



Mathematics AS-T Degree

FULL TIME

This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability.

Catalog: 2024-25

GE Pattern: CSU GE Breadth

Total Units: 60

First Year

Semester 1

14 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	MATH 400	Calculus I	5	B4
GE	ENGWR 300 / 480 ^H	College Composition	3	A2
GE		any Area C2 (Humanities) course	3	C2
GE		any Area E (Lifelong Learning) course	3	E

Semester 2

15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	MATH 401	Calculus II	5	
GE		any Area A1 (Oral Communication) course	3	A1
GE		any Area B1 (Physical Science) course	3	B1
GE		any Area B3 (Science Lab) course ¹	1	B3
GE		any Area D (Social Sciences) course	3	D

¹The Area B3 (Science Lab) course must correspond with either the Area B1 (Physical Science) or Area B2 (Life Science) course.

Second Year

Semester 3

15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	MATH 402	Calculus III	5	
GE		any Area A3 (Critical Thinking) course	3	A3
GE		any Area C1 (Arts) course	3	C1
GE		any Area D (Social Sciences) course	3	D
Elec		any elective course numbered 300-499	1	

Semester 4

16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	MATH 410	Introduction to Linear Algebra	3	
Req	MATH 420	Differential Equations	4	
GE		any Area B2 (Life Science) course	3	B2
GE		any Area C1 (Arts) or C2 (Humanities) course	3	C1 or C2
GE		any Area F (Ethnic Studies) course	3	F

TRANSFER PATH

Potential Transfer Majors:

- Mathematics B.S.

Potential Career/Options After Completing a Bachelor's Degree:

- actuary
- analyst
- statistician
- researcher
- educator

Advising Notes:

- This map starts with MATH 400, which has prerequisites. Please [see a counselor](#) to add in prerequisite courses, if needed.
- Students can substitute ESLW 340 for ENGWR 300/480.

Other Notes to Students Preparing to Transfer:

- Physics and computer programming courses are often required for transfer.
- STAT 300 is required for Math Education concentrations at many four-year universities.
- See [ASSIST.ORG](https://assist.org) for the transfer requirements of the institution to which you plan to transfer.
- The UC system requires proficiency in a language other than English equivalent to two years of high school study. [See a counselor](#) about fulfilling this requirement.

EXPLANATION OF CATEGORIES		
Req	Required Core	A course that is required for this program
GE	General Education	A course that fulfills a specific general education requirement for a degree, which can be replaced with another course that meets the same requirement
Elec	Degree Elective	A degree-applicable course that is part of a degree roadmap to ensure that there is a total of at least 60 units, which is a requirement for an associate degree

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Honors Courses (H):

Students with a cumulative GPA of 3.2 or better who complete 15 or more units of Honors coursework earn an Honors Transfer Certificate and can take advantage of honors-to-honors transfer agreements with highly selective colleges and universities, both public and private.