

CAREER TECHNICAL EDUCATION TRANSITION GUIDE

ACADEMY OF ENGINEERING: INFORMATION AND COMMUNICATION TECHNOLOGIES

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

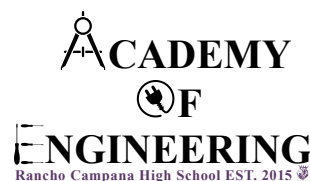
Career Preparation Options

Take 2 years of an
Information and
Communication
Technologies
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	Computer Networking Information Technology, AS	https://bit.ly/43UGgSJ
Ventura College	Pre-Computer Science, AA	https://bit.ly/3oZEnW2
Moorpark College	Computer Science, AST Computer Network Systems Engineering, AS Cybersecurity, AS	https://bit.ly/3oXfHxq
Santa Barbara City College	Computer Science, AST or AS	https://bit.ly/43ZTw8T
Santa Barbara City College	Computer Information Systems, AS	https://bit.ly/43PA7Hs
Santa Barbara City College	Computer Network Engineering, AS	https://bit.ly/43UGTf3
Los Angeles Pierce College	Programming for Computer Science, AS Cloud, Networking, and Cyber Security, AS	http://bit.ly/3lq553Y
Los Angeles Valley College	Computer Science, AS	http://bit.ly/46vkJTF

University of California (4 years)

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

California State University (4 years)

California State University Northridge (CSUN)	Computer Science, BS Computer Information Technology, BS	https://bit.ly/42FVFFw
California State University Channel Islands (CSUCI)	Computer Science, BS Information Technology, BS	https://bit.ly/3P3kM1W

Private (4 years)

California Lutheran University (CLU)	Computer Science, BS	https://bit.ly/3oY66GC
California Lutheran University (CLU)	Computer Information Systems, BS	https://bit.ly/3qvxxzS
Westmont College	Computer Science, BA or BS	https://bit.ly/43BxPfh

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

Ventura Adult and Continuing Education (VACE)	Computer Support Technician, Award Network Security Technician, Award Network Systems Technician, Award	https://bit.ly/3NjWX3B
Laurus College	Information Technology Systems Management, BS Information Technologies and Network Systems, AS Information Technologies and Network Systems, OAD	https://bit.ly/3JbelpQ
Charter College	Computer Information Systems, BS Computer Networking Systems, AAS Cybersecurity, AAS	https://bit.ly/3JbeCsS
Covered6	Security Specialist and Cyber Security Technician	https://bit.ly/3HgeUxe

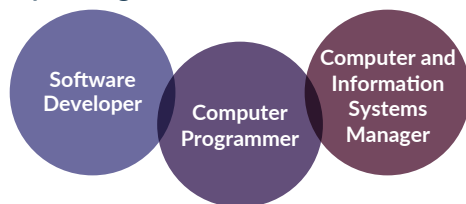
Professional Organizations

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

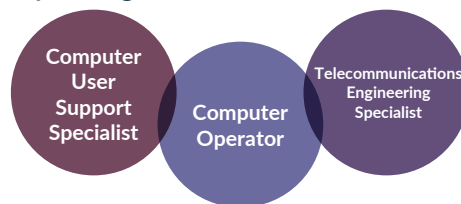
Association for the Advancement
of Artificial Intelligence
<https://www.aaai.org/>

Future Careers

4 year degree:



2 year degree:



Certificates/Training/Some College:



Additional Options:



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

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

LEVELS OF EDUCATION

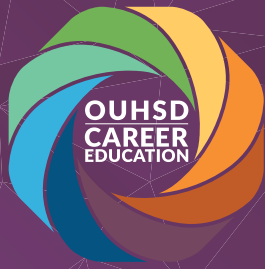
High School Diploma

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: TECNOLOGÍAS DE LA INFORMACIÓN Y LAS COMUNICACIONES

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

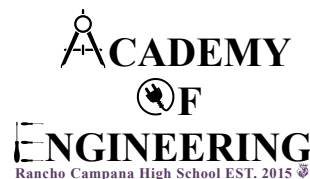
Opciones para preparación profesional

Realice 2 años de una especialización en Tecnologías de la Información y las Comunicaciones 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!



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	Redes de Computadoras Tecnología de la información, AS	https://bit.ly/43UGgSJ
Ventura College	Preinformática, AA	https://bit.ly/3oZEnW2
Moorpark College	Informática, AST Ingeniería de Sistemas de Redes Informáticas, AS Ciberseguridad, AS	https://bit.ly/3oXfHxq
Santa Barbara City College	Informática, AST o AS	https://bit.ly/43ZTw8T
Santa Barbara City College	Sistemas Informáticos, AS	https://bit.ly/43PA7Hs
Santa Barbara City College	Ingeniería Informática de Redes, AS	https://bit.ly/43UGTf3
Los Angeles Pierce College	Programación para Ciencia informática, AS Nube, Redes y Ciberseguridad, AS	http://bit.ly/3lq553Y
Los Angeles Valley College	Informática, AS	http://bit.ly/46vkJTF

University of California (4 años)

University of California Los Angeles (UCLA)	Informática, BS	https://bit.ly/42BRjz2
University of California Los Angeles (UCLA)	Ingeniería Informática, BS	https://bit.ly/3NnZARZ
University of California Santa Barbara (UCSB)	Informática, BS Ingeniería Informática, BS	https://bit.ly/3oTsX6q

California State University (4 años)

California State University Northridge (CSUN)	Informática, BS Tecnología de la Información informática, BS	https://bit.ly/42FVFFw
California State University Channel Islands (CSUCI)	Informática, BS Tecnología de la Información, BS	https://bit.ly/3P3kM1W

Privado (4 años)

California Lutheran University (CLU)	Informática, BS	https://bit.ly/3oY66GC
California Lutheran University (CLU)	Sistemas de Información Informática, BS	https://bit.ly/3qvxxzS
Westmont College	Informática, BA o BS	https://bit.ly/43BxPfh

Educación para adultos y programas de formación profesional (de 6 meses a 2 años)

Ventura Adult and Continuing Education (VACE)	Técnico en Soporte Informático, Beca Técnico en Seguridad de Redes, Beca Técnico en Sistemas de Redes, Beca	https://bit.ly/3NjWX3B
Laurus College	Gestión de Sistemas de Tecnología de la Información, BS Tecnologías de la Información y Sistemas de Redes, AS Tecnologías de la Información y Sistemas de Redes, OAD	https://bit.ly/3JbelpQ
Charter College	Sistemas de Información Informática, Licenciatura Sistemas de Redes Informáticas, AAS Ciberseguridad, AAS	https://bit.ly/3JbeCsS
Covered6	Especialista en Seguridad y Técnico en Ciberseguridad	https://bit.ly/3HgeUxe

Organizaciones profesionales

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

Association for the Advancement of Artificial Intelligence
<https://www.aaai.org/>

Carreras futuras

Licenciaturas de 4 años:



Licenciaturas de 2 años:



Certificados/Capacitaciones/Algunas universidades:



Opciones adicionales:



¿Cuánto puedo ganar? www.bls.gov/ooh

¿Cuántos empleos existen? www.onetonline.org

NIVELES DE EDUCACIÓN

Diploma de secundaria

Título de asociados o Certificado 6 MESES - 2 AÑOS

Título universitario + DE 4 AÑOS

Maestría + DE 2 AÑOS

Doctorado + DE 3-4 AÑOS