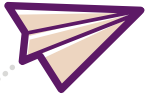


BACHELOR OF SCIENCE IN PHYSICS



CONCENTRATION IN COMPUTATIONAL PHYSICS



ABOUT THE MAJOR/ CONCENTRATION

The Bachelor of Science in Physics with a concentration in Computational Physics is intended to train students with the state-of-the-art knowledge in physics and scientific computing for either professional positions or graduate studies in computational physics or related areas. Computational physics combines physics, computer science, and applied mathematics in order to provide scientific solutions to realistic and often complex problems.

A computational physicist understands not only the workings of computers and the relevant science and mathematics, but also how computer algorithms and simulations connect the two. As the fields of science, engineering, and technology rapidly advance, computational physicists are in great demand. Graduates of this degree program should possess an in-depth education in physics, mathematics, and computing as well as valuable skills in complex problem-solving and team work.



SKILLS



Mathematical Reasoning



Problem-Solving



Ability to Interpret Data



Critical Thinking



POTENTIAL CAREER OPPORTUNITIES

- Astronomer*
- Astrophysicist*
- Atomic, Molecular, Optics Physicist*
- Chemical Physicist*
- Computer Scientist*
- Engineering Physicist*
- Geophysicist*
- Government Researcher
- Medical Physicist*
- Nuclear Physicist*
- Space Physicist*
- STEM Educator*

*Additional education/certification may be required

COMMON CAREER AREAS FOR THIS MAJOR

Research & Development

Data & Analytics

Astronomy or Astrophysics

Energy & Renewable Energy

Computer Science

Engineering Physics

STEM Education



ADD TO YOUR RESUME

✓ Do volunteer work

Did you know UNLV has programs, student groups, and academic service-learning opportunities for you to join?

View more information here: unlv.edu/service

✓ Get part-time job or internship

A part-time, temporary, and summer job or internship can help you increase your confidence as you develop your skills and add experiences to your resume.

✓ Join a student organization

Students are encouraged to get involved with these groups early on!

- Be WITty (Women in Technology)
- Institute of Electrical and Electronics Engineers at UNLV
- American Institute of Aeronautics and Astronautics
- Alliance of Non-Traditional Students (ANTS)
- KindUp

Find more than 350 student organizations at: involvementcenter.unlv.edu



MEDIAN SALARIES AND PROJECTED EMPLOYMENT

	2018 Local Median Salary (Las Vegas, NV)	2018 National Median Salary	Annual Projected Job Openings in US (2016-2026)
Business Intelligence Analysts	\$73,040	\$90,270	22,400
Computer Network Architects	\$104,070	\$109,020	11,700
Engineering Technicians	\$70,860	\$62,230	7,100
Computer Systems Analysts	\$85,550	\$88,270	44,900
High School Teachers	\$55,730	\$59,170	79,500

www.careeronestop.org (Website is sponsored by the US Dept. of Labor)



EXTERNAL RESOURCES

Job Search Websites

- glassdoor.com
- indeed.com
- idealist.org (non-profit jobs)
- simplyhire.com

Career Information

- bls.gov/oo
- careeronestop.org
- onetonline.org

Salary Information

- glassdoor.com/salaries
- payscale.com

UNLV COLLEGE OF SCIENCES

The College of Sciences Advising Center seeks to proactively mentor, support, and empower students to achieve their personal and professional goals.

702-895-2077

sci.advising@unlv.edu

MPE-A, Rm. 130

unlv.edu/sciences/advising

UNLV CAREER SERVICES

Career Services is your source for resume building, interview preparation, and a wide variety of job and internship opportunities to get you started on your path to career success.

702-895-3495

careerservices@unlv.edu

SSC-A, Rm. 201

unlv.edu/careerservices