

What Can I Do With This **Ohio State** Major?

Bachelor of Science

Physics

College of Arts and Sciences

The defining characteristic of physics is the quest for the underlying logic—the theoretical structure that unifies and explains all the different phenomena that we study experimentally. Both the experiments themselves and the theoretical work that goes on at the same time are motivated primarily by this quest. As a by-product of this quest, physicists have pioneered many of the basic ideas on which our modern technology rests. Such developments as transistors, lasers, and perhaps someday fusion energy all come directly from research in physics.¹ Students who complete the Arts & Sciences Physics Program will earn a B.S. in Physics from the College of Arts & Sciences. There are four options for students to choose from when pursuing this degree; Applied Physics, Advanced Physics, Physics and Life Sciences, and Teaching.

Career Areas/Job Titles:

Management and Industry

Consultant
Science Patent Examiner

Communication and Media

Web Communications
Specialist
Web Developer

Scientific Journalist
Publisher

Health Professions

Medical Doctor

Science and Technology

Research Scientist
Software Engineer
Systems Developer and
Engineer
Design Engineer
Product Engineer
Nuclear Physicist
Biophysicist

Education

Professor
K-12 Teacher
Librarian

Government/Politics

Intellectual Properties Lawyer

**Some careers may require licensure, certification, or further education. Talk to an advisor about specific requirements.*

Transferable Skills:

Mathematic Skills
Physics Foundation
Computer Programming
Building and Construction
Technical Writing
Experimental Design
Data Acquisition
Problem Solver
Provide/Respond to Feedback

Speaking Effectively
Use Technology Effectively
Written Communication
Teamwork
Developing Evaluation
Strategies
Identifying Problems
Research Skills
Attention to Detail

Implementing Decisions
Managing Time/Stress
Organization Skills
Prioritizing Tasks
Creating Innovative Solutions
Quantitative Reasoning
Data Analysis
Analytical/Critical Thinking
Laboratory Skills

**This is not an extensive list of transferable skills. See larger list of skills you might develop here:*

<http://ccss.osu.edu>

Professional Links:

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

Society of Physics Students: <https://physics.osu.edu/student-organizations>

Sigma Pi Sigma: Physics Honor Society: <http://www.physics.ohio-state.edu/sigma/>

Society of Women in Physics: http://www.physics.ohio-state.edu/undergrad/Women_in_Physics/

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