

Abilene Approval Chart for Curriculum Changes

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

Course Number: **or Degree Plan(s): Computer Science - Computing Theory**

MATH deleted MATH 187, which is required for Computer Science - Computing Theory track. So we need to update that track to require MATH 278 instead of MATH 187.

		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 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

		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 ²³	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
	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)	04/08/2026
Chair Signature		Date

Chair/Program Director Signature	Date
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 Arisoa Randrianasolo (Apr 8, 2026 21:58:50 CDT)	College Academic Council(s)	04/08/2026
Chair Signature		Date

Chair Signature	Date
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	Dean(s)	04/09/2026
Signature		Date

Signature	Date
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Teacher Education Council	
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

Computer Science, Computing Theory, BS (CS-CT)

This Computing Theory program is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET) <https://www.abet.org>.

BS: Computer Science Degree Plan (CS)

General Education Requirements

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

Major Requirements

Computer Science

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

[CS 130 - Programming II: Data Structures](#) Credit Hours: 3

[CS 230 - Object-Oriented Programming](#) Credit Hours: 3

[CS 332 - Design and Analysis of Algorithms](#) Credit Hours: 3

[CS 374 - Software Engineering](#) Credit Hours: 3

[ECEN 210 - Digital Logic](#) Credit Hours: 3

[IT 220 - Introduction to Databases and Database Management Systems](#) Credit Hours: 3

[IT 221 - Fundamentals of Networking and Data Communications](#) Credit Hours: 3

[IT 310 - Introduction to Computer and Information Security](#) Credit Hours: 3

[ITC 110 - Introduction to Information, Technology, and Computing](#) Credit Hours: 3

[ITC 125 - Introduction to Human-Computer Interaction](#) Credit Hours: 3 *

[ITC 480 - Reflections on Faith and Work](#) Credit Hours: 3 (capstone and writing-intensive course)

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

Select 3 hours from the following:

- [ITC 399 - ITC Research](#) Credit Hours: 3
- [ITC 499 - Information, Technology, and Computing Internship](#) Credit Hours: 3

Total: 36 Credit Hours

Computing Theory (CT)

- [CS 341 - Numerical Methods](#) Credit Hours: 3
- [CS 352 - Programming Languages](#) Credit Hours: 3
- [CS 356 - Operating Systems](#) Credit Hours: 3
- [CS 365 - Theory of Computation](#) Credit Hours: 3
- [CS 467 - Introduction to Artificial Intelligence](#) Credit Hours: 3
- [MATH 186 - Calculus II](#) Credit Hours: 3
- ~~[MATH 187 - Calculus Computer Laboratory](#) Credit Hours: 4~~
- [MATH 278 - Computational Mathematics Lab](#)

Select 8* hours from:

- [CHEM 131 - General Chemistry Laboratory I](#) Credit Hours: 1
- [CHEM 132 - General Chemistry Laboratory II](#) Credit Hours: 1
- [CHEM 133 - General Chemistry I](#) Credit Hours: 3
- [CHEM 134 - General Chemistry II](#) 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
- [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

*Up to 6 hours may count toward general education requirements and are not included in total major hours

Select 3 hours from:

- CS 200-499
- DET 200-499
- IS 300-499
- IT 300-499
- ITC 200-499
- ECEN 300-499

- [BLAW 363 - Introduction to Business Law and Ethics](#) Credit Hours: 3
- [MATH 286 - Calculus III](#) Credit Hours: 3
- [MATH 325 - Linear Algebra](#) Credit Hours: 3
- [MATH 351 - Abstract Algebra I](#) Credit Hours: 3
- [PHYS 453 - Machine Learning](#) Credit Hours: 3

Total: 24 Credit Hours
