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
Data and Policy Analyst
Digital Applications Rotation Engineer
Drafter
Dynamic Environments Engineer
Education Consultant
Embedded Systems Engineer, Co-Founder
Electrical Engineer
Energy Analyst
FPGA Engineer
Field Research
Financial Analyst
Firmware Engineer
Fuel Cell Technician/ Engineer
Hardware Engineer
HVAC Engineer
Instrumentation Engineer
Laboratory Technician
Mechanical Engineer
Nuclear Engineer
Patent Engineer
Performance and Flying Qualities
Process Engineer
Product Analyst
Product Systems Engineer
Project Engineer
Quantitative Researcher
RF Engineer
Reliability Engineer
Research Engineer
Rotational Engineer
Software Engineer
Sustainability Analyst/ Mechanical Designer
Systems Engineer
Teacher
Trader

Starting Salary Summary

High Salary Range
$120,000 or more
Low Salary Range
$40,000 – $44,999

Median Salary Range
$75,000 - $79,999

Summer Employers

Aerospace Corp
Apple
Berkeley Engineering Research
Booz Allen Hamilton
DIRECTV
Discover Technology*
Formlabs
Goldman Sachs
Honeywell
Hospira
Intel
Jasper Design*
JPL
Netburner, Inc.
Northrop Grumman*
SpaceX
Telaris Inc*
Transaction Wireless*
Viasat

**companies that hired for first-year students*

Employers

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

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
John Hopkins University
Massachusetts Institute of Technology
Northwestern University
Pennsylvania State University
Purdue 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 Notre Dame
University of Massachusetts-Amherst
University of Michigan
University of Minnesota
University of North Carolina
University of Southern California
University of Texas at Austin
University of Washington
Washington University Law School
Worcester Polytechnic Institute
Yale University

Average Summer Wage

First-year $16/hour
Sophomore $18.70/hour
Junior $25/hour

HARVEY MUDD COLLEGE
Student Affairs
Office of Career Services

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

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