



# 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: 2024-25

GE Pattern: IGETC

Total Units: 60

## First Year

### Semester 1

8 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	MATH 400	Calculus I	5	2
GE		any Area 3A (Arts) course	3	3A

### Semester 2

8 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	MATH 401	Calculus II	5	
GE	ENGWR 300 / 480 <sup>H</sup>	College Composition	3	1A

## Second Year

### Semester 3

8 Units

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

### Semester 4

8 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	PHYS 410	Mechanics of Solids and Fluids	5	5A, 5C
GE		any Area 4 (Social & Behavioral Sciences) course	3	4

## Third Year

### Semester 5

6 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	PHYS 421	Electricity and Magnetism	4	
Elec		any elective course numbered 300-499	2	

### Semester 6

7 Units

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

## 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](http://www.aps.org)) for more information about careers in physics.

### Advising Notes:

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

### 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](http://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.

### Honors Courses (H):

## Fourth Year

### Semester 7

6 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
GE		any Area 4 (Social & Behavioral Sciences) course	3	4
GE		any Area 3B (Humanities) course	3	3B

### Semester 8

9 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
GE		any Area 7 (Ethnic Studies) course	3	7
GE		any Area 5B (Life Sciences) course	3	5B
GE		any Area 3A (Arts) or Area 3B (Humanities) course	3	3A or 3B

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.

#### 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

Published April 12, 2024