START

HIGH SCHOOL

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

GET INVOLVED

Join or start clubs (robotics)

Find a mentor/ teacher

Tour colleges

2ND YEAR OF

YOUR MAJOR

Talk with your

advisor(s) and

professors

7a

COLLEGE - DECIDE

LEARN ABOUT **ENGINEERING**

> Talk with teachers and counselors

> Meet an engineer

MEET WITH YOUR

Select classes that

Don't take ALL

hard classes

ADVISOR(S)

work for you



DECIDE ON A COLLEGE PATH **DURING YOUR JUNIOR AND SENIOR YEARS**

Submit applications

Apply for scholarships Take practice tests

BE ENGAGED **IN COLLEGE**

Go to class

Talk with your

Use free tutoring services



professors

Find a study group



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.

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

GET INVOLVED

Seek out a career mentor

Participate in internships

Join LinkedIn

Attend networking events and career fairs

Join professional organizations -**SHPE**

BEFORE GRADUATION

Talk to your professors about iobs

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

KEEP IN MIND!

Don't worry about where you attend college. All engineers get paid well, no matter what school they're from.

GRADUATE WITH A **DEGREE IN ENGINEERING**



Now you're 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





MEET ESMERALDA AND ESTUARDO

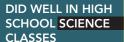
HOW DID THEY BECOME ENGINEERS?

NAME: Esmeralda Macedo

POSITION: Process and Water Quality Engineer

COMPANY: California Resources Corporation

PASSION: Mentoring

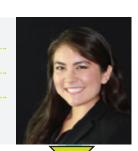


High school chemistry teacher encouraged her to pursue a career in chemistry

ATTENDED CAL POLY POMONA AND GRADUATED WITH A BACHELOR'S DEGREE IN CHEMICAL ENGINEERING

Joined track and field team

Became active in school programs: Maximizing Engineering Potential, Society of Women Engineers and Society of Hispanic Professional Engineers



TRANSFERRED TO

IN MECHANICAL

ENGINEERING

CSU LONG BEACH AND

GRADUATED WITH A BACHELOR'S DEGREE

EMIGRATED WITH HER FAMILY FROM MEXICO

ATTENDED CSU LONG BEACH AND GRADUATED WITH A MASTER'S DEGREE IN CHEMICAL ENGINEERING

> WORKING AT CALIFORNIA RESOURCES CORPORATION DESIGNING MECHANICAL EQUIPMENT TO ENSURE WATER QUALITY

NAME: Estuardo Iriarte

POSITION: Operations Engineer

COMPANY: California Resources Corporation

PASSION: Spending time with family



Raised by a single mother devoted to ensuring that he and his sisters lived the American dream FASCINATED BY SCIENCE AT A YOUNG AGE



Served his country as an aviation machinist

HIGH SCHOOL

ATTENDED COMMUNITY
COLLEGE AT EL CAMINO
COLLEGE

Joined the MESA Club

WORKING AT CALIFORNIA
RESOURCES
CORPORATION
EVALUATING AND
MONITORING OIL WELLS

Internships at Honeywell

and Valero

WORKED FULL TIME AS AN ENGINEER AND ATTENDED CSU LONG BEACH TO RECEIVE A MASTER'S DEGREE IN MECHANICAL ENGINEERING

Joined the Society of Hispanic Professional Engineers and Maximizing Engineering Potential



