

# Bachelor of Science in Biology



## The BS in Biology: A Degree To Launch Your Scientific Career

Designed in response to local industry demand, this bachelor's degree in Biology sets you on the path toward a rewarding scientific career or advanced study in a master's-level STEM or MD program.



### Skills-Based Preparation for Aspiring Scientists

This well-rounded biology degree program provides the broad foundational knowledge as well as laboratory and data science skills necessary for careers in:

- Aquaculture
- Animal Science
- Bioengineering
- Bioinformatics
- Biopharmaceuticals
- Biotechnology
- Environmental Restoration
- Forensics
- Genetics
- Human Biology
- Laboratory Science
- Medicine
- Microbiology
- Molecular Biology
- Scientific Research
- Zoology/Wildlife Biology



### Hands-On Learning in State-of-the-Art Labs and Facilities

The core science courses in WilmU's BS in Biology degree program are offered at our Brandywine and New Castle locations. Learn, explore and discover in Brandywine's new laboratories, which feature laminar flow hoods, biosafety cabinets, cryogenic freezers and carbon dioxide incubators.



### Co-Op Learning Experiences in Biology With NASA, INBRE and More

Build your resume and professional network through the BS in Biology's required cooperative learning experience. WilmU's affiliation with the National Institutes of Health-funded INBRE program, the NASA-funded DE Space Grant Consortium and dozens of labs throughout the state provide exciting STEM-based research and internship opportunities.

Get started today at [wilmu.edu/Apply](https://wilmu.edu/Apply).

\* Total number of courses and credits may vary based upon concentration and elective course selections.



**120 total credits\***

Finish your biology degree faster by transferring credits.

**\$1,257**  
per course

Cost of a typical 3-credit course



Classes start every 8 weeks.



HEALTH PROFESSIONS & NATURAL SCIENCES

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## General Education Requirements (40 Credits)

<input type="checkbox"/> BIO 251 Biology I (With Lab)	<input type="checkbox"/> HIS 316 American History
<input type="checkbox"/> CTA 206 Computer Applications <i>OR</i> <input type="checkbox"/> CTA 210 Intro to Technology	<input type="checkbox"/> HIS 381 Contemporary Global Issues
<input type="checkbox"/> ECO 105 Fundamentals of Economics	<input type="checkbox"/> MAT 205 Introductory Survey of Mathematics
<input type="checkbox"/> ENG 121 English Composition I	<input type="checkbox"/> PHI 100 Introduction to Critical Thinking
<input type="checkbox"/> ENG 122 English Composition II	<input type="checkbox"/> PHI 300 Ethics for Life
<input type="checkbox"/> ENG 131 Public Speaking	<input type="checkbox"/> SOC 101 Introduction to Sociology
<input type="checkbox"/> ENG 310 Research Writing	

## Biology Core (49 Credits)

<input type="checkbox"/> BIO 252 Biology II (with lab)	<input type="checkbox"/> CHE 363 Organic Chemistry I (with lab) ✓
<input type="checkbox"/> BIO 336 Microbiology (with lab) ✓	<input type="checkbox"/> CHE 364 Organic Chemistry II (with lab) ✓
<input type="checkbox"/> BIO 337 Genetics (with lab) ✓	<input type="checkbox"/> DTA 447 Data Science <i>OR</i> <input type="checkbox"/> CSC 420 Intro to Artificial Intelligence ✓
<input type="checkbox"/> BIO 338 Ecology (with lab)	<input type="checkbox"/> PHY 272 Physics I (with lab) ✓
<input type="checkbox"/> BIO 352 Cell and Molecular Biology (with lab) ✓	<input type="checkbox"/> SCI 441 Co-Op Ed Experience for Science ✓
<input type="checkbox"/> CHE 261 Chemistry I (with lab)	<input type="checkbox"/> SCI 442 Co-Op Ed Experience for Science ✓
<input type="checkbox"/> CHE 262 Chemistry II (with lab) ✓	

## Supplemental Core (15 Credits)

<input type="checkbox"/> SCI 495 Science Major Senior Seminar ✓	<input type="checkbox"/> MAT 308 Inferential Statistics ✓
<input type="checkbox"/> ENV 448 Environmental Informatics ✓	<input type="checkbox"/> MAT 310 Calculus I ✓
<input type="checkbox"/> MAT 200 Precalculus	

## Free Electives (16 Credits)

Choose free electives to complete the degree requirements of 120 credit hours.

Free Electives (16 Credits)\*

In addition to the Biology core, students may choose ONE of the following concentrations:

### Biotechnology Core (17 Credits)

<input type="checkbox"/> BIO 449 Biotechnology (with lab) ✓
<input type="checkbox"/> BIO 450 Immunology and Virology (with lab) ✓
<input type="checkbox"/> BIO 451 Proteomics (with lab) ✓
<input type="checkbox"/> BIO 452 Cell and Tissue Culture (with lab) ✓
<input type="checkbox"/> BIO 453 Bioinformatics ✓

### Forensic Science Core (17 Credits)

<input type="checkbox"/> CRJ 101 Survey of Criminal Justice ✓
<input type="checkbox"/> CRJ 318 Criminal Investigation ✓
<input type="checkbox"/> BIO 253 Anatomy and Physiology I (with lab) ✓
<input type="checkbox"/> BIO 454 Forensic Biology (with lab) ✓
<input type="checkbox"/> BIO 455 Scientific CSI (with lab) ✓

✓ = Typical Completion Degree Course

\* Students with fewer than 16 transfer credits are required to take FYE 101 as one of their electives. Due to the mixture of three- and four-credit courses available, students must be diligent and seek advice as they work through the program. One free elective course must be four credits, or a sixth (three-credit) course will be required to earn 16 total credits.



## Dual-Credit ADVANTAGE™

SAVE TIME & TUITION

You can apply selected courses (and their credits) in this degree program to a variety of WilmU certificate programs, allowing you to earn a resume-boosting certificate and your bachelor's degree simultaneously. Learn more at [wilmu.edu/DualCredit](http://wilmu.edu/DualCredit).

### Two Specialized Biology Concentrations

- Biotechnology
- Forensic Science

### Already have an associate degree?

A WilmU completion degree provides just the courses you need to earn your bachelor's degree.

Look for the ✓ to see typical completion degree courses.

*Prerequisite courses not listed here may be required.*

### Have questions? We're here to help!

Academic Recruiters

(302) 213-3916

[recruiting@wilmu.edu](mailto:recruiting@wilmu.edu)

Get Started Today!  
[wilmu.edu/Apply](http://wilmu.edu/Apply)



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HEALTH PROFESSIONS & NATURAL SCIENCES

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