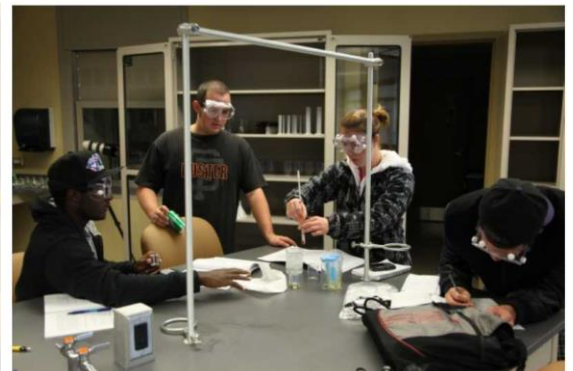


# BIOLOGY CONCENTRATION

## Why Enroll in the Biology Concentration?

- Low student/teacher ratio in all classes
- Opportunity to learn the natural sciences in a **modern laboratory setting**
- Access to **new laboratory equipment and instrumentation**
- Small laboratory classes provide individualized attention and instruction
- Unmatched personal attention to academic advisement
- Opportunity to learn from **top-notch professors who have real-world experience in a laboratory setting**
- Job search guidance in the profession
- **Expanded job opportunities after graduation:**  
*Bureau of Labor Statistics estimates job outlook for Forensic Science Technicians to increase by 17% from 2016-2026, which it classifies as much faster than average.*

The Biology concentration is available to students at Hilbert College who are interested in learning more about laboratory-based natural sciences. The concentration is comprised of four biology courses and one chemistry course, all held in Hilbert's new, modern laboratory classrooms. Together these five courses will provide more in depth exposure to fundamental principles in the natural sciences. This concentration is available to students in all majors, though it is likely of particular interest to students in the Psychology and Forensic Science/CSI departments who wish to obtain a stronger laboratory-based science foundation than what is required for their major.



Coursework includes two semesters of general biology (covering cell biology and general anatomy and physiology) and one semester each of genetics, molecular biology, and general chemistry. All courses in the concentration are four credits and include a separate laboratory section, in addition to traditional class meetings, where students will have a chance to gain skills working with modern laboratory equipment and instrumentation. Additionally, the courses in the concentration do not require prior exposure to biology as they are designed to be taken sequentially, initially introducing students to foundational concepts and material and progressing to more advanced applications of concepts in later courses.

**SAMPLE COURSE SEQUENCE:****First, Fall, Semester in the Concentration:**

- BI 240 College Biology I with Laboratory

**Second, Spring, Semester in the Concentration:**

- BI 241 College Biology II with Laboratory
- \*CH 240 General Chemistry I with Laboratory  
(\*can be taken any semester prior to BI 300)

**Third, Fall, Semester in the Concentration:**

- BI 300 Genetics with Laboratory

**Fourth, Spring, Semester in the Concentration:**

- BI 340 Molecular Biology with Laboratory



Photos courtesy of Ian Gattie

**Students completing the forensic biology concentration will be better prepared for a variety of careers and graduate school opportunities including:**

- Laboratory Assistant
  - Research Technician - Biological
- Forensic Serologist/Biologist, entry level
  - DNA Analyst, entry level

**For more information contact:**

- Habibul Bakht, Ph.D.  
Assistant Professor,  
Biological Sciences  
[hbakht@hilbert.edu](mailto:hbakht@hilbert.edu)
- OR
- Carraugh Reilly Nowak, MFS  
Associate Professor, FS/CSI  
Chair CJ Studies Division  
[carraughnowak@hilbert.edu](mailto:carraughnowak@hilbert.edu)