

WHAT CAN I DO WITH MY **PHYSICS** DEGREE?



EDUCATION

High Schools, Colleges, Universities, Science Centers

- Teacher
- Admissions Counselor
- Financial Aid Counselor
- Science Museum/Center Educator
- Science Writer
- Researcher

ASTRONOMY / GLOBAL POSITIONING SYSTEMS

Military, NASA, Telecommunications Companies, Universities, Museums

- Satellite System Test Manager
- Planetarium Technician
- Research Assistant
- Operation Engineer
- Spacecraft Analyst
- Lab Technician

ENERGY / ENVIRONMENT / MINING

Utilities, Oil Co., Government

- Radioactive Waste Inspector/Licensur
- Resource Analyst
- Environmental Analyst
- Seismic Prospecting Observer
- Geophysical Prospector
- Chemical Technician
- Power Plant Project Manager
- Pollution Control Technician
- Lab Assistant
- Compliance Officer
- Hazardous Waste Planner
- Radiation Monitor
- Air Pollution Analyst
- Water Quality Analyst
- Radiologic Technologist

RESEARCH / MANUFACTURING

Universities, Government, Industry

- Crime Lab Analyst
- Calibration Lab Technician
- Quality Control Technician
- Radiographer
- Research Assistant
- Test Engineer
- Production Assistant
- Field Researcher
- Lab Technician
- Lab Coordinator
- Process Engineer
- Project Engineer
- Product R&D Engineer/Designer
- Test Engine Operator
- Lab Supervisor

MEDICAL

Hospitals, Universities

- Radiology Lab Technician
- Health Physicist
- Lab Coordinator

COMMUNICATIONS / COMPUTERS

Telecommunications Equipment Manufactures, Utilities, Companies

- Photonics Technician
- Laser Technician
- Laser Jock
- Fast Static RAM Product Engineer
- Electronics Technician/Tester
- Test Technician
- Semiconductor Device Engineer
- System Engineer
- Process Engineer
- Computer Programmer

GOVERNMENT

Local, State and Federal Agencies - Legislative and Executive Branch

- Contract Administrator
- Researcher
- Public Affairs Officer
- Patent Examiner
- Science Advisor
- Procurement Officer
- Congressional/Legislative Aide
- Budget/Financial Assistant
- Legislative Research Asst.

SALES

- Engineering Supplies Sales Rep.
- Textbook Sales Rep.
- Technical Sales Rep.
- Ultrasound Equipment Sales Rep.
- Test Equipment Sales Rep.
- Communications Equipment Sales Rep.

SECURITIES / MONEY MANAGEMENT / FINANCE

Brokerage Firms, Discount Brokerage Houses, Banks, Insurance Co., SEC., Pension Funds

- Commodity Analyst
- Commodity Broker
- Financial Report Service Sales Rep
- Mutual Fund Analyst
- Sales Representative
- Securities Analyst
- Securities Sale Rep.
- Trader/Floor Broker
- Financial Planner
- Ratings Agency Analyst
- Financial Analyst
- Stockbroker
- Investigator Trainee
- Portfolio Manager
- Junior Financial Analyst

INSURANCE / BANKING

- Claims Adjudicator
- Claims Representative/Examiner
- Assistant Loan Officer
- Credit Analyst
- Insurance Broker
- Underwriter
- Trust Officer
- Credit/Collections Manager
- Insurance Agent
- Branch Assistant Manager
- Operations Manager
- Mortgage Banker/Officer

HUMAN RESOURCES

Businesses, Non-Profits, Employment Agencies, Government Agencies

- Technical Recruiter
- Hi-Tech Head Hunter

ADVERTISING / MARKETING / PUBLISHING

Advertising Agencies, Publishing Houses, Trade Magazines

- Marketing Research Analyst
- Research Assistant
- Technical Writer
- Trade Show Organizer
- Consumer Survey Supervisor
- Pollster
- Technical Accounts Ad Exec.
- Market Forecaster
- Assistant Textbook Editor
- Science Reporter

Preparation for a Competitive Job Market:

- **Focus on transferable skill sets** as you pursue a degree in Physics.
- **Obtain relevant internship, co-op, or volunteer experiences.**
- **Supplement Physics course work** with **classes** that are **relevant** to your career.
- **Meet with a Career Specialist** to explore options, make decisions, and prepare for career choices.

Additional Career Center Resources:

- **Major Resources (PHYS, BIOL, CHEM, ENGR, MATH):** <https://careers.umbc.edu/tools/majors/>
- **The Vault:** <https://careers2.umbc.edu/tools/vault/>

- Use the top search bar to find these relevant guides:

["Vault Guide to Nuclear Power Jobs"](#)

["Vault Guide to Oil and Gas Jobs"](#)

["Vault Guide to Energy Jobs"](#)

["Vault Guide to Aerospace Jobs"](#)

["Vault Guide to Mathematics and Physics Jobs"](#)

["Vault Guide to Architecture Jobs"](#)

["Vault Guide to Machining and Machinery Jobs"](#)

["Vault Guide to Space Exploration Jobs"](#)

["Vault Guide to Mining Jobs"](#)

["Vault Guide to Defense Jobs"](#)

- **Professional Organizations:**

American Institute of Physics: <https://www.aip.org/>

American Association of Physics Teachers: <https://www.aapt.org/>

American Physical Society: <http://www.aps.org/careers/index.cfm>

The American Center for Physics: <http://www.acp.org/>