

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.

"Join as many extracurricular programs as you can, and look into internships that will help you learn about the field. These experiences will be invaluable as you work toward your career goals."
– Michael Williams, Mechanical Integrity Engineering Lead, California Resources Corporation

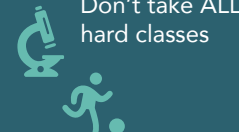
7 2ND YEAR OF COLLEGE – DECIDE YOUR MAJOR
Talk with your advisor(s) and professors

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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

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

5

8 GET INVOLVED

Seek out a career mentor
Participate in internships
Join LinkedIn
Attend networking events and career fairs
Join professional organizations - SHPE

8

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

9

10 GRADUATE WITH A DEGREE IN ENGINEERING



10



COLLEGE

Now you're an engineer!

Congratulations!

CALIFORNIANS FOR ENERGY INDEPENDENCE



CAREERS IN ENERGY

MEET MICHAEL

HIS PATHWAY TO BECOMING AN ENGINEER IN THE ENERGY INDUSTRY



NAME: Michael Williams

POSITION: Mechanical Integrity Engineering Lead

COMPANY: California Resources Corporation

PASSION: Teaching; taught engineering at Cypress College from 2009-2013



WHAT WILL YOUR PATH BE?