

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
Shadow 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 A PROJECT ENGINEER

WHY BE A PROJECT 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 a project engineer.

7 2ND YEAR OF COLLEGE – DECIDE YOUR MAJOR
Talk with your advisor(s) and professors
Review your plan to ensure you're on track

6 MEET WITH YOUR ADVISOR(S)
Establish a plan and work the plan
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
Join clubs

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!

CALIFORNIANS FOR ENERGY INDEPENDENCE



CAREERS IN ENERGY

To learn more, visit CEICareersInEnergy.com

MEET DULCE

HER PATHWAY TO BECOMING AN ENGINEER IN THE ENERGY INDUSTRY



NAME: Dulce Hernandez

POSITION: Project Engineer

COMPANY: Chevron

PASSIONS: Project Management, Work/Life Balance, and encouraging youth to pursue STEM

"If it's easy, you're not challenging yourself. If you don't challenge yourself, you're not growing."

Born and raised in Bakersfield where she attended a local high school.

While in high school, she became interested in math and science.

Before attending college, she got a summer job at Texaco where she became interested in Engineering.

Attended Fresno State College, where she obtained a degree in Mechanical Engineering.

While attending college, she was involved in multiple clubs including:

- American Society of Mechanical Engineers (ASME) – served on the board
- Society of Women Engineers (SWE)
- Society of Hispanic Professional Engineers (SHPE)

Became a first-generation college graduate

During college, she **interned** for four summers with Chevron in both Bakersfield and Midland, Texas.

Upon graduation from Fresno State, she got hired on at Chevron as a Facilities Engineer.

As a Chevron employee, Dulce:

Is involved in the Chevron Women Employee Network, where she is a champion for the Petrotech and Community Outreach program.

Through this network, partners with the Society of Women Engineers to interact with students from local high schools and California State University, Bakersfield.

Also mentors with the Kern Economic Development Foundation.

As a **Project Engineer**, she works with cross-functional groups such as Process Engineers, Electrical Engineers and Operation Engineers and manages the expectations during the engineering phase and construction phase of projects.

Her job also includes the scheduling of projects and the balancing of budgets.

She has been with Chevron for 12 years.

WHAT WILL YOUR PATH BE?