

Mechanical Engineering | BEYOND COLUMBIA

Studying Mechanical Engineering prepares me to . . .

Model and analyze thermal and mechanical systems, components, and processes

Design original components and systems using CAD software

Fabricate machine components and engineering devices

Collaborate on research projects, within multidisciplinary teams

Conduct literature reviews and market research

Design and conduct performance testing for engineering systems

Develop manufacturing plans

Evaluate project compliance with engineering codes and standards

Present and report on complex data, technical research, and projects

Apply creative problem-solving skills and knowledge of science, math, and engineering

Evaluate the social, economic, environmental, ethical, and global impact of engineering solutions

Learn about the undergraduate Mechanical Engineering program: me.columbia.edu

COLUMBIA UNIVERSITY CENTER FOR
Career Education

What are recent alumni doing?

A sample of places where department alumni started their careers.

JOB TITLE	ORGANIZATION	INDUSTRY
Plumbing Engineer	ARUP	Civil Engineering
Mechanical Engineer I	GENERAL DYNAMICS Electric Boat	Defense
Flight Control Engineer	BOEING	Aerospace
Engineer	Virgin ORBIT	Aerospace
Manufacturing Engineer	HONDA	Automotive
Chassis Design Engineer	Schlumberger	Oil & Gas
Field Engineer	ECOLAB	Manufacturing
Quality Engineer	Lbrands	Retail
Package Engineer	PEPSICO	Food & Beverage
Corporate Strategy Analyst	ASML	Hardware
Mechanical Design	pwc	Accounting
Technology Consultant	6 RIVER SYSTEMS	Transportation & Logistics

Graduate School

Recent alumni entered MS, MA, and PhD programs at . . .



For more industries and job titles to explore, visit What Can I Do With This Major at cce.columbia.edu/thismajor or schedule a meeting with a CCE career counselor.