# What Can I Do With a Major in Engineering?

Harvey Mudd College engineering alumni went on to the following organizations and universities between 2021 and 2025.

## Job Titles

Analyst
Applications Engineer
Assistant Staff
Associate Development Engineer
Associate Engineer
Associate Member of Technical Staff
Associate Professional Staff 1
Associate Project Engineer
Automated Materials Handling Systems Engineer
Avionics Engineer
Business Technology Solutions Analyst
Civil Engineering Associate
Communications Engineering Specialist
Custom Circuit Design Engineer
Development Program Associate Engineer
Digital ASIC Design Engineer
Digital Design Engineer
Dynamics Engineer
Electrical Engineer
Electro-Mechanical Engineer
Electronics Engineer
Engineer
Engineering Trainee
Entry Digital Engineer
Environmental Test Engineer
Firmware Engineer
Full Stack Engineer
Graduate Process Engineer
Hardware Design Engineer
Hardware Engineer
Hardware Systems Engineer
Harness Design Engineer
Industrial Engineer/Analyst
Industry X Analyst
Innovation Analyst
Management Development Associate
Management Development Program
Management Development Program Trainee
Manufacturing Design Engineer
Manufacturing Engineer
Materials and Processes Engineer
Mechanical Design Engineer
Mechanical Engineer
Operations Engineer
Performance Architect
Plant Simulation Engineer
Platform Advisory Analyst
Process and Development Engineer
Product Engineer
Product Test Engineer
Quality Engineer
Remote Handling Engineer I
Robotics Software Engineer
Sales Engineering Analyst
Signals Engineer
Silicon Solutions Engineer
Software Architecture Analyst
Software Developer
Software Engineer
Software Validation Engineer
Software-Defined-Radio Hardware Engineer 1
Spacecraft Avionics Engineer
Staff Engineer
Starlink Engineer
Systems Engineer
Technical Solutions Engineer
Technical Staff
Technologist
Technology Analyst
Test Engineer
Thermal Analyst
Tools and Automation Engineer
Transportation Engineering Associate
UI/UX Analyst

## Employers

Accenture
Adobe
AMD
Analog Devices
Apple
Applied Materials
Applied Medical
Astranis
Bear Robotics
Berkeley Lights
Bertram Capital
Blackstone
Blue Cheetah Analog Design
Blue Origin
Burns and McDonnell
Carnegie Robotics
Caterpillar Inc.
Deloitte
Eaton
Enovis
Epic
Exolambda
Fifth Gait
FixturFab
Freyer & Laureta Consulting Engineers
Google
HASA
Heliogen
Higher Ground LLC
Honeybee Robotics
Honeywell
In-Q-Tel
Intel
Invenergy LLC
Johns Hopkins Applied Physics Laboratory
Kairos Power
KAV
Lawrence Livermore National Laboratory
Lincoln Electric
Los Angeles Bureau of Engineering
Los Angeles Department of Transportation
Lyft
Mainstream Engineering
Masimo
McMaster-Carr
Microsoft
Millennium Space Systems
MIT Lincoln Laboratory
Naik Consulting Group, PC
NASA JPL
Naval Nuclear Laboratory
Northrop Grumman
Nvidia
Oncor Electric Delivery
PA Consulting
Qualcomm
Quartus Engineering
Rhode & Schwarz
Rio Tinto Kennecott
Second Order Effects
SpaceX
SprintRay
Stellar Pizza
Tesla
The Aerospace Corporation
Thoughtworks
TrellisWare Technologies
Triple Ring Technologies
Zoox

## Graduate Schools

Carnegie Mellon University
Cornell University
Duke University
Massachusetts Institute of Technology
Northwestern University
Purdue University
Stanford University
UC Berkeley
UC Irvine
UC San Diego
UC Santa Barbara
UCLA
University of Colorado
University of Pennsylvania
University of Southern California
University of Texas at Dallas
University of Washington
Yale University

## Summer Employers

Accenture*
Adept Group Inc.
Adobe
AeroVironment Inc.
Aethercomm Inc.
Alcon
Alfred Mann Foundation
Allogene Therapeutics
AMD
Americorps*
Antora Energy
Apple
Applied Energetics
Applied Materials
Aquillius Corporation

## Summer Employers

Arcadis
Areté Associates
Aryaka Networks
ATS Consulting
August Systems*
Auris Heath*
Axonics Inc.
Benchmark Associates*
Bertram Capital
BETA Technologies*
Bionaut Labs*
Biostrap
Blackstone
Bloomberg
Blue Cheetah Analog Design
Bobcat
Boeing
Broadcom
Build Group
Burns and McDonnell
Cahill Contractors
Calleva Farms*
Carnegie Mellon University
Carnegie Robotics LLC
Carollo Engineers
Center for Policing Equity
Chapman Economic Science Institute
City of Hope*
Clearpoint Neuro
Clearway
Cruise
Department of Transportation
Department of Defense*
Dusty Robotics
Efficient Power Conversion
Egghead Ventures*
Emerson Automation Solutions*
Environmental Design International*
Eta Compute
Ex Scientia Technologies*
Exolambda
Facebook*
Forever Oceans
FTS International
General Dynamics Electric Boat
General Motors
Georg Fisher
Glenair
Global Track Consulting
Gradient Comfort
Groundlight
Harvard-Smithsonian Center for Astrophysics
Heliogen
Hewlett Packard Enterprise
Hologic
Honeybee Robotics
Honeywell Aerospace
huMannity Medtec (formerly the Alfred Mann Foundation)
HUPR
Impact Venture Capital*
In-Q-Tel
Inland concrete constructors*
Institute of Telecommunication Sciences
Intel Corporation
Invenergy
Ivaldi
J.P. Morgan*
Jet Propulsion Laboratory
JITx*
Johns Hopkins Applied Physics Laboratory
Johnson and Johnson
Juniper Networks
KAV Sports
KGI*
L'Abeill
L&T Precision*
Lam Research
Lankford Fendler Consulting Engineers
Lawrence Berkeley National Lab
Lawrence Livermore
Linden Advisors
Lyft
McCormick and Company
Medtronic
Microsoft*
Millennium Space Systems
Miso Robotics
MIT Lincoln Labs*
Moog Aircraft*
Motiv power systems
Myra Vision
National Institutes of Standards and Technology*
Naval Sea Systems Command
Niagara Bottling LLC
Northrop Grumman*
Northstar*
Novartis Pharmaceuticals*
Nvidia
Oncor Electric Delivery*
Optimum Energy Co.
Origin Materials
P2S Inc.
Pacific Gas & Electric Company*
Pankow Builders*
Patriot Hydro
Physical Optics Corporation
Powerhouse
PTT Public Company Limited
Quadric.io
Qualcomm
Raytheon
Rexnord Aerospace*
Rio Tinto Kennecott
Sage Geosystems
San Francisco Public Utilities Commission*
Scotts Miracle-Gro
Second Order Effects
Semtech Corporation
ServiceNow
Siemens
Sierra lobo
Silvus Technologies
Sol Clarity
Solar Turbines
SpaceX
Stanford Linear Accelerator Center*
Strata
Synaptic Medical
Synopsys
Syska Hennessy Group
Systimmune Inc.*
Tesla Motors
Thailand Developmental Research Institute
The Aerospace Corporation*
The Links of North Dakota
The Western Group
TokenWorks Inc.*
TRANE
TRC Companies
TrellisWare Technologies
Trilobio
TuSimple
Texas Dept. of Transportation*
University of Waterloo
Vector Disease Control International*
Viasat
Vistra
Vodafone*
Volley Automation
Voxa Inc.
Winston-Salem State University and University of Maryland
Workday
Zoox

**companies that hired first-year students*

Here are a few areas that may interest an engineering major.

| Area | Employers |
|---|---|
| **ANY ENGINEERING DISCIPLINE** | |
| Chemical | Engineering firms |
| Civil | Business and consulting firms |
| Electrical | Federal, state and local government |
| Materials | Colleges and universities |
| Mechanical | |
| Production | |
| Software | |
| Management consulting | |
| Research and development | |

Areas of interest for an engineering major (CONTINUED)

| Area | Employers |
|---|---|
| **AEROSPACE**<br>Propulsion<br>Fluid mechanics<br>Thermodynamics<br>Structures<br>Celestial mechanics<br>Acoustics<br>Guidance and control | Aircraft and space industries<br>Communications equipment manufacturers<br>Commercial airlines<br>Federal government departments (e.g., U.S. Department of Defense, NASA)<br>Business and engineering firms |
| **BIOSYSTEMS**<br>Natural resources (soil and water conservation)<br>International consulting<br>Environmental control<br>Agricultural structures<br>Power and machinery<br>Electronic systems<br>Food engineering<br>Genetic engineering technology | Technological agricultural industries<br>Consulting firms<br>Equipment design, testing and manufacturing firms<br>Equipment and food industries including processing, packing and storing<br>Quality control for food, feed, fiber, etc.<br>Biotechnology research firms<br>Foreign service |

## What You Can Do Now

- Gain related work experience obtained through internships and part-time or summer jobs. This is extremely beneficial for engineering majors.
- Develop computer expertise within field.
- Learn to think in scientific and mathematical terms; study data, sort out important facts, solve problems and be a logical thinker. Creativity is useful.
- Practice intellectual curiosity, technical aptitude, perseverance. Develop the ability to communicate and work well with others and gain a basic understanding of the economic and environmental context in which engineering is practiced.
- Develop excellent verbal and written communication skills, including presentation and technical report writing.
- Join related professional organizations.

## What You Can Do After Graduation

- An undergraduate degree provides a wide range of career opportunities in industry, business and government.
- A bachelor's degree is good background for pursuing technical graduate degrees as well as professional degrees in business administration, medicine or law.
- Most states require an EIT (engineer-in-training) test before taking a state examination to become a professional engineer (PE).
- Graduate degrees offer more opportunities for career advancement.
- A PhD is optimal for teaching and research center positions.