

LEARN

BIOCHEMISTRY AT CABRINI

Students in Cabrini's new **Biochemistry** major will benefit from the strength and synergy of the University's well-established Chemistry and Biology programs. The interdisciplinary program builds from foundation courses in chemistry and biology to advanced courses in biochemistry and bioinformatics.

The field of biochemistry is expanding, particularly with recent advances in gene editing. According to the U.S. Bureau of Labor Statistics, the job outlook for biochemists and biophysicists is expected to see a six percent growth rate between 2018 and 2028.

Research-based courses will help you develop skills that will enhance your critical thinking ability, while your time in the laboratory will prepare you with authentic experiences for future careers in science or academics.

The Biochemistry program aligns with Cabrini's Education of the Heart—graduates may go on to become advocates, researchers, and leaders who use their biochemical expertise to improve the health and standards of living for individuals and groups of people our global community.



INTERNSHIP AND CAREER OPPORTUNITIES

Cabrini prepares Biochemistry majors for careers that are in demand across the chemical and pharmaceutical industries as well as in biotechnology, medicine, academics, secondary education, government labs, and other fields related to biochemistry. Students may also choose to pursue medical school or other advanced studies in the sciences.

Recent off-campus internship placements for science majors have included:

- Albert Einstein Medical Center
- Cooper Hospital Department of Anesthesiology
- Dow Chemical Company
- Drexel University College of Medicine
- GlaxoSmithKline
- Janssen Biotech
- Mercer-Bucks Orthopaedics
- Paoli Hospital
- The Philadelphia Zoo
- University of Notre Dame
- The Wistar Institute
- Yards Brewing Company

RELATED CLUBS AND AFFILIATIONS

- American Chemical Society
- Beta Beta Beta (biology honor society), Lambda Rho Chapter
- Gamma Sigma Epsilon (national chemistry honor society), Sigma Rho Chapter
- Minority Association of Pre-Medical Students (MAPS)
- Pennsylvania Academy of Science
- Science Club
- Sigma Zeta (national science and mathematics honor society)

BIOCHEMISTRY CURRICULUM

Here is sample of courses:

BIO/PHY 401

Biophysics

CHE 201

Analytical Chemistry

BIO 206

Cell and Molecular Biology

CHE 211 and 212

Organic Chemistry I and II

BIO263

Genetics

BIO 352

Bioinformatics

BIO 442L

Advanced Biochemistry Laboratory Techniques

CHE 401

Physical Chemistry I

CHE 440 and 441

Biochemistry I and II

CHE 444

Senior Seminar

CHE 488 or

RCHE 466

Internship or Research

PROGRAM CONTACTS

Melinda Harrison, PhD

Chair and Associate Professor,
Chemistry

Anna Blice-Baum, PhD

Assistant Professor, Biology

EXPLORE MORE

cabrini.edu/biochem

CONTACT US

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