

# PHYSICS

University of Northern Iowa College of Humanities, Arts & Sciences

<https://chas.uni.edu/physics/majors/physics-bs-major>

## About The Major

Physics is the natural science that studies matter, its motion, and behavior through space and time, and that studies the related entities of energy and force. Physics is one of the most fundamental scientific disciplines, and its main goal is to understand how the universe behaves. Physicists conduct research into physical phenomena, develop theories based on observation and experiments, and devise methods to apply physical laws and theories.

## Sample Course Work

Calculus I  
First-Year Projects in Physics  
Physics I for Science and Engineering  
Modern Physics  
Senior Mathematics Seminar  
Electrodynamics

## Possible Careers \*Some titles may require further education

Design Engineer	Lase Engineer	Technical Specialist
High School Teacher	Optical Engineer	Web Developer
IT Consultant	Researcher	Physical Scientist
Lab Technician	Systems Analyst	Data Analyst

## UNI Graduates: Where Are They Now?

- John Deere
- Principal Financial Group
- Des Moines Public Schools
- CBE Companies
- Kirkwood Community College
- Hawkeye Community College
- Hy-Vee, Inc.
- ACT
- DISTek Integration, Inc.
- Dipont Education
- ACS Abu Dhabi
- Purdue University Global
- California State University, LA
- BCIT
- Culver Academies
- Kemin Industries

## Skills Needed

- Intellectual skills
- Critical and analytical thinking
- Communication skills
- Organization skills
- Research skills
- Numeracy and computing skills
- Problem-solving
- Technical skills
- Project development



University of Northern Iowa.  
Academic Advising