What Can I Do With a Major in Physics/ Joint Major in Computer Science and Physics/ Joint Major in Mathematics and Physics

Harvey Mudd College alumni who majored in physics; computer science and physics; and mathematics and physics went on to the following organizations and universities between 2021 and 2025.

Job Titles

Analyst

Nuclear Submarine Officer

Employers

Aurora Energy Research

U.S. Navy

Graduate Schools

California State University East Bay
Caltech
Colorado School of Mines
Cornell University
Duke University
Erasmus Mundus
Georgetown University
Harvard University
Iowa State University
Princeton University
Rice University
Rutgers University
Stanford University
SUNY Stony Brook
UC Berkeley
UC San Diego
UC Santa Barbara
UCLA
University of British Columbia
University of Chicago
University of Illinois Urbana-Champaign
University of Michigan
University of Minnesota

Summer Employers

Aerospace Corporation
Apple*
Atome Financial*
Boise State University REU
Brown University
Caltech REU*
Columbia University REU
Cornell University REU
DTE Energy
Fermilab REU
Foursquare
Frontier Development Labs
Indiana University-Purdue University Indianapolis REU
Louisiana State University REU
Millennium Space Systems
Montana State University REU
National Institute of Standards and Technology REU
Northwestern University*
PARADIM REU
Pennsylvania State University REU
Pomona College REU
Princeton Plasma Physics Laboratory REU
Psi Quantum
QC Ware
Qualcomm
SAS*
Scripps Institute of Oceanography REU
SLAC National Accelerator Lab REU
SpaceX
SSC Advent*
Texas A&M University REU
Tufts University REU
UC Davis REU
UC San Diego REU*
UC Santa Barbara REU
University of Alabama Huntsville & NASA Marshall Space Flight Center REU
University of Alberta REU
University of Chicago REU
University of Colorado, Boulder REU
University of Florida REU
University of Maryland REU
University of Michigan REU
University of Nebraska-Lincoln REU
University of Washington REU
Vanderbilt University REU

**companies that hired first-year students*

Here are a few areas that may interest physics and joint physics majors.

Area	Employers
ASTROPHYSICS	Colleges and universities
Teaching	Government laboratories (e.g., NASA)
Consulting	Research centers
Administration	Airports
Research	Commercial industry
Design	Aerospace industry
Astronautics	Observatories
	Planetariums
	Military

Areas of interest for a physics and joint physics major (CONTINUED)

Area	Employers
HEALTH PHYSICS	
Research and development Teaching Consulting Administration Monitoring inspection	Colleges and universities Government laboratories (e.g., U.S. Department of Defense, U.S. Department of Energy, U.S. Department of Health and Human Services) Nonprofit research centers Nuclear industry Environmental firms Hospitals
TECHNICAL	
Engineering (process and testing) Quality control Industrial hygiene Design development Technical writing Computer technology Research	Research and development firms Mining and petroleum companies Hospitals Engineering firms Professional and technical journals Government laboratories Manufacturing and processing firms Atomic and nuclear labs Government laboratories (e.g., U.S. Department of Commerce, U.S. Department of Defense) Television and radio stations Weather bureaus

What You Can Do Now

- Gain experience through volunteering, internships and part-time or summer jobs.
- Develop good oral and written communication skills.
- Supplement curriculum with courses in business, economics, computers or statistics for increased job opportunities.
- Build relationships with faculty by conducting research.
- Develop the ability to work well on teams.
- Talk to professionals in areas of interest to enhance knowledge and make contacts.
- Join related student professional associations.

What You Can Do After Graduation

- An undergraduate degree is often sufficient for entry-level positions, but an advanced degree may open the door to more upper-level opportunities. Pair a strong background in physics with another technical discipline such as computer science or engineering.
- A master's degree in physics, business or related fields will be helpful for advanced positions or for consulting jobs.
- A PhD is needed for academic positions and certain areas of research.