What Can I Do With a Major in Engineering?

Below is a list of job titles, employers and graduate schools that Harvey Mudd College engineering alumni have chosen in the last five years.

Job Titles

Analyst
Antenna Design Engineer
Applications Engineer
Assistant Producer
Assistant Technical Staff
Associate Consultant
Associate Process Manager
Associate Process/Specialty Engineer
Avionics Build Engineer
Business Analyst
Component Design Engineer
Consulting analyst
Data and Policy Analyst
Digital Applications Rotation Engineer
Digital Design Engineer
Drafter
Dynamic Environments Engineer
Education Consultant
Electrical Engineer
Electro-Mechanical Engineer
Embedded Systems Engineer, Co-Founder
Energy Analyst
Field Research
Financial Analyst
Firmware Engineer
Flight Engineer
FPGA Engineer
Fuel Cell Technician/Engineer
Hardware Engineer
HVAC Engineer
Instrumentation Engineer
Junior R&D Engineer
Laboratory Technician
Loads Engineer
Manufacturing Engineer
Mechanical Engineer
Motion Scientist
Navigation Engineer
Nuclear Engineer
Patent Engineer
Performance and Flying Qualities
Print Production Manager
Process Engineer
Product Analyst
Product Systems Engineer
Project Engineer
Quality Analyst
Quantitative Researcher
Radio Frequency Engineer
Reliability Engineer
Research Engineer
RF Engineer
Rotational Engineer
Scientist
Signal Processing Engineer
Software Engineer
Spacecraft Electrical Engineer
Structures Engineer
Sustainability Analyst/ Mechanical Designer
Systems Engineer
Teacher
Technical Project Manager
Thermal Engineer
Trader
Transportation Engineering Associate
Turbomachinery Engineer
Valuation Engineer

Employers

Acumen LLC
AIC Education
Airforce Flight Test Center
Allston Trading
Alta Motors
Amazon.com
Arete Associates
ATS Consulting LLC
Aura Labs Inc
Bain & Company
Beats by Dr. Dre
Beckman Coulter
Beckman Laser Institute
Berkeley Lights
Bow Labs Inc.
Broadcom Corporation
California Medical Innovations
Cisco Meraki
ClearEdge Power
Cobham plc
Computer Task Group Inc.
Cosmodyne LLC
Deloitte
Department of the Navy
EA Engineering, Science and Technology Inc.
Elenion
Ernst & Young
Euvis Inc.
F5 Networks
Fenwick & West LLP
Fluor Corporation
Formlabs
Freescale Semiconductor
GE Capital
General Micro Systems Inc.
Gilead Sciences
Glumac
Goldman Copeland Associates PC
Headlands Technologies
Heliogen
Hewlett-Packard
Honeywell Aerospace
Intel Corporation
Jet Propulsion Laboratory
John McNeil & Co. Inc.
Johnson & Johson
Juniper Networks
Kulite Semiconductor Products
Laserfiche
Layer By Layer
LeisureLink
Leyden Energy Inc.
Lincoln Electric
Masimo Corporation
Massachusetts General Hospital
Matterport
Mazzetti Nash Lipsey Burch
MCB Marine Biological Lab
McMaster-Carr
Mercury Systems
Mesa Preparatory Academy
Microsoft Corporation
Millennium Space Systems
MIT Lincoln Laboratory
Monogram Systems
Moog
Motiv Power Systems Inc.
Netspeed Systems
NextEngine
Niagara Bottling
Northrup Grumman Corporation
Nvidia Corporation
Opto 22
Oracle Corporation
OSIsoft
Pacific Design Technologies Inc.
Pacific Energy Construction Corporation
Parco Inc.
Parker Aerospace
Peace Corps
Pearl Harbor Naval Shipyard
Preston Cinema Systems
Project A Ventures
PTAC Consulting Engineers
Pyramid Technical Consultants
Qualcomm
QLogic Corp.
Raytheon
Reasoning Mind
Referentia Systems Inc.
Riot Games
Sandia National Laboratories
Southern California Edison
Space Computer Corporation
SpaceX
SpectraSensors Inc.
Spot Trading LLC
SRI International
Stryker
Support.com
Teach for America
Teledyne Controls Inc.
Teradyne
Terumo BCT
Tesla
Texas Instruments Inc.
The Aerospace Corporation
The Boeing Company
The Pilot Group
The Raytheon Company
TrellisWare Technologies Inc.
Trivec-Avant Corporation
U.S. Army
U.S. Navy
Ursa Major Technologies
Verily Life Sciences
ViaSat Inc
Walt Disney Company
Waymo
Western Digital
Whistle Labs
ZestFinance
Zulily

Starting Salary Summary

High Salary Range
$120,000 or more

Low Salary Range
$50,000–$60,000

Median Salary Range
$80,000–$85,000

Graduate Schools

Baruch College
California Institute of Technology
Carnegie Mellon University
Chalmers University of Technology
Clemson University
Columbia University
Cornell University
Duke University
Florida State University
Georgia Institute of Technology
Harvard-MIT (joint Health Sciences and Technology Program)
John Hopkins University
Massachusetts Institute of Technology
New York University
Northeastern University
Northwestern University
Pennsylvania State University
Purdue University
San Jose State University
Stanford University
Tufts University
University of Alberta
University of California, Berkeley
University of California, Irvine
University of California, Los Angeles
University of California, San Diego
University of California, Santa Barbara
University of Colorado, Boulder
University of Florida
University of Illinois at Urbana-Champaign
University of Massachusetts Amherst
University of Michigan
University of Minnesota
University of North Carolina
University of Notre Dame
University of Southern California
University of Texas at Austin
University of Washington
Virginia Tech
Washington University Law School
Worcester Polytechnic Institute
Yale University

Summer Employers

Accenture*
Aerospace Corp
Alcon
Amazon*
Apple
August Systems*
Auris Health*
Avail Technologies*
Ball Aerospace
Berkeley Engineering Research
Bloom Energy
Blue Origin
Booz Allen Hamilton
Boston University (REU)
Cisco
City of Hope*
Clary Corporation
Cytovale
Delta Engineering*
DIRECTV
Discover Technology*
Doosan Bobcat
Edgenuity*
Elo Touch Solutions
Environet*
Fitbit
Formlabs
General Atomics*
Georgia Tech (REU)
Goldman Sachs
Google*
Honeywell
Hospira
HP
Intel
Intentional Software*
Jasper Design*
Johnson & Johnson
JPL
LiveData Inc.*
Masimo
Mayo Clinic (REU)
Meta*
Microsoft
Millennium Space Systems
Moog*
National Renewable Energy Laboratory
Netburner Inc.
Niagara Bottling
Northeastern University (REU)
Northrop Grumman*
Orflo Technologies*
Pacific Gas and Electric*
Pacific Northwest National Laboratory
Pankow Builders*
Pfizer
Qualcomm
Rexnord Aerospace*
Seagate Technology
Sidus Solutions*
Sikorsky Aircraft*
SLAC National Accelerator Lab*
SpaceX
Telaris Inc*
Texas Department of Transportation*
The Aerospace Corporation*
Transaction Wireless*
University of California, Santa Barbara (REU)
Viasat
Voodoo Manufacturing
Whirlpool
Workday

**companies that hired first-year students*

Average Summer Wage

First-year
$4,441 stipend

Sophomore
$5,679 stipend

Junior
$6,974 stipend

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

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

Areas interest for an engineering major (CONTINUED)

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