What you can do with your PHYSICS MAJOR

Problem Solving
You learn to solve quantitative and qualitative problems proficiently and find relationships between physical factors.

Critical Thinking
You learn how to define and analyze problems, identify factors that contribute to outcomes, and analyze connections.

Experimental Design & Measurement
You are able to design experiments or studies to answer specific questions, properly use standard and specialized instrumentation to make measurements, and quantitatively estimate the reliability of results.

Computational & Data Analysis
You learn to collect and organize quantitative and qualitative astronomical data; plan astronomical observations using scientific computing methods; test hypotheses; and properly conduct and interpret statistical analysis.

Data Modeling
You build and interpret mathematical models of astronomical data using scientific computing methods.

Written & Oral Communication
You communicate concepts and results effectively with scientific peers, both orally and in writing.

Supplement Your Skills With:

Gain Experience: Research, Internships, Part-Time Work & Data Competitions

Ethical Conduct in Data Analysis & Privacy

Career & Self Development

Oral & Written Communication With the Public

Experience Fostering Professional Equity & Inclusion

Chart Your Path Forward
Activate Your Handshake Account for connections to jobs, internships, employer & alumni networking.

Explore Career Communities to discover a wide variety of fields where you can turn your major into success.

Get Career & Internship Advising from SuccessWorks to make a plan, whether you’re a first-year student or about to graduate.

Get Started: successworks.wisc.edu
Put your Physics major to **WORK**

**Common Alumni Job Titles:**
- Software/Systems Engineer (20)
- Professor (14)
- Research Associate/Fellow (11)
- Chief Executive Officer (7)
- Data Scientist (7)
- Business Owner (7)
- President (6)
- Principal Engineer (6)
- Optical Engineer (4)
- Physicist (4)
- Account Manager (3)
- Chief Technology Officer (3)
- Engineer (3)
- IT Manager (3)
- Medical Physicist (3)
- Research & Development Engineer (3)

**Top Employers of Alumni:**
- **Aerospace**
  - Berkeley Lab
  - Lockheed Martin
  - NASA
  - NASA Goddard Space Flight Center
  - National Radio Astronomy Observatory
  - Southwest Research Institute
  - Space Telescope Science Institute
- **Computing**
  - Apple
  - Microsoft
- **Education**
  - Madison Area Technical College
  - UW-Madison
  - University of Washington
- **Info Tech**
  - Esker, Inc
  - Expedia Group
  - Linkedin
- **Manufacturing & Utilities**
  - Electronic Theatre Controls
  - Phoenix LLC
  - Samtec Inc
  - Sheboygan Water Utility
- **Medical Technology**
  - Epic
  - GE Healthcare
  - Shine Medical Technologies, Inc

**Recent Grads’ Career Plans:**
- 51% Continuing Education or Grad School
- 41% Employment
- 4% Military Service
- 4% Other

**Where Alumni Live & Work:**
- 36% Wisconsin
- 12% California
- 6% Minnesota
- 5% Illinois
- 41% Other

**Samantha Lundt, 2008**
Manufacturing Process Engineer, Quantum Devices, Inc.
Barneveld, WI

**Kimberlee Chestnut Chang, 1992**
Member of Technical Staff – Human-AI Teaming Lead
MIT Lincoln Laboratory
Lexington, MA

“The breadth of topics within the physics major have been instrumental in providing me with the tools for career success. Completing an internship and working one-on-one with professors and researchers really gave me an idea of what the profession entailed and required.”

“Physicists often end up in fields that we didn’t anticipate – some of us in fields that didn’t exist when we were in college! The skill I have used more than any other is the ability to understand when and how a problem can be simplified. People often gravitate towards complex solutions when simple ones are often more practical, and sometimes more accurate.”

**Career Communities for Physics Majors**
SuccessWorks has eight Career Communities to connect you with career advising, resources, and programs. Here are a few suggestions on where Physics majors can start.

Not inspired by these options? Visit SuccessWorks to explore more widely.

[successworks.wisc.edu](http://successworks.wisc.edu)