



# PHYSICS

Physicists are the most fundamental of scientists, for they are the ones who examine the basic laws of nature. Physics is the study of energy and the behavior of single atoms and their component pieces. Most work in the physics field require graduate degree

C.O.M.  
Suggested Transfer Preparation

PHYS 207A  
PHYS 207B  
PHYS 207C  
MATH 123, 124, 223, 224  
General Chemistry

Transfer students are strongly advised to meet with a Counselor and complete as many preparatory courses as possible before transferring. Please refer to the following links for articulation agreement updates, revisions and additional information:

[www.assist.org](http://www.assist.org)  
[UCTransfer.org](http://UCTransfer.org)

COLLEGE OF  
**MARIN**

Transfer & Career Center  
835 College Avenue  
Kentfield, CA 94904  
(415) 485-9671

Transfer/Counseling Advisory Committee:

Theodora Fung, Bruce Furuya, Letta Hlavachek, Bessie Ng-Jung  
Alexandra Magallanes Rivera, Jim Sweeney, Karen Robinson,  
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## CAREER OPPORTUNITIES

Astronomers	Planetary Science
Biophysicist	Physicist
Computational Physicist	Quality Control Specialist
Electro-Optical Engineers	Research Physicist
Engineering and Science Managers	Seismologist
Engineering Technicians	
Environmental Analysts	
Meteorologists	
Mining Engineers	
Nuclear Engineers	
Oceanographers	
Parapsychologists	
Photonic Technicians	
Seismologists	

For more extensive information on career opportunities, go the Transfer & Career Center and create your EUREKA account

## EXAMPLES OF EMPLOYERS

Laboratories	Waste Management Firms
Power Plants	Health Care Facilities/Hospitals
Military	Engineering Firms
Observatories	Scientific Journals
Auto/Aircraft Manufacturers	Technical Consulting Firms
Research Labs	Government
Colleges/Schools	Aerospace Industry

# Typical Coursework associated with the study of Physics

Physics programs are designed to provide students with an understanding of the fundamental physical laws of nature and to apply those principles to solving specific problems. Physics majors may work in research and development or in management in government labs, industries, or schools; or they may teach in high schools, colleges, or universities. The study of Physics is extensive. It includes such fields as astronomy, optics, biophysics, and geophysics. As preparation for a major in Physics, courses in algebra, trigonometry, analytic geometry, physics, and chemistry are recommended.

## California Universities offering Physics Degree

### California State University:

Refer to the following link for locations, web addresses and general information: [www.csumentor.edu](http://www.csumentor.edu)

CPSU - San Luis Obispo	Physics BA/BS/Minor
CSPU - Pomona	Physics BS/Minor
CSU - Bakersfield	Physics BS/Minor
CSU - Channel Islands	Applied Physics Minor
CSU - Chico	Physics BS/Minor
CSU - Dominguez Hills	Physics BS/Minor
CSU - East Bay	Physics BA/BS/Minor
CSU - Fresno	Physics BS/Minor/MS
CSU - Fullerton	Physics BS/Minor/MS
CSU - Humboldt	Physics BA/Minor/ BS
CSU - Long Beach	Physics BA/BS/Minor/MS
CSU - Los Angeles	Physics BS/MS (Option: Biophysics)
CSU - Northridge	Biomedical Physics BA, Physics BA/MS, Physics BS (Option: Astrophysics)
CSU - Sacramento	Physics BA/BS/Minor
CSU - San Bernardino	Applied Physics Minor, Physics BA/BS/Minor
CSU - San Diego	Chemical Physics BS, Physics BS/Minor/MA/MS
CSU - San Francisco	Physics BS, Physics BA/Minor/MA/MS
CSU - San Jose	Physics BA/BS/Minor/MS, Physics, Preparation for Teaching BA
CSU - San Marcos	Applied Physics BS, Physics Minor
CSU - Sonoma	Physics BA/BS/Minor
CSU - Stanislaus	Physics BA/BS/Minor

### University of California:

Refer to the following link for locations, web addresses and general information: [UCTransfer.org](http://UCTransfer.org)

UC - Berkeley	Applied Science and Technology MS/Ph.D. (Interdisciplinary), Astrophysics BA/Minor, Astrophysics MA/Ph.D., Biophysics Ph.D. (Interdisciplinary), Engineering Physics (Engineering) BS, Physics BA/Minor, Physics MA/Ph.D.
UC - Davis	Biophysics Ph.D. (Interdepartmental), Physics AB/BS/Minor/MS/Ph.D., Physics, Applied BS
UC - Irvine	Physics BS/MS/Ph.D., Physics, with Astrophysics Specialization BS
UC - Los Angeles	Astrophysics BS, Biomedical Physics (Medicine) MS/Ph.D. (Interdepartmental), Biophysics BS, Geophysics and Planetary Physics Minor, Geophysics and Space Physics BS, Geophysics and Space Physics MS/Ph.D., Geophysics/Applied Geophysics BS, Physics BA/BS, Physics MS/MAT/Ph.D.
UC - Merced	Physics BS/Minor
UC - Riverside	Physics BA/BS/Minor (Option: Biophysics), Physics MA/MS/Ph.D.
UC - San Diego	Applied Physics Minor, Physics BS (Specialization: Astrophysics; Computational Physics; Earth Science; Material Physics), Physics, General BA, Physics, General/Secondary Education BA, Physics/Bioinformatics Ph.D., Physics/Biophysics BS/Ph.D.
UC - San Francisco	Biophysics Ph.D.
UC - Santa Barbara	Geophysics BS/MS, Physics (Creative Studies) BA/BS, Physics (Letters and Science) BA/BS/Minor, Physics (Letters and Science) MA/Ph.D.
UC - Santa Cruz	Applied Physics BS, Astrophysics BS/Minor, Physics (Astrophysics) BS, Physics BS/Minor/MS/Ph.D.

### Private Universities

Refer to the following link for Independent Colleges and Universities: [AICCU.edu](http://AICCU.edu)

Pepperdine University	Santa Clara University	Scripps College	St. Mary's College
Stanford University	University of the Pacific	University of San Diego	University of San Francisco
University of Southern California	Westmont College	Whittier College	