

# PRELIMINARY TEACHING CREDENTIAL - UNDERGRADUATE PROGRAM

## SINGLE SUBJECT: PHYSICS

### EARN A CREDENTIAL TO TEACH PHYSICS

Physics majors can take education courses as undergraduates to earn a California teaching credential. You will be prepared to teach PreK-12 students, typically in middle or high school. You must apply with the School of Education but can enroll in EDUG 331: Child Development and EDUG 401: Educational Foundations before the School of Education admission process.

→ [APPLY HERE](#)

→ [TALK TO AN ADMISSIONS COUNSELOR](#)

### MAJOR & EDUCATION COURSEWORK OVERVIEW

#### Physics Major

PHYS 231   PHYS 232   PHYS 233   PHYS 310   PHYS 349  
 Choose two: PHYS 331 or 332 or 341 or 344   PHYS 391   PHYS 491  
 MATH 121   MATH 122   MATH 221   MATH 235

\*Complete two of the four courses listed.

HIST 121 or POLI 111\*\* \*\* Not a major requirement, recommended to meet US Constitution credential requirement.

#### Education Coursework

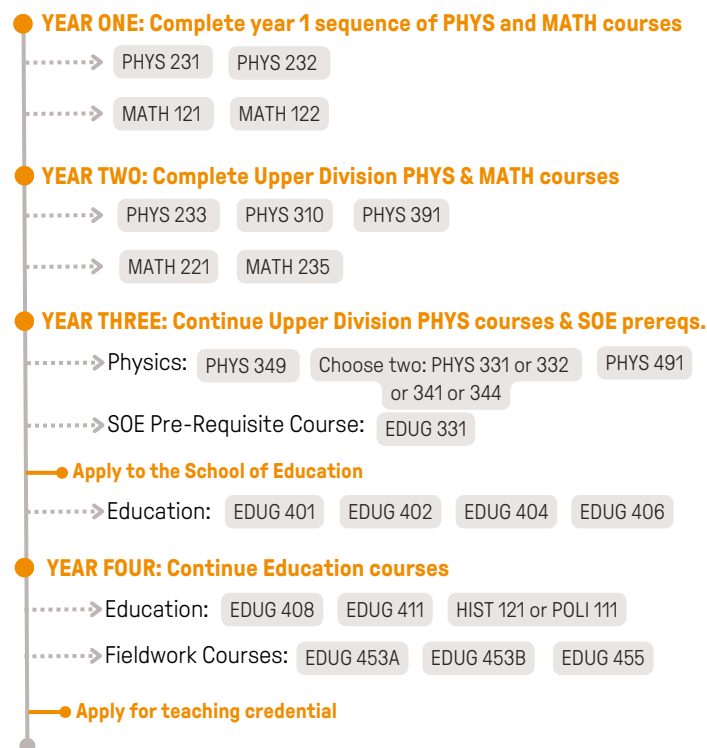
Must be completed prior to fieldwork  
 EDUG 331   EDUG 401   EDUG 402   EDUG 404  
 EDUG 406   EDUG 408   EDUG 411

#### Education, Student Teaching\*\*

EDUG 453A   EDUG 453B   EDUG 455  
 \*\* Internship is only available for master's degree students

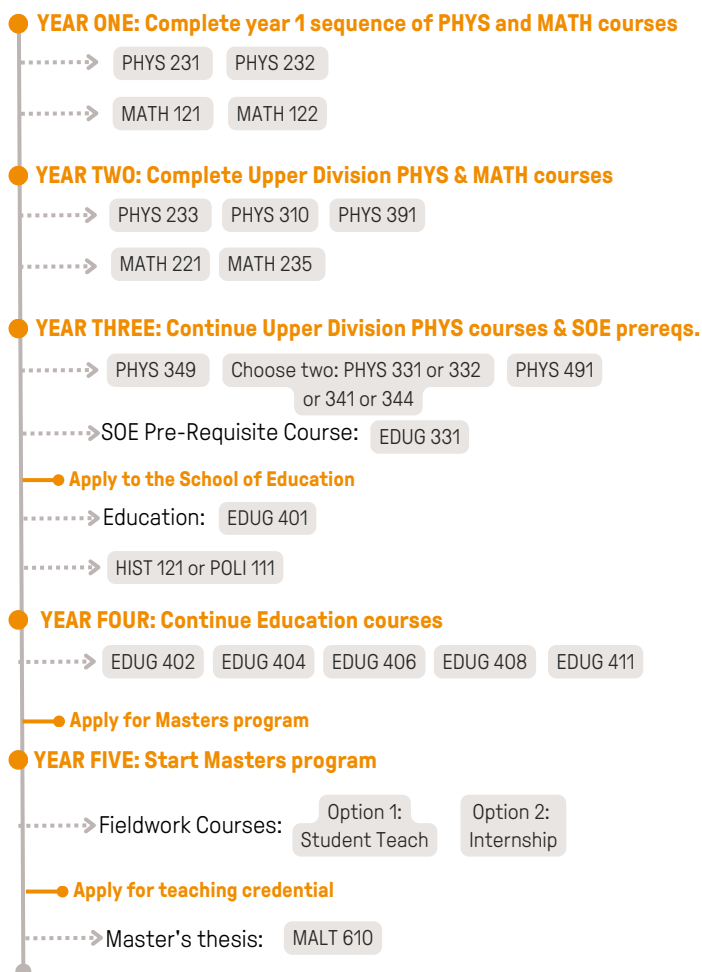
### 4 YEAR PATHWAY

Physics majors can complete their bachelor degree and earn a California teaching credential in 4 years. This is an example pathway that your advisor can help you plan.



### 4 YEAR + 1 YEAR MASTERS DEGREE PATHWAY

Physics majors can complete up to 18 credit hours of degree work toward a Master of Arts in Education, Learning and Teaching. This is an example of earning a Bachelor's degree, Master's degree, and California Teaching Credential in 5 years. With this pathway, clinical fieldwork must be completed at the graduate level.



→ [LEARN MORE ABOUT THE MASTERS PROGRAM](#)

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## SINGLE SUBJECT: PHYSICS

### EDUCATION COURSE OFFERINGS

Admissions Requirement  
and prerequisite for all  
other EDUG courses

Prerequisite for  
all other EDUG  
courses

Must be completed prior to fieldwork.

Fieldwork

	EDUG 331*	EDUG 401*	EDUG 402	EDUG 404	EDUG 406	EDUG 408	EDUG 411	EDUG 453A	EDUG 453B	EDUG 455
<b>Fall: Day Course</b>	X	X	X		X		X	7a	7b	
<b>Fall: Night Course</b>		X**	7a**	7b**	7a	7b	X			X
<b>Spring: Day Course</b>	X	X		X		X	X	7a	7b	
<b>Spring: Night Course</b>		X**	7a**	7b**	7a	7b	X			X
<b>May Term</b>			X	X						

- Courses marked with an X are 14 weeks long.
- 7a courses take place during the first 7 weeks of the semester.
- 7b course take place during the last 7 weeks of the semester.

\*course can be taken prior to admissions to the School of Education

\*\*EDUG 401, 402, and 404 night courses are offered in a hybrid format.

### FORMAT

- Night courses meet twice per week.
- EDUG 401, 402, and 404 night courses are offered in a hybrid format. Courses meet in-person for the first session and synchronously online for the second session of the week.
- All daytime EDUG courses will remain 100% in-person.

### ADVISING

- Faculty advisors support Physics majors on the pathway to earn a bachelor's degree.
- The School of Education's Office of Student Success provides a variety of [advising services](#) to support Physics majors with education courses, fieldwork, and credential requirements.

### CLINICAL FIELDWORK

- Teacher candidates will have a clinical fieldwork experience where they experience solo-teaching. Undergraduates will complete student teaching. Master's degree students have the option to student teach, or teaching internship.
- [Learn more about the clinical fieldwork options.](#)

### PRELIMINARY CREDENTIAL REQUIREMENTS

- [Subject Matter Competency](#): Will be met through Bachelor's degree in Physics.
- [US Constitution Requirement](#): Can be met by taking POLI 111: Intro to American Politics or HIST 121: American History to 1877.
- [CPR Certificate](#): Must be completed to apply for clinical fieldwork.
- [CalTPA Cycle 1 and 2](#): Must be met for Preliminary Credential recommendation. Will be completed during student teaching or internship.