



# LA Mission College Career Center

## PHYSICS

### MAJOR SHEETS

#### SKILLS

(things you will learn or use)

- Interpret scientific data
- Analytical thinking
- Detail orientated
- Problem solving
- Math and reasoning skills
- Critical thinking
- Use of computers to measure data
- Knowledge of natural laws of science

#### INTEREST

- Conducting experiments
- Analyzing data
- Developing theories
- Learning about how things function
- Interests in other sciences such as astronomy
- Interest in mathematics

#### WHAT IS PHYSICS?

Physics is a field within the natural sciences that studies the structure of matter and energy, and their interactions in the physical world as well as space. It is a study of how the universe interconnects through learning about and applying scientific laws and theories to natural processes. The natural processes often observed in the study of physics includes heat, light, radiation, sound, electricity, magnetism, and more.

#### LAMC DEGREES & CERTIFICATES OFFERED

- **Associates of Science of Transfer (AS-T) in UCTP Physics**
- **Associates of Science Degree in Physical Science**

#### TRANSFER RELATED MAJORS

- **Chico State:** Professional Physics, Physics
- **Humboldt State:** Physics - Astronomy, Physics
- **CSU Channel Islands:** Applied Physics - Physical Science, Technology
- **CSU Los Angeles:** Physics - Astrophysics, Biophysics, Physics
- **CSU Northridge:** Physics - Astrophysics, Geophysics, Biophysics
- **CSU Dominguez Hills:** Physics - Physical Science, Electrical Engineering, Physics
- **Cal Poly Pomona:** Physics- Biophysics, Integrated Science
- **San Diego State:** Physics - Chemical Physics, Modern Optics, Physics
- **UC Berkeley:** Physics, Geophysics, and Astrophysics
- **UC Los Angeles:** Physics, Biophysics, and Astrophysics
- **UC Irvine:** Physics and Applied Physics
- **UC San Diego:** Physics, Astrophysics, Biophysics, Computational Physics, and Material Physics



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#### WORK ENVIRONMENT

- Hours may be flexible and work from home may be possible
- Overtime may be expected and necessary to meet deadlines, which can cause a great deal of stress
- Lots of time spent interacting with a computer or computer program at first
- Indoors, in moderately quiet office and computer rooms

#### WEBSITE RESOURCES

[www.lamission.edu/careercenter](http://www.lamission.edu/careercenter)  
<https://www.lamission.edu/Life-Sciences/AS-in-Health-Sciences/Degree-Requirements.aspx>  
[www.assist.org](http://www.assist.org)  
[www.salary.com](http://www.salary.com)  
<https://uncw.edu/career/whatcanidowithamajorin.html>  
[www.cacareerzone.org](http://www.cacareerzone.org)  
<http://degrees.calstate.edu/>  
[https://admission.universityofcalifornia.edu/counselors/files/undergraduate\\_majors\\_list.pdf](https://admission.universityofcalifornia.edu/counselors/files/undergraduate_majors_list.pdf)

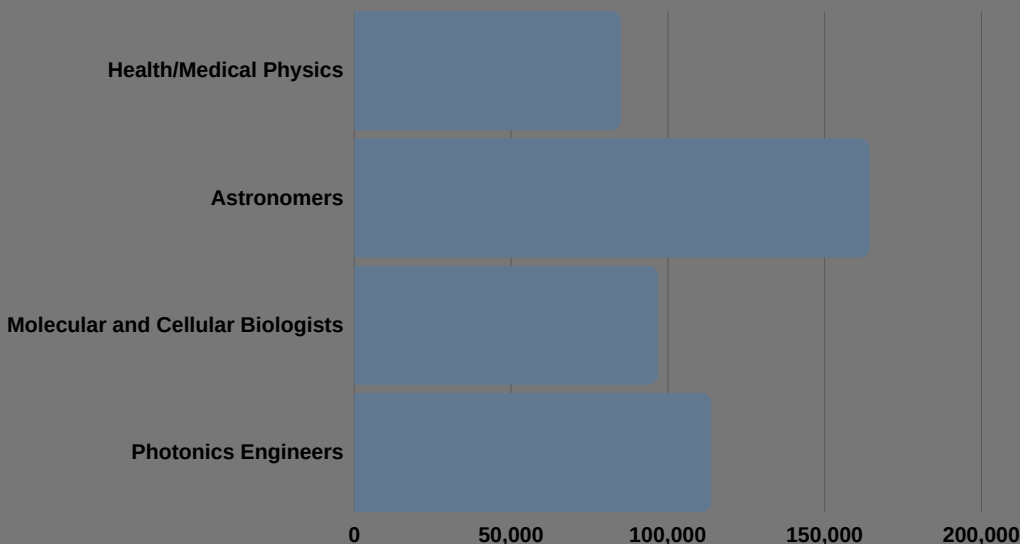
#### POTENTIAL JOB TITLES

- Health/Medical Physics
- Plasma Physicist
- Forensic Scientist
- Astronomers
- Molecular and Cellular Biologists
- Aerospace Engineer
- Hydrologist
- Cardiac Imaging Researcher
- Radiological Laboratory
- Photonics Engineers

#### POTENTIAL EMPLOYERS

- Research Foundations
- Medical Labs
- Engineering Companies
- Educational Institutions
- Industrial Firms
- Government Laboratories
- Development Centers
- Power Plants
- NASA
- Manufacturing companies

#### \*EARNINGS



\*Earning can vary by occupation and experience. The following are average annual wages as of 2019 in California based on California Career Zone <https://www.cacareerzone.org/>

This general information is provided by the LA Mission College Career Center. For specific information about majors and careers please email us to make an appointment at [careercenter@lamission.edu](mailto:careercenter@lamission.edu)