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

**COMMON CAREER AREAS FOR THIS MAJOR**
- Research & Development
- Data & Analytics
- Astronomy or Astrophysics
- Energy & Renewable Energy
- Computer Science
- Engineering Physics
- STEM Education

**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
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

✅ **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

✅ **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.

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MEDIAN SALARIES AND PROJECTED EMPLOYMENT

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<tbody>
<tr>
<td>Business Intelligence Analysts</td>
<td>$73,040</td>
<td>$90,270</td>
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<tr>
<td>Computer Network Architects</td>
<td>$104,070</td>
<td>$109,020</td>
<td>11,700</td>
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<td>Engineering Technicians</td>
<td>$70,860</td>
<td>$62,230</td>
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<td>Computer Systems Analysts</td>
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<td>High School Teachers</td>
<td>$55,730</td>
<td>$59,170</td>
<td>79,500</td>
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www.careeronestop.org (Website is sponsored by the US Dept. of Labor)

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EXTERNAL RESOURCES

**Job Search Websites**
- glassdoor.com
- indeed.com
- idealist.org (non-profit jobs)
- simplyhire.com

**Career Information**
- bls.gov/ooh
- careeronestop.org
- onetonline.org

**Salary Information**
- glassdoor.com/salaries
- payscale.com

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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.

- Phone: 702-895-2077
- Email: sci.advising@unlv.edu
- Location: MPE-A, Rm. 130
- Website: unlv.edu/sciences/advising

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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.

- Phone: 702-895-3495
- Email: careerservices@unlv.edu
- Location: SSC-A, Rm. 201
- Website: unlv.edu/careerservices