



# Biology

## Bachelor of Science

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### What is Biology?

The biology program combines basic biological science with strong background in chemistry, biochemistry, microbiology, cell and molecular biology, physics, and mathematics. The program incorporates fundamental biology and chemistry courses with emerging technologies, such as recombinant DNA technology, microbial genetics, biochemistry, and bioinformatics. Students will be taught to think critically and will be equipped to apply biological principles to solve real world problems.

The biology degree offers various areas of emphasis and can be tailored to fit your career goals. Areas of emphasis include:

- 1) Pre-professional studies (pre-med, pre-vet, pre-dentistry, etc.)
- 2) Molecular biology
- 3) Environmental Science
- 4) Pre-biomedical engineering.

### What does a biologist do?

Many biology graduates pursue graduate study in a variety of areas including biomedical science and medicine, dentistry, immunology, biomedical engineering, pharmaceutical science, genomics, atmospheric and environmental science, nanoscience, forensics, and medical research. Biology graduates also enter the workforce in biotechnical and medical industries, governmental agencies, research labs, patent offices, environmental agencies, biological sales, and many other cross-disciplinary careers.

### Careers

- Medicine
- Pharmacy
- Medical research
- Biomedical engineer
- Patent law
- Environmental health
- Genetics
- Radiology
- Forensics
- Epidemiology/public health



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