CAREER TECHNICAL EDUCATION
TRANSITION GUIDE
ACADEMY OF ENGINEERING: ROBOTICS TECHNOLOGY ICT

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

10TH-12TH GRADE — Career Preparation Options

- Take 2 years of a Robotics Technology ICT 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!



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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	http://bit.ly/4nvyM33
Los Angeles Pierce College	Programming for Computer Science, AS	http://bit.ly/3Iq553Y
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/3CoVFPF
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	http://bit.ly/47Tb7EI
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	http://bit.ly/4nds2Xm
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/42EIwg3
Covered6	Defense Firearms Training | Private Security Academy	https://bit.ly/3HgeUxe

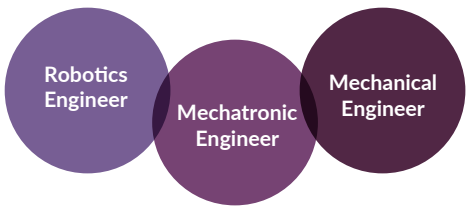
Professional Organizations

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

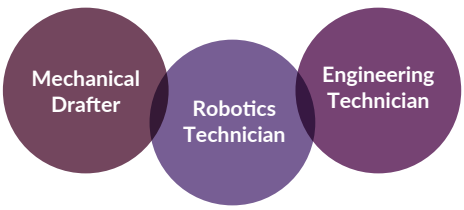
The American Society of Mechanical Engineers
https://www.asme.org/

Future Careers

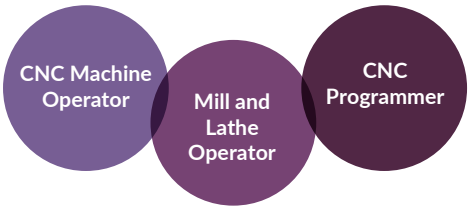
4 year degree:



2 year degree:



Certificates/Training/Some College:



Additional Options:



County of Ventura
Business Services
www.ventura.org

How much can I make? www.bls.gov/ooh

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

LEVELS OF EDUCATION

- **High School Diploma**
- **Associates Degree or Certificate** — 6 MONTHS - 2 YEARS
- **Bachelor's Degree** — + 4 YRS
- **Master's Degree** — + 2 YRS
- **Doctorate** — + 3-4 YRS

CARRERA DE EDUCACIÓN TÉCNICA

GUÍA DE TRANSICIÓN

ACADEMIA DE INGENIERÍA: ROBÓTICA TECNOLOGÍA TIC

8VO-9NO GRADO — Opciones de exploración y conocimiento profesional

Para inscribirse en eventos de concientización profesional, consulte a su consejero o al Centro Universitario y Profesional.

- Materias Optativas de exploración profesional de octavo grado
- Espectáculos itinerantes de CTE, Día STEAM, eventos de exhibición de carreras
- Campus de verano de CTE (julio)
- Realice la clase de seminario universitario y profesional en el noveno y décimo grado o comience un programa CTE en la escuela secundaria
- Realizar una evaluación de carrera
  - Zona de Carreras de CA
  - CA Colleges

10MO-12VO GRADO — Opciones para preparación profesional

- Realice 2 años de una especialidad de tecnología robótica TIC o una clase relacionada con ROP/colegio comunitario
- Inscríbase en programas extracurriculares de carreras. Los programas duran 13 semanas, los días y los horarios pueden variar.
  - Programas extracurriculares
- Exposición de carreras
- ¡Asista a los talleres organizados por su Centro universitario y de carrera. Los talleres incluyen: redacción de currículums, habilidades para entrevistas, oradores invitados con temas profesionales, ayuda financiera, becas y más!



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ESCANÉAME
para enlaces de programas e información de especialidades

NIVELES POSTERIORES A LA SECUNDARIA

Opciones de estudios de carreras dentro de las 60 millas

Colegio comunitario (de 6 meses a 2 años)		
Oxnard College	Ingeniería, AS	https://bit.ly/42DydbO
Ventura College	Ingeniería, AS	https://bit.ly/3p2FTa2
Ventura College	Preinformática, AA	https://bit.ly/3oZEnW2
Moorpark College	Ingeniería, AS	https://bit.ly/3MVtMTW
Moorpark College	Informática, AST	https://bit.ly/3NBLeid
Santa Barbara City College	Ingeniería, AA/AS	https://bit.ly/42AoPpA
Santa Barbara City College	Informática, AST o AS	https://bit.ly/43ZTw8T
Los Angeles Pierce College	Diseño y Tecnología de Ingeniería, AS	http://bit.ly/4nvyM33
Los Angeles Pierce College	Programación para Informática, AS	http://bit.ly/3Iq553Y
Los Angeles Valley College	Informática, AS	https://bit.ly/4cpXoVr
University of California (4 años)		
University of California Los Angeles (UCLA)	Ingeniería Eléctrica, BS	https://bit.ly/3p47ibK
University of California Los Angeles (UCLA)	Informática, BS	https://bit.ly/42BRjz2
University of California Santa Barbara (UCSB)	Ingeniería Eléctrica, BS	https://bit.ly/3CoVFPF
University of California Santa Barbara (UCSB)	Informática, BS	https://bit.ly/3oTsX6q
California State University (4 años)		
California State University Channel Islands (CSUCI)	Ingeniería Mecatrónica, BS	https://bit.ly/3N32wmB
California State University Channel Islands (CSUCI)	Informática, BS	https://bit.ly/3P3kM1W
California State University Northridge (CSUN)	Ingeniería Mecánica, BS	http://bit.ly/47Tb7EI
California State University Northridge (CSUN)	Informática, BS	https://bit.ly/42FVFFw
Privado (4 años)		
University of Southern California (USC)	Matemática Computacional Aplicada, BS	https://bit.ly/3NqYBS5
California Institute of Technology (Caltech)	Ingeniería y Ciencias Aplicadas, BS	https://bit.ly/3NrvTR7
Educación para adultos y programas de formación profesional (de 6 meses a 2 años)		
Simi Institute for Career & Education	Operaciones y Programación CNC, Certificado Introducción a la Programación CAD/CAM, Certificado | Conceptos Avanzados de Programación CNC, Certificado	http://bit.ly/4nds2Xm
Ventura Adult and Continuing Education (VACE)	Dibujante de Diseño y Modelado 3D, Premio | Dibujante Asistido por Computadora, Premio	https://bit.ly/3NjWX3B
Local 501	Ingenieros de Explotación y Mantenimiento Programa de Aprendizaje	https://bit.ly/461Pr5B
International Union of Operating Engineers, Local 12	Aprendizaje de Ingeniero Operativo	https://bit.ly/42EIwg3
Covered6	Entrenamiento en Defensa con Armas de Fuego | Academia de Seguridad Privada	https://bit.ly/3HgeUxe

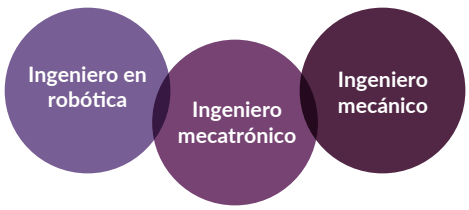
Organizaciones profesionales

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

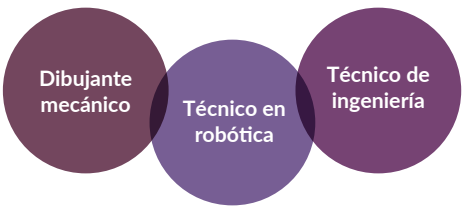
The American Society of Mechanical Engineers
https://www.asme.org/

Carreras futuras

Licenciaturas de 4 años:



Licenciaturas de 2 años:



Certificados/Capacitaciones/Algunas universidades:



Opciones adicionales:



Servicios Empresariales del Condado de Ventura
www.ventura.org

¿Cuánto puedo ganar? www.bls.gov/ooh

¿Cuántos empleos existen? www.onetonline.org

NIVELES DE EDUCACIÓN

