

# Biology/ Pre-Medicine



## School of Arts and Sciences

Medicine is a multifaceted career that allows an individual to pursue a variety of options. Some career choices include those in the fields of allied health or integrative medicine, allopathic or osteopathic medicine, chiropractic practices, optometry, podiatric medicine, medical administration, public health, mental health, environmental health, scientific research, and teaching.

This program prepares students for careers in the health professions by providing the knowledge of fundamental concepts in the biological, biochemical, chemical, physical, and social and behavioral sciences. The curriculum incorporates the core set of prerequisite courses required by most medical programs with additional courses recommended by the American Society for Biochemistry and Molecular Biology (ASBMB).

In addition, this track includes targeted classes in the social and behavioral sciences to prepare students for the Psychological, Social, and Biological Foundations of Behavior Section of the Medical College Admission Test (MCAT). In 2015, the AAMC released a new version of the MCAT exam that eliminated the writing component and placed a stronger emphasis on biochemistry. There is also now a new section dealing with Psychological, Social, and Biological Foundations of Behavior. In response to these changes, the Pre-Medical program at Holy Family now includes two semesters of Biochemistry, a required semester Psychology, and the option to take another social science course.

### Pre-Medical Committee

Holy Family University provides a pre-medical committee consisting of Biology and Psychology faculty members as well as physicians who attended Holy Family as undergraduate students. This committee provides interview preparation, advice, and letters of recommendation to students who complete the program.

### Pre-Medical Advisor

Students in the program will be guided through all four years while at Holy Family by the pre-medical advisor. This interaction creates a personalized experience for each student that includes assistance with securing required medical volunteer experiences, refining material needed on medical school applications, directional guidance with the MCAT, and mock professional interviews.

### Pre-Med Coursework

Pre-Medical track students satisfy the requirements of the Biology degree program and the following track concentration courses:

- Biological Principles I, II
- Anatomy and Physiology I, II
- Cell Biology
- Advanced Microbiology
- Immunology
- Principles of Genetics
- Seminar: Scientific Literature
- Inorganic, Organic, and Cultural Evolution
- Molecular Genetics
- Modern Concepts in Biochemistry I, II
- Research/Internship
- Chemistry Principles I, II
- Organic Chemistry I, II
- Elementary Statistics
- Calculus I
- Calculus II
- Bioethics
- General Physics I, II
- Psychology as a Natural Science
- Successful completion of written and oral components of comprehensive exam and poster presentation

Our Non-Discrimination Statement can be found at [holyfamily.edu/ndstatement](http://holyfamily.edu/ndstatement) or call 267-341-3479.

### For More Information

visit: [www.holyfamily.edu](http://www.holyfamily.edu)

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email: [admissions@holyfamily.edu](mailto:admissions@holyfamily.edu)

*The Value of Family*



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