

WHAT CAN I DO WITH MY MAJOR?

PHYSICS

Physics involves the study of natural phenomena, focusing on fundamental principles governing matter, energy, and the universe's behavior. It consists of theoretical exploration, experimental investigation, and mathematical modeling to understand the physical laws that shape our world and beyond.

COMMON JOB TITLES * additional education or certification required post graduation

ENTRY & MID LEVEL POSITIONS

Astronomer*
Software Developer
Experimental Scientist*
Teacher/Professor*
Systems Analyst
Energy Consultant

Physicist*
Project Manager
Research Scientist*
Financial Analyst*
Technical Writer
Network Administrator

AREAS OF EMPLOYMENT: WHERE DO PHYSICS MAJORS TYPICALLY WORK?

Government: National Weather Service, NASA, NE Dept of Defense

Banks: FNBO, Union Bank & Trust, Core Bank

Research Institutions: UNMC, National Strategic Air Institute, NE Water Center

Energy & Utility Companies: OPPD, Black Hills Energy, MUD

Technology & IT Companies: Buildertrend, West Corporation, Infogroup

Healthcare: Nebraska Medicine, Methodist, Children's Hospital

Schools & Universities: OPS, UNO, UNL

Nonprofit Organizations: Henry Doorly Zoo, Lauritzen Gardens

Manufacturing Companies: Valmont, Tenaska, Werner Enterprises

Engineering Firms: HDR, Inc., Alvine Engineering, Morrissey Engineering

IMPORTANT QUALITIES:

Transferable Skills Gained:

Communication skills
Analytical skills
Mathematical skills
Detail-oriented
Critical-thinking skills

Concrete Skills Gained:

Microsoft Excel
MATLAB
Python
Mathematica
LabVIEW

HOW TO DEVELOP YOUR SKILLS :

Join a **UNO Student Organization** to connect with other students and explore your interests

Get involved with **UNO Mallery Kountze Planetarium** or **UNO Aim For the Stars** to gain hands-on experience

Attend events within the **UNO Physics Department** to stay up to date on current happenings & get involved in the community

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MAJOR + MINOR SPECIALIZATION: HOW CAN I SPECIALIZE IN SOMETHING BEFORE I GRADUATE?

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Physics + Mathematics minor = Physicist*

Physics + Computer Science minor = Software Developer

Physics + Business Analytics minor = Data Analyst

OCCUPATIONAL OUTLOOK:

Physicists

Technical Writers

Software Developers

EMPLOYMENT OPPORTUNITIES:

Check out daily job postings on **Handshake** related to accounting jobs, internships, and opportunities to boost your student experience

ADDITIONAL EDUCATION:

A **Masters degree, Doctoral Degree**, or other **Professional Degree** may be beneficial or required after graduation depending on your desired career path. Advanced degrees offers opportunities for advanced study, specialization, and development

More Information:

UNO Graduate Programs A-Z

OTHER RESOURCES :

UNO Department of Physics

Career Exploration in Career Services

U.S. Bureau of Labor Statistics: Occupational Outlook Handbook

NEED SOME EXTRA HELP?


Book an appointment with Career Services

Book an appointment with your Advisor

Career Services

 EAB 113

 6001 Dodge Street, Omaha, NE 68182

 402.554.3672

 careers.unomaha.edu

 careers@unomaha.edu

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