



College to Career Connection Physics

What is Physics?

Physics is the discipline of Science dealing with the properties of matter and energy. The Physics program provides curriculum concerned with the properties of matter and energy, and their interactions and transformations. The Physics program includes both major and non-major courses. The following is a sample of career options available for physics. Most require a baccalaureate degree, and some require a graduate degree: air pollution operations, consumer safety officer, engineer, teacher, astrophysicist and physicist.

[COC - Physics Associate in Science for Transfer \(AS-T\)](#)

Potential Industries/Employers

- Research Foundations
- Aerospace industry
- Medical Labs
- Engineering Companies
- Educational Institutions
- Industrial Firms
- Government Laboratories
- Development Centers
- Military
- Observatories
- Laboratories
- Planetariums
- Science museums

Possible Job Titles

- Seismologist
- Computer Scientist
- Plasma Physicist
- Forensic Scientist
- Quality Control Manager
- Molecular Physicist
- Aerospace Engineer
- Hydrologist
- Scientific Photographer
- Computer Systems Engineer

- Cardiac Imaging Researcher
- Radiologist
- Director
- Automotive Engineer
- System Analyst
- Environmental Analyst
- Health Physicist
- Astrophysicist
- Data Analyst

How this Major Helps You Move Forward:

Skills Advancement

While College of the Canyons does not endorse all of these opportunities, we aim to provide access:

- [Internships](#) and [COC Career Center](#)
- [Mathematics Engineering Science Achievement \(MESA\) Program](#)
- [NASA Community College Aerospace Scholars](#)
- [Jet Propulsion Laboratory \(JPL\) Programs](#)
- [Society of Physics Students Resources](#)

CSU/UC Major Preparation (BA/BS)

- [CSUN: Physics B.S.](#)
- [CSUN: Physics B.S. with Astrophysics Option](#)
- [CSULA: Physics B.S.](#)
- [UCLA: Biophysics B.S.](#)
- [UCSD: ECE:Engineering Physics B.S.](#)
- ... and more!

Additional information can be found at:

- [What Can I do With this Major](#)
- [COC Physics Department](#)
- [Assist: Student Transfer Information System](#)
- [Occupational Outlook Handbook](#)
- [O*NET OnLine: Job and Career Exploration](#)
- [Linkedin Alumni Tool](#)
- [Candid Career Videos](#)

Associations

Association is a group of people who come together for a common purpose. You can find helpful information about jobs and careers.

- [American Institute of Physics](#)
- [American Astronomical Society](#)
- [National Aeronautics and Space Administration](#)
- [American Physical Society](#)
- [Institute of Physics](#)
- [Directory of Associations](#)

This is a general information. It is not an exhaustive, comprehensive list. For specific information on majors and careers please connect with your professors and visit the counseling center at <https://www.canyons.edu/student-services/counseling> | 3/26/21