

# BIOMEDICAL SCIENCES (MS)

The PCOM Graduate Program in Biomedical Sciences provides an opportunity for students with baccalaureate degrees to study the biomedical sciences as preparation for science careers or further graduate or professional study. All students enter the program as candidates for the master of science degree. The program presents a broad content base in the basic biomedical sciences with a strong emphasis on human medicine and clinical applications during the first academic year, followed by a concentration in the second year.

Degree completion concentrations are offered in several topics at PCOM's campuses, as described later in this catalog. All first year courses are required for the degree, Master of Science in Biomedical Sciences, or for the certificate of graduate studies for students who choose not to pursue the master's degree. Students who pursue the master's must declare their concentration by the end of their first year.

Course	Title	Hours
<b>First Year</b>		
<b>Term 1</b>		
BIOM 549G	Scientific Communication Skills	2
BIOM 550G	Research Survey Seminar	0
BIOM 553G	Basic Concepts Biomedical Model	2
BIOM 559G	Biostatistics	2
BIOM 562G	Biomedical Anatomy	5
Hours		11
<b>Term 2</b>		
BIOM 550G	Research Survey Seminar	0
BIOM 554G	Neuroscience	3
BIOM 558G	Biochemistry, Cell, & Molecular Biology	5
Hours		8
<b>Term 3</b>		
BIOM 557G or BIOM 567G	Micro Anatomy and Embryology or HNRS Micro Anatomy and Embryology	4
BIOM 563G	Biomedical Physiology	5
BIOM 618G	Epidemiology	1
Hours		10
Total Hours		29

## Master of Science in Biomedical Sciences (MS) - All Campuses

All applicants to the graduate programs in Biomedical Sciences must have successfully completed a bachelor's degree from a regionally accredited college or university prior to matriculation. They must also have completed all undergraduate pre-professional science requirements:

- Eight credit hours each of general biology and physics
- 16 semester hours of general chemistry coursework (including labs), four credits of which must be organic chemistry. Biochemistry is strongly recommended.

"General" coursework denotes the first two courses in the subject sequence for science majors. All courses must be completed at a regionally accredited institution.

The MS in Biomedical Sciences program will accept:

- credits completed at a community college
- courses completed online or on campus
- AP coursework, provided the course and credits appear on your official college transcript

The MS in Biomedical Sciences program will not accept:

- prerequisite coursework completed as an audit or graded pass/fail
- credits completed as CLEP courses
- prerequisite coursework completed internationally

Successful candidates must also show evidence of commitment to a career in the health professions and/or potential for admission to a professional school.

The online application will be available for Fall 2023 admission at <https://www.pcom.edu/admissions/apply/>.

Once your application has been downloaded by the PCOM Office of Admissions, you will be contacted via email with a confirmation of its receipt including reminders of the appropriate steps to complete the application process.

Your application will be processed and assessed by the Faculty Committee on Admissions only after the receipt of:

- A general autobiographical statement explaining your interest in this academic program as it relates to your career goals (in 500 words or less).
- One letter of recommendation from individuals who know the applicant in a professional capacity and can comment on one's character, work ethic, academic history, scientific acumen, empathy, compassion, resilience, emotional intelligence and commitment.

Admissions prefers letters from the following sources:

- A pre-health or academic advisor/committee (undergraduate, post-baccalaureate or graduate programs)
- Undergraduate, graduate or post-baccalaureate faculty (preferably those who delivered a candidate's completed science coursework), who can attest to academic performance and aptitude.

Candidates who may not have the ability to submit a letter from any of the above sources should select letter writers who know them in a professional capacity and can comment on the applicant's character, work ethic, academic history, scientific acumen, empathy, compassion, resilience, emotional intelligence and commitment to graduate education.

Letters of recommendation can be sent through the PCOM application portal or directly to PCOM Admissions in .pdf format at [recommend@pcom.edu](mailto:recommend@pcom.edu). Recommenders can view our For Recommenders (<https://www.pcom.edu/admissions/recommenders/>) page for guidance.

- Submit official reports of standardized test scores: MCAT, PCAT, DAT, OAT, or GRE **This requirement will be automatically waived for applicants with a cumulative GPA of 3.2 or higher on their bachelor's degree granting transcript.**
  - See the following webpage for details on test score submission to PCOM: <https://www.pcom.edu/admissions/apply/biomedical-sciences.html>

- Submit official college transcripts from all colleges/universities schools attended. We will accept electronic transcripts via email from Parchment Services and National Student Clearinghouse to admissions@pcom.edu directly from the college Registrar.

The graduate programs in biomedical sciences utilize a rolling admissions policy. Therefore, applications will be considered throughout the year as received until the desired enrollment has been achieved. Each campus (Philadelphia, Georgia and South Georgia) has a separate application for the biomedical sciences program. The Faculty Committee on Admissions screens the applications, evaluates the applicants and selects the new students. Following the completion of the admissions process, each applicant is notified of the Admission Committee's decision in writing, including any conditions that must be satisfied prior to or following enrollment. Classes begin in the Fall term.

All biomedical sciences graduate program students are accepted as degree candidates and may declare a degree concentration at any time after matriculation.