

Engineering

Kathleen Hetrick

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HOW TO MAKE BUILDINGS + CITIES BETTER PLACES TO LIVE



“A LOT OF TIME PEOPLE SAY THAT ENGINEERS NEED TO BE REALLY GOOD AT MATH. AND THAT’S DEFINITELY TRUE, BUT THAT’S NOT THE MAIN THING. ENGINEERS ARE PROBLEM-SOLVERS. YOU HAVE TO SEE A PROBLEM THROUGH AND THINK OF CREATIVE WAYS OF GETTING TO YOUR END GOAL, AND I THINK THAT’S REALLY THE IMPORTANT THING.”

Kathleen Hetrick is a sustainability engineer at Buro Happold and a LEED AP BD+C and EcoDistricts AP. As part of Buro Happold’s sustainability and physics team, Kathleen combines her passion for human-focused sustainable design with a technical background in mechanical engineering.

Video #1: Background (6:23)

Education background / Career path / Opportunities / Internships

Video #2: Engineering 101 (3:15)

What is Building Engineering? / What impact can you have? / Engineering + climate action / Types of engineering

Video #3: Skills / Experience Needed (4:43)

How to Get Started / Skills to Build + Undergraduate Majors / Design Should Be Climate-Specific / Applying engineering solutions to sustainable design

Video #4: Career Paths / Interests (4:26)

Engineering Careers / Construction /

Example Projects: Los Angeles Countywide Sustainability Plan, NFL Stadiums, Museum of the Future

STUDENT VIDEO REFLECTION