

CAREER TECHNICAL EDUCATION TRANSITION GUIDE ACADEMY OF ENGINEERING & DESIGN

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

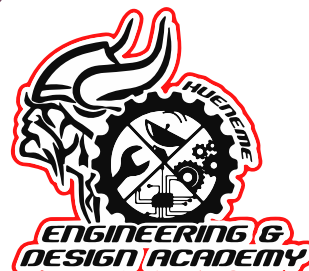
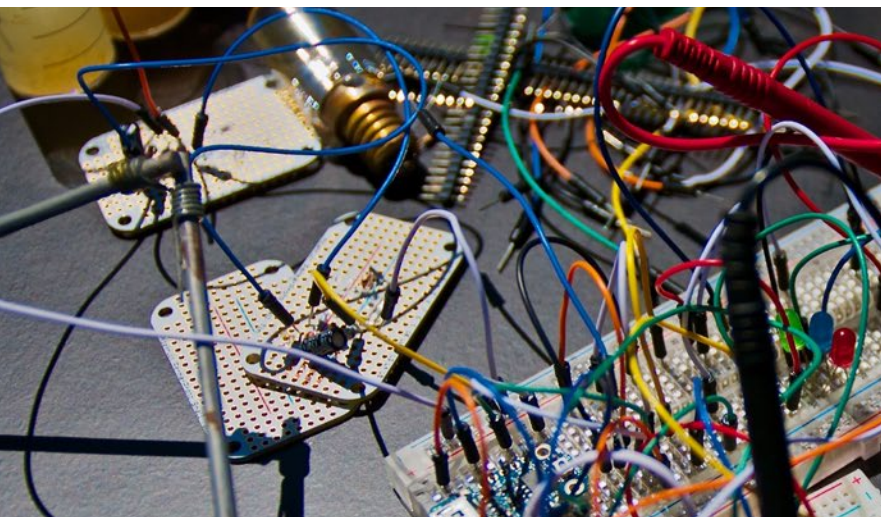
Take 2 years of an Academy of Engineering & Design or a related ROP/Community College class

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	https://bit.ly/42DydbO
Ventura College	Engineering, AS	https://bit.ly/3p2FTa2
Ventura College	Pre-Computer Science, AA	https://bit.ly/3oZEnW2
Moorpark College	Engineering, AS	https://bit.ly/3MVtMTW
Moorpark College	Computer Science, AST	https://bit.ly/3NBLeid
Santa Barbara City College	Engineering, AA/AS	https://bit.ly/42AoPpA
Santa Barbara City College	Computer Science, AST or AS	https://bit.ly/43ZTw8T
Los Angeles Pierce College	Engineering Design & Technology, AS	https://bit.ly/4aRWVL2
Los Angeles Pierce College	Programming for Computer Science, AS	https://bit.ly/4aRWVL2
Los Angeles Valley College	Computer Science, AS	https://bit.ly/4cpXoVr

University of California (4 years)

University of California Los Angeles (UCLA)	Electrical Engineering, BS	https://bit.ly/3p47ibK
University of California Los Angeles (UCLA)	Computer Science, BS	https://bit.ly/42BRjz2
University of California Santa Barbara (UCSB)	Electrical Engineering, BS	https://bit.ly/3CoVFPP
University of California Santa Barbara (UCSB)	Computer Science, BS	https://bit.ly/3oTsX6q

California State University (4 years)

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

Private (4 years)

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

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	https://bit.ly/3SbxDQG
Ventura Adult and Continuing Education (VACE)	3D Modeling and Design Drafter, Award Computer Aided Drafter, Award	https://bit.ly/3NjWX3B
Local 501	The Operating and Maintenance Engineers Apprenticeship Program	https://bit.ly/461Pr5B
International Union of Operating Engineers, Local 12	Operating Engineer Apprenticeship	https://bit.ly/42Elwg3

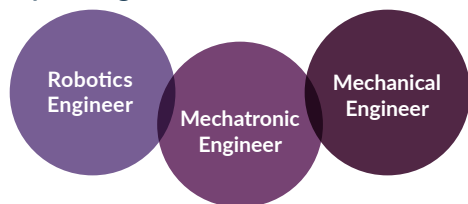
Professional Organizations

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

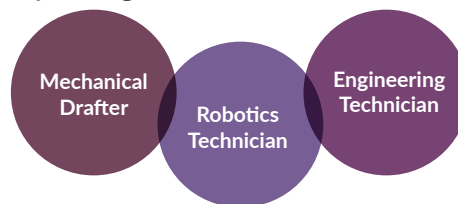
The American Society of Mechanical Engineers
<https://www.asme.org/>

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

How many jobs are out there? www.onetonline.org