

What Can I Do With This Ohio State Major?

Bachelor of Science

Astronomy and Astrophysics

College of Arts and Sciences

Astronomy and Astrophysics is the study of planets, stars, galaxies, and the universe as a whole, including how these originate and how they evolve in time. The principal pursuits of the astronomer are to extend our understanding of the physical nature of the universe and to convey this understanding to students and the general public. It is an observational, not experimental, science because we cannot touch most celestial objects. The heart of the prospective astrophysicist's education consists of a firm grounding in physics plus the advanced mathematics at the core of the physics.ⁱ

Career Areas/Job Titles:

Management and Industry

Observatory Manager
Science Museum Administrator

Communication and Media

Science Journalist
Photographer
Grant Writer
Public Relations Coordinator

Science and Technology

Astronomer

Astrophysicist
Climatologist
Engineer
Meteorologist
Research and Developer
Telescope Operator

Education

Physical Science Teacher
Professor

Non-Profit/Advocacy

Public Education Coordinator
Community Liaison
Fundraiser/Development
Director

Government/Politics

Lawyer
Lobbyist
NASA Employee

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

Transferable Skills:

Mathematics Skills
Computer Programming
Physics Foundation
Technical Writing
Use Technology Effectively
Written Communication
Teaching/Instructing Others
Teamwork
Developing Evaluation
Strategies

Experimental Design
Forecasting/Predicting
Research Skills
Setting Goals
Adaptability/Flexibility
Attention to Detail
Judgment & Decision Making
Initiative
Managing Time/Stress
Organization Skills

Strategic Planning/Visioning
Creating Innovative Solutions
Multi-tasking
Quantitative Reasoning
Data Analysis
Analytical/Critical Thinking
Problem Solving

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

<http://ccss.osu.edu>

Professional Links:

Occupational Outlook Handbook: [Physicists and Astronomers](#)

American Astronomical Society: <http://aas.org/>

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

International Astronomical Union: <http://www.iau.org/>