Physics AS-T Degree

PART 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: 2025-26

GE Pattern: Cal-GETC

Total Units: 60

First Year

Semester 1   8 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	MATH 400 Calculus I	5	through the placement process	2
GE	any Area 3A (Arts) course	3		3A

Semester 2   8 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	MATH 401 Calculus II	5	MATH 400	
GE	ENGL C1000 Academic Reading and Writing **or**	3		1A
	ENGL C1000H [H] Academic Reading and Writing - Honors	3		

Second Year

Semester 3   8 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	MATH 402 Calculus III	5	MATH 401	
GE	any Area 1B (Critical Thinking and Composition) course	3		1B

Semester 4   8 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	PHYS 410 Mechanics of Solids and Fluids	5	MATH 400	5A, 5C
GE	any Area 4 (Social & Behavioral Sciences) course (from 2 academic disciplines)	3		4

Third Year

Semester 5   7 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA

TRANSFER PATH

Potential Transfer Majors:

- Physics B.A. or B.S.

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

High school science teacher, research/development in government or private labs, graduate school. See the American Physical Society website (www.aps.org) for more information about careers in physics.

Advising Notes:

- Students working on this major are placed directly into MATH 400. See a counselor to determine if you would benefit from additional preparation or support courses.

- Students can substitute ESLW 340 for ENGL C1000/C1000H (formerly known as ENGWR 300/480).

- **Transferable Elective Courses:** any elective courses numbered 300-499, or having a 4-digit number starting with C.

Other Notes to Students Preparing to Transfer:

- CHEM 400 and 401 are often required for transfer.

- MATH 410 and 420 are often required for transfer.

- Computer programming courses are often required for transfer.

- See ASSIST.ORG for the transfer requirements of the institution to which you plan to transfer

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	PHYS 421 Electricity and Magnetism	4	MATH 401 and PHYS 410	
Elec	any transferable elective course	3		

Semester 6

7 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	PHYS 431 Heat, Waves, Light and Modern Physics	4	MATH 401 and PHYS 410	
GE	any Area 1C (Oral Communication) course	3		1C

Fourth Year

Semester 7

6 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
GE	any Area 4 (Social & Behavioral Sciences) course (from 2 academic disciplines)	3		4
GE	any Area 3B (Humanities) course	3		3B

Semester 8

8 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
GE	any Area 5B (Biological Sciences) course	3		5B
GE	any Area 6 (Ethnic Studies) course	3		6
Elec	any transferable elective course	2		

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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- The CSU system requires every student receiving a bachelor's degree to be knowledgeable about the Constitution of the United States, American history, and state and local government. This requirement is generally known as the American Institutions requirement. Students can complete this requirement at ARC before transferring. See a counselor for a list of approved courses.

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.