

# CAREER TECHNICAL EDUCATION TRANSITION GUIDE ROBOTICS

## 8TH-9TH GRADE

### Career Awareness & Exploration Options

To sign up for career awareness events, see your counselor or College & Career Center.

8th Grade Career Exploration Electives

CTE Roadshows, STEAM Day, Career Showcase events

CTE Summer Camps (July)

Take the College & Career Seminar Class 9th/10th-grade year or start a high school CTE Pathway

Take a Career Test  
[CA Career Zone](#)  
[CA Colleges](#)  
[VitaNavis](#)

## 10TH-12TH GRADE

### Career Preparation Options

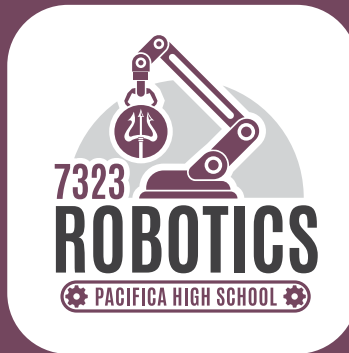
Take 2 years of a Robotics pathway or a related ROP/Community College class

Join career-ed after-school programs. Programs are 13 weeks, days and times vary.

[After-School Programs](#)

Career Expo

Attend workshops hosted by your College & Career Center. Workshops include: resume writing, interview skills, career-themed guest speakers, financial aid, scholarships, and more!



SCAN ME  
for program links and pathway info



# POST SECONDARY

## Career Training Options within 60 miles

### Community College (6 months to 2 years)

Oxnard College	Engineering, AS	<a href="https://bit.ly/42DydbO">https://bit.ly/42DydbO</a>
Ventura College	Engineering, AS	<a href="https://bit.ly/3p2FTa2">https://bit.ly/3p2FTa2</a>
Ventura College	Pre-Computer Science, AA	<a href="https://bit.ly/3oZEnW2">https://bit.ly/3oZEnW2</a>
Moorpark College	Engineering, AS	<a href="https://bit.ly/3MVtMTW">https://bit.ly/3MVtMTW</a>
Moorpark College	Computer Science, AST	<a href="https://bit.ly/3NBleid">https://bit.ly/3NBleid</a>
Santa Barbara City College	Engineering, AA/AS	<a href="https://bit.ly/42AoPpA">https://bit.ly/42AoPpA</a>
Santa Barbara City College	Computer Science, AST or AS	<a href="https://bit.ly/43ZTw8T">https://bit.ly/43ZTw8T</a>
Los Angeles Pierce College	Engineering Design & Technology, AS	<a href="https://bit.ly/4aRWVL2">https://bit.ly/4aRWVL2</a>
Los Angeles Pierce College	Programming for Computer Science, AS	<a href="https://bit.ly/4aRWVL2">https://bit.ly/4aRWVL2</a>
Los Angeles Valley College	Computer Science, AS	<a href="https://bit.ly/48MsPqs">https://bit.ly/48MsPqs</a>

### University of California (4 years)

University of California Los Angeles (UCLA)	Electrical Engineering, BS	<a href="https://bit.ly/3p47ibK">https://bit.ly/3p47ibK</a>
University of California Los Angeles (UCLA)	Computer Science, BS	<a href="https://bit.ly/42BRjz2">https://bit.ly/42BRjz2</a>
University of California Santa Barbara (UCSB)	Electrical Engineering, BS	<a href="https://bit.ly/3CoVFPF">https://bit.ly/3CoVFPF</a>
University of California Santa Barbara (UCSB)	Computer Science, BS	<a href="https://bit.ly/3oTsX6q">https://bit.ly/3oTsX6q</a>

### California State University (4 years)

California State University Channel Islands (CSUCI)	Mechatronics Engineering, BS	<a href="https://bit.ly/3N32wmB">https://bit.ly/3N32wmB</a>
California State University Channel Islands (CSUCI)	Computer Science, BS	<a href="https://bit.ly/3P3kM1W">https://bit.ly/3P3kM1W</a>
California State University Northridge (CSUN)	Mechanical Engineering, BS	<a href="https://bit.ly/42LizeU">https://bit.ly/42LizeU</a>
California State University Northridge (CSUN)	Computer Science, BS	<a href="https://bit.ly/42FVFFw">https://bit.ly/42FVFFw</a>

### Private (4 years)

University of Southern California (USC)	Applied Computational Mathematics, BS	<a href="https://bit.ly/3NqYBS5">https://bit.ly/3NqYBS5</a>
California Institute of Technology (Caltech)	Engineering & Applied Science, BS	<a href="https://bit.ly/3NrvTR7">https://bit.ly/3NrvTR7</a>

### Adult Education and Trade/Apprenticeship Programs (6 months to 2 years)

Simi Institute for Career & Education	CNC Operations and Programming, Certificate   Introduction to CAD/CAM Programming, Certificate   Advanced CNC Programming Concepts, Certificate	<a href="https://bit.ly/3SbxDQG">https://bit.ly/3SbxDQG</a>
Ventura Adult and Continuing Education (VACE)	3D Modeling and Design Drafter, Award   Computer Aided Drafter, Award	<a href="https://bit.ly/3NjWX3B">https://bit.ly/3NjWX3B</a>
Local 501	The Operating and Maintenance Engineers Apprenticeship Program	<a href="https://bit.ly/461Pr5B">https://bit.ly/461Pr5B</a>
International Union of Operating Engineers, Local 12 Covered6	Operating Engineer Apprenticeship	<a href="https://bit.ly/42Elwg3">https://bit.ly/42Elwg3</a>
	Defense Firearms Training   Private Security Academy	<a href="https://bit.ly/3HgeUxe">https://bit.ly/3HgeUxe</a>

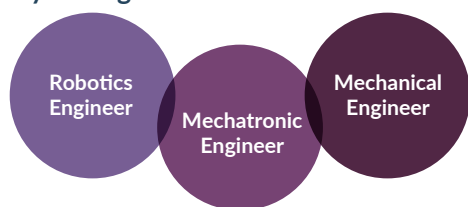
## Professional Organizations

Association for Computing Machinery  
<https://www.acm.org/>

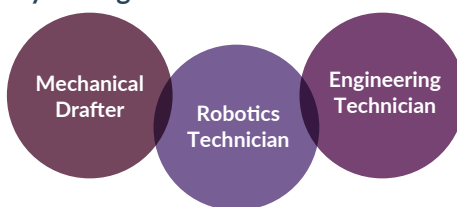
The American Society of Mechanical Engineers  
<https://www.asme.org/>

## Future Careers

4 year degree:



2 year degree:



Certificates/Training/Some College:



Additional Options:



## LEVELS OF EDUCATION

High School Diploma

Associates Degree or Certificate  
 6 MONTHS - 2 YEARS

+ 4 YRS

Master's Degree  
 + 2 YRS

Doctorate  
 + 3-4 YRS

How much can I make? [www.bls.gov/oo](http://www.bls.gov/oo)

How many jobs are out there? [www.onetonline.org](http://www.onetonline.org)