

# BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCES:

## Concentration in Microbiology



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### About the Major/Concentration:

Majoring in biological sciences with a concentration in microbiology provides students with intellectual and technical skills required for success in the broad area of microbiology, which includes clinical, environmental, ecological, evolutionary, molecular, metabolic, and physiological perspectives of microbes, including aspects of virology and immunology.

Students concentrating in microbiology should also be able to explain the diversity and similarity of microbes, including their physiology, mechanisms of pathogenesis and host defenses, and unique ecology.

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### Skills:

- Research
- Problem Solving
- Ability to Operate Scientific Equipment
- Critical thinking

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### Potential Career Opportunities:

- Agricultural and Food Scientist
- Bacteriologist
- Biomedical Scientist\*
- Biotechnologist\*
- Cell biologist
- Clinical Microbiologist
- Environmental Scientist
- Lab Technician\*
- Medical Device Specialist

\*Additional education/certification may be required

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### Common Career Areas for this Major:

- Research & Development
- Healthcare
- Biomedical Sciences
- Organismal/Ecological Biology
- Education

- Biotechnology
- Bioinformatics

## 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](http://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!

- Alpha Epsilon Delta (AED)
- Association of Pre-Health Professionals (APHP)
- Life Science Student Association (LSSA)
- Alliance of Non-Traditional Students (ANTS)
- Ecology, Conservation, and Evolution Club
- Pre-Dental Society
- 1st Generation Club
- Undergraduate Council (UC)
- UNLV Scientista Foundation
- UNLVolunteers

Find more than [350 student organizations here](http://involvementcenter.unlv.edu): [involvementcenter.unlv.edu](http://involvementcenter.unlv.edu)

## Median Salaries and Projected Employment:

Job Title:	2018 Local Median Salary (Las Vegas, NV)	2018 National Median Salary	Annual Projected Job Openings in US (2016-2026)
Biological Technicians	\$38,480	\$44,500	8,900
Biological Scientists (Other)	\$76,230	\$79,590	1,900
Microbiologists	\$95,420	\$71,650	2,200
Medical & Clinical Laboratory Technologists	\$63,370	\$52,330	12,900
Biological Science Professors	\$66,890	\$82,550	6,000

[Source](http://www.careeronestop.org) : [www.careeronestop.org](http://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/ooh
- Careeronestop.org
- Explorehealthcareers.org
- Onetonline.org

### Salary Information

- Glassdoor.com/salaries
- Payscale.com

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