

# MEDICAL SCIENCE, B.S.

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## Academic Programs

The Bachelor of Science in Medical Science program is designed to fulfill current graduate study entrance requirements to Graduate and Professional Medical, Dental, Physician Assistant and Veterinary Science degree programs. This program is comprised of courses relevant to advanced study in human and animal healthcare. The Medical Science program meets the 120 credit graduation requirement for a Bachelor of Science degree and allows students to complete all introductory science courses during the first two years of study. During the third and fourth years of study, students enroll in upper level science courses to broaden base knowledge, align courses with concentration interests, and apply learned concepts to patient care philosophies.

Students must maintain a grade of C or better in the following courses to progress to the sophomore year within the Medical Science program: BIO 110 Biology I for Science Majors, BIO 112 Biology II for Science Majors, CHE 120 Chemistry I, and CHE 121 Chemistry II. Additional requirements for continuing within the program beyond the sophomore year are indicated within the individual course descriptions.

The Bachelor of Science in Medical Science degree program offers the following majors:

- Medical Science Major (<https://catalog.baypath.edu/traditional-undergraduate/academic-programs/medical-science/medical-science-major/>)

## Student Learning Outcomes

The goal of the Science Department is to provide graduates with the requisite knowledge and skills to engage in technical careers in the biological and forensic sciences, and to proceed to graduate or professional school if desired. Upon completion of the Bachelor of Science in Medical Science program, graduates will be able to:

- Students will **integrate** normal system anatomy and physiology knowledge to **assess** abnormal function.
- Students will **perform** ethical and professional interpersonal skills to serve diverse multicultural patient populations.
- Students will apply biological and molecular concepts to **predict** altered homeostasis.
- Students will **model** concentration specific skills and knowledge for entry into the workforce or education at the post-graduate level.
- Students will **generate** oral and written communication skills essential to advance studies and medical practice.

## Possible Career Options for B.S. Medical Science Graduates

- Forensic Analyst
- Lab Analyst/Supervisor
- Biology Instructor, Grades 8-12
- Researcher
- Teacher
- Pharmaceuticals
- Dental, Medical, or Veterinary School
- Graduate Study