

START

HIGH SCHOOL

**1** TAKE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (STEM) CLASSES

**2** GET INVOLVED  
Join or start clubs (robotics, programming)  
Attend a coding camp  
Start learning how to write code (ex: HTML, Javascript)

**3** LEARN ABOUT DIFFERENT TECHNOLOGY CAREERS  
Talk with teachers and counselors  
Meet people who work in technology careers in any industry

**4** DECIDE ON A COLLEGE PATH DURING YOUR JUNIOR AND SENIOR YEARS  
Visit college fairs  
Tour colleges  
Submit applications

# PATHWAY TO A TECHNOLOGY CAREER IN THE ENERGY INDUSTRY

## WHY PURSUE A CAREER IN TECHNOLOGY?

From preventing cyberattacks, to automating field operations, to analyzing data to improve business practices, technology professionals in the energy industry help companies thrive in the modern world.

**\$101,387**

Average annual salary of technology professionals in the US

**\$106,062**

Average annual salary of technology professionals in California's oil and gas industry.

11/15/17

To learn more, visit [CEICareersInEnergy.com](http://CEICareersInEnergy.com)

**7** 2ND YEAR OF COLLEGE – DECIDE YOUR MAJOR  
Talk with your advisor(s) and professors

**6** MEET WITH YOUR ADVISOR(S)  
Select classes that work for you  
Don't take ALL hard classes

**5** BE ENGAGED IN COLLEGE  
Go to class  
Talk with your professors  
Find a study group  
Use free tutoring services

**7a** COMMUNITY COLLEGE STUDENTS DECIDE WHERE TO TRANSFER  
Meet with your advisor(s)  
Tour university campuses  
Talk to transfer students  
Make sure you've passed all CSU/UC-required courses

**8** GET INVOLVED  
Seek out a career mentor  
Participate in internships  
Join LinkedIn  
Attend networking events  
Join professional organizations – Women in Technology (WIT), National Association of Programmers

**9** BEFORE GRADUATION  
Talk to your professors about jobs  
Ask for letters of recommendation and references  
Talk with professional organization members

**10** GRADUATE WITH A TECHNOLOGY DEGREE

COLLEGE

Now you're ready for a technology career in the energy industry!

Congratulations!

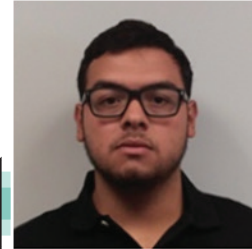
CALIFORNIANS FOR ENERGY INDEPENDENCE



CAREERS IN ENERGY

# MEET CARLOS

## HIS PATHWAY TO A TECHNOLOGY CAREER IN THE ENERGY INDUSTRY



**NAME:** Carlos Pelayo  
**POSITION:** Facilities Engineer  
**COMPANY:** Seneca Resources Corporation  
**PASSION:** Family and soccer

**ALWAYS ENJOYED MATH AND SCIENCE FOR THE GRATIFICATION FROM SOLVING PROBLEMS ON HIS OWN**



**BORN TO MEXICAN IMMIGRANTS IN BAKERSFIELD**

Father worked two jobs until entering the oil industry when Carlos was 12

**WENT STRAIGHT FROM HIGH SCHOOL TO CSU BAKERSFIELD AND EARNED A BACHELOR'S DEGREE IN ENGINEERING SCIENCES**

Member of Society of Hispanic Professional Engineers

Helped start the CSUB chapter of the Society of Petroleum Engineers

Took computer programming, Autocad, and Maple classes

Interned at Seneca Resources Corporation



**WORKED AS AN ENGINEERING TECHNICAL SPECIALIST AT OXY-VINTAGE PRODUCTION AFTER GRADUATING**



**NOW WORKING AT SENECA RESOURCES CORPORATION AS A FACILITIES ENGINEER WHERE HE**

Uses Google Earth and Autocad to plot out new production facilities

Uses Microsoft Excel to run calculations and Microsoft Project to design facilities

Uses software programs to monitor for field equipment issues allowing for real-time troubleshooting

**IS CONSIDERING PURSUING AN MBA IN THE FUTURE**

**WHAT WILL YOUR PATH BE?**