

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



EDUCATION

High Schools, Colleges, Universities, Science Centers

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

ASTRONOMY / GLOBAL POSITIONING SYSTEMS

Military, NASA, Telecommunications Companies, Universities, Museums

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

ENERGY / ENVIRONMENT / MINING

Utilities, Oil Co., Government

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

RESEARCH / MANUFACTURING

Universities, Government, Industry

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

MEDICAL

Hospitals, Universities

- Radiology Lab Technician
- Health Physicist
- Lab Coordinator

COMMUNICATIONS / COMPUTERS

Telecommunications Equipment Manufactures, Utilities, Companies

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

GOVERNMENT

Local, State and Federal Agencies - Legislative and Executive Branch

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

SALES

- Engineering Supplies Sales Rep.
- Ultrasound Equipment Sales Rep.
- Communications Equipment Sales Rep.
- Textbook Sales Rep.
- Test Equipment Sales Rep.
- Technical 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 Firsthand:** <https://careers.umbc.edu/firsthand/>
 - Log in and/or create an account
 - Use the top search bar to find these relevant guides:
 - “Vault Guide to Nuclear Power Jobs, Second Edition”
 - “Vault Guide to Oil and Gas Jobs, Second Edition”
 - “Vault Guide to Energy Jobs, Second Edition”
 - “Vault Guide to Aerospace Jobs Third Edition”
 - “Vault Guide to Mathematics and Physics Jobs, Second Edition”
- **Professional Organizations:**
 - American Institute of Physics: <http://jobs.physicstoday.org/>
 - American Association of Physics Teachers: <http://careers.aapt.org/>
 - American Physical Society: <http://www.aps.org/careers/index.cfm>
 - The American Center for Physics: <http://www.acp.org/>