

Master of Science in **Biology**

See life on a whole new level

Deepen your understanding of biology, from unlocking the secrets of the gene to acquiring the knowledge to help solve complex medical challenges. The human biology focus of Chatham's Master of Science in Biology (MSBio) program is ideal for ambitious learners who are eager to advance into careers ranging from health-related fields like medicine, physician assistantship, dentistry, and pharmacy, to Ph.D. research or immediate employment in the biotech, governmental, or nonprofit sectors. Learn and work alongside an experienced, dedicated faculty in an intimate program known for providing personal attention to every student. We also provide a significant amount of flexibility to tailor your studies by selecting electives best matched to your career and academic goals.

chatham.edu/MSBio



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The Master of Science in Biology is a program within Chatham University's **SCHOOL OF ARTS, SCIENCE, AND BUSINESS**. Programs in the School of Arts, Science, and Business leverage Chatham's strengths in the liberal arts, business, communications, and the arts, and complement them with professional preparation that helps students prepare for their futures and the next steps in their professional and academic careers.

PROGRAM HIGHLIGHTS

- The **MS Biology-non-thesis track** is a one-year accelerated degree that allows students heading to medical school, dental school, pharmacy school, or physician assistant programs to complete additional requirements and/or improve their qualification and credentials. Students complete a minimum of two labs and ten courses, five of which are electives.
- The **MS Biology-thesis track** typically takes 4-5 terms to complete and provides the research experience needed for students who wish to apply to Ph.D. programs, teach, or work in research positions. Students must complete a minimum of two labs and ten courses, including three electives and two terms of thesis.
- Chatham University's Health Professions Advisory Committee (HPAC) helps students prepare to apply for graduate programs in medicine, dentistry, veterinary science, pharmacy, and much more with mock interviews, essay advice, portfolio preparation, shadowing, and volunteer opportunities.
- Chatham University just opened its new, state-of-the-art cadaver lab! The MSBio program offers several cadaver-based courses — a unique experience for a liberal arts style university.
- Apply for one of the limited number of positions available as a Supplemental Instructor (SI) or tutor to assist with undergraduate courses.
- We are proud of our 80% success rate for student placement in advanced degrees after completing our program.

SAMPLE COURSES

BIO 512 & 512L Advanced Human Gross Anatomy and Lab

An in-depth study of both regional gross human anatomic structures & cellular level tissue. The course is clinically oriented with emphasis on the musculoskeletal, neuromuscular, gastrointestinal, cardiopulmonary, urinary & reproductive systems. Regional study of the head/neck, trunk, and upper/lower extremities is accomplished through human cadaver dissection.

BIO553: Special Topics in Biology: Cadaver Dissection

This course presents an extensive overview of the clinical relevance of gross human anatomic structure through cadaver dissection. It emphasizes the thoracic and abdominal viscera as well as the musculoskeletal and neuromuscular systems. Evident pathologies are highlighted when present. Strong emphasis is placed upon the development of excellent dissection skills and practices.

► chatham.edu/msbio/curriculum.cfm

OUTCOMES

Here is an overview of what some of our recent graduates have gone on to do:

- Schools of Medicine at Howard, LECOM, St. Georges and West Virginia universities
- Physicians assistant studies programs at Chatham University and University of Pittsburgh
- School of Veterinary Medicine at St. Georges University
- College of Dentistry at CUNY Queens
- Ph.D. pharmacology program at Duquesne University
- Newborn audiologist, Children's Hospital of Pittsburgh
- Science Education & Research Coordinator at Phipps Conservatory
- Medical laboratory scientist, Perkin Elmer Genetics
- Clinical research assistant, Covance Pharmaceuticals
- Office of Education, Department of Critical Care Medicine, University of Pittsburgh
- Certified nursing assistant, UPMC Cranberry

“Chatham’s primary mission is teaching, so we offer our MSBio program because we know there is a need for it in our community. We know the program is successful because of the high success rate of our graduates.”

— LISA LAMBERT, PH.D., *professor of biology and chair, Department of Science*

“I particularly enjoyed the small class size and great faculty to student ratio, which ensured ample mentorships from my professors and advisor. My experience at Chatham was exactly what I needed to help me succeed in getting into dental school. I was accepted at my top two choices soon after I graduated, and I know that I couldn’t have succeeded without Chatham’s MS biology program.”

— GRACE WANWAN ZHANG, MSBIO '12

LEARN MORE

chatham.edu/MSBio

Chatham University
Office of Admission
Woodland Road
Pittsburgh, PA 15232
800-837-1290 or 412-365-1825
gradadmission@chatham.edu

APPLICATION REQUIREMENTS

- Baccalaureate degree in biology or related field from an accredited college or university
- All pre-requisite courses
- Overall undergraduate grade point average (GPA) of 3.0 or above on a 4.0 scale. (Probationary admission may be granted for applicants with a GPA of less than a 3.0 who show extreme promise through their other achievements)
- Official transcripts from all colleges and universities attended
- Resume and/or additional supporting information on professional or volunteer activities
- Two letters of recommendation (three if GPA is less than 3.0); at least one recommendation from an academic source, preferably a math or science professor
- Essay on career plans and reasons for pursuing a master's degree in biology

APPLICATION DEADLINES

- Fall Recommended Deadline: July 1
- Spring Recommended Deadline: November 1

Note: We will continue to accept applications after the recommended deadlines if there is space available in the program.

▶ **Apply online at chatham.edu/apply**

FUNDING OPPORTUNITIES

- Chatham University offers a 20% tuition reduction through its partnership with selected employers in the Pittsburgh area. Before you apply, visit chatham.edu/extendedbenefits to find out if you could qualify for this special offer.
- A limited number of research, special project, and teaching assistantships are available to help defray the cost of the tuition while also earning valuable, hands-on experience in the field. This assistantship is in the form of tuition remission and will reduce a student's final tuition bill. Please contact your admission counselor to learn more.