

START

HIGH SCHOOL

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

**2 GET INVOLVED**  
Join or start clubs (robotics)  
Find a mentor/teacher  
Tour colleges

**3 LEARN ABOUT ENGINEERING**  
Talk with teachers and counselors  
Meet an engineer

**4 DECIDE ON A COLLEGE PATH DURING YOUR JUNIOR AND SENIOR YEARS**  
Submit applications  
Apply for scholarships  
Take practice tests

# PATHWAY TO BECOMING AN ENGINEER

## WHY BE AN ENGINEER?

Engineers design, build, and maintain the things we need for our modern lives – car engines, robots, cell phones, software systems, airplanes, roads and oil wells.

**\$89,000**

Average yearly wage of engineers in the US

**\$121,729**

Average yearly wage of oil and gas industry engineers in California.

Follow the pathway to find out what it takes for you to become an engineer.

**"You don't need to be a genius to become an engineer, everything can be learned."** – Esmeralda Macedo, Process and Water Quality Engineer, California Resources Corporation

**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 and career fairs  
Join professional organizations - SHPE

**9 BEFORE GRADUATION**

Talk to your professors about jobs  
Ask for letters of recommendation and references  
Take the Engineer -In-Training (EIT) Exam  
Talk with professional organization members  
Update your resume and cover letter

**10 GRADUATE WITH A DEGREE IN ENGINEERING**

Now you're an engineer!

Congratulations!

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

CALIFORNIANS FOR ENERGY INDEPENDENCE



CAREERS IN ENERGY

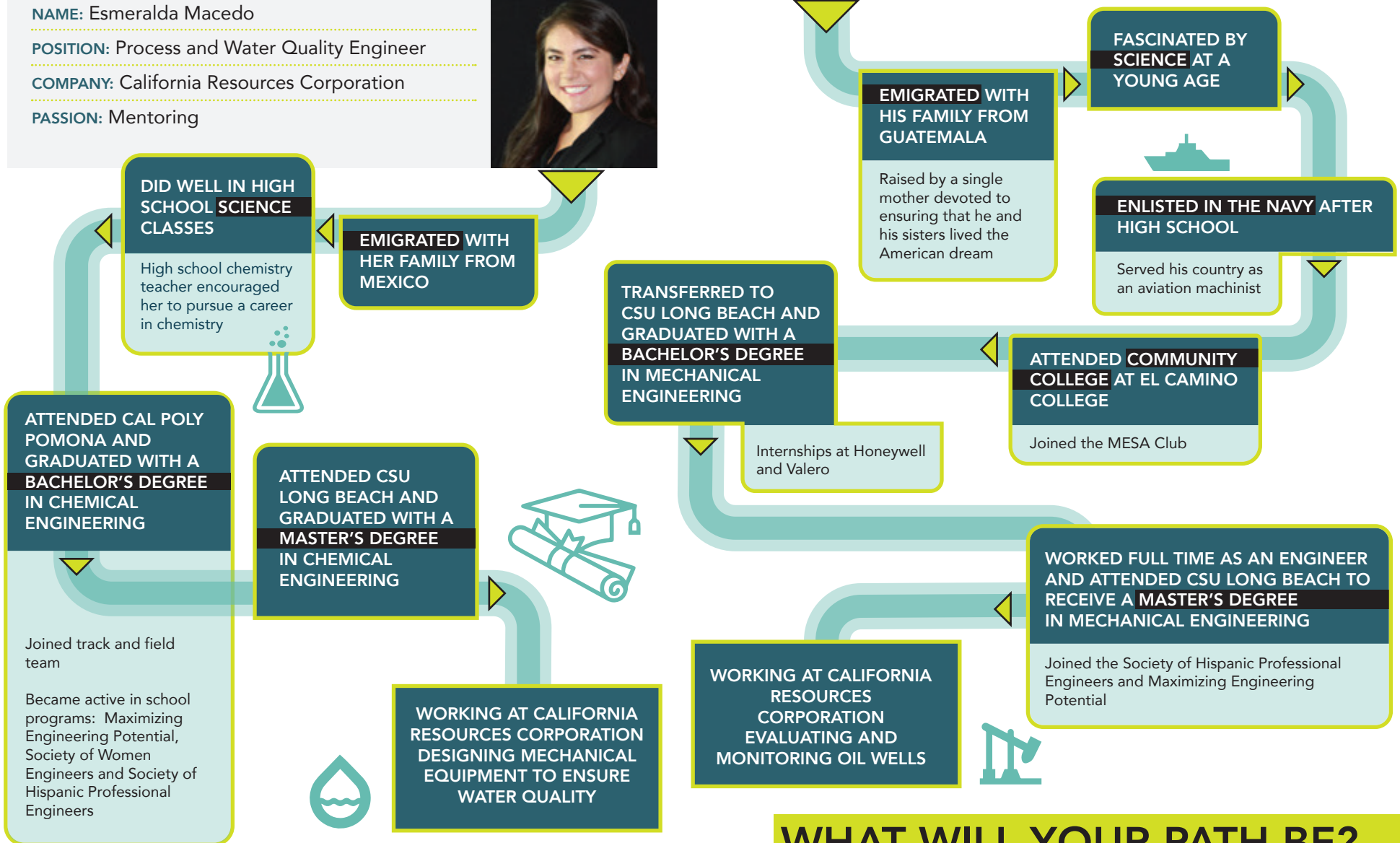
# MEET ESMERALDA AND ESTUARDO

## HOW DID THEY BECOME ENGINEERS?



**NAME:** Estuardo Iriarte  
**POSITION:** Operations Engineer  
**COMPANY:** California Resources Corporation  
**PASSION:** Spending time with family

**NAME:** Esmeralda Macedo  
**POSITION:** Process and Water Quality Engineer  
**COMPANY:** California Resources Corporation  
**PASSION:** Mentoring



**WHAT WILL YOUR PATH BE?**