
-
- **Hours may also fulfill general education requirements and are not included in total major hours*

Total: 3 Credit Hours

Physics and Mathematics (PHMT)

Physics

- Choose – 5 additional PHYS hours (3 hours must be advanced (300-499), excluding [PHYS 378](#)) Credit Hours: – 5

Mathematics

- ~~MATH 187 - Calculus Computer Laboratory Credit Hours: 1~~
- [MATH 227 - Discrete Mathematics](#) Credit Hours: 3
- [MATH 278 - Computational Mathematics Lab](#) Credit Hours: 1
- [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 361 - Ordinary Differential Equations](#) Credit Hours: 4
- [MATH 377 - Statistical Methods I](#) Credit Hours: 3

PHMT Total: 25 Credit Hours

Other Requirements

Teacher 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

Other Required Courses

- ~~[ENGR 115 - Introduction to Engineering and Physics](#) Credit Hours: 1~~
- ~~[ENGR 116 - Introduction to Engineering and Physics Laboratory](#) Credit Hours: 1~~
- [PHYS 115 - Introduction to Physics](#) Credit Hours: 2
- [PHYS 116 - Introduction to Physics Lab](#) Credit Hours: 1
- [PHIL 379 - Philosophy, Religion and Science](#) Credit Hours: 3 *
-
- *Hours may also fulfill general education requirements and are not included in total major hours

Total: ~~23-26~~ 24-27 Credit Hours

Electives

Minimum - ~~3-6~~ 2-5 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.