

## Premedical Post-baccalaureate Program



The College of Arts and Sciences at the University of Miami offers a non-degree program for college graduates who seek admission to a health professional program such as medicine (allopathic or osteopathic), dentistry, podiatry, optometry, or veterinary medicine.

Students who choose the University of Miami receive a well-rounded education that balances classroom studies with intensive practical experience - all under the tutelage of some of the nation's most outstanding faculty. Students have the opportunity to participate in numerous clinical and research settings at the University of Miami School of Medicine, which is the heart of one of the busiest and most sophisticated medical centers in the country. In addition, some medical school faculty members also teach courses on the university's main campus in Coral Gables.

### Program

The Premedical Post Baccalaureate program at the University of Miami is designed to tailor the premedical course of study to the individual needs of the student who as undergraduates did not complete the classes required for admission by most medical schools. This path is designed for students with little or no science preparation, and the course-work typically takes one-and-a-half years to complete.

### Qualifications

To be competitive for admission to the University of Miami post baccalaureate program, a student must possess a baccalaureate degree from an accredited college or university and must have earned a 3.3 grade point average (on a 4.0 scale) in the last two years of academic work. For retention after admission, students must carry a minimum of 12 credits per semester and maintain a 3.5 grade point average.

### Support Services and Developmental Opportunities

A wide variety of student services and opportunities are available to students in the Premedical post baccalaureate program. Following is a sampling of what students can expect:

- ❖ Full advising services including registration for classes
- ❖ Composite letter of evaluation for health professional school
- ❖ Orientation mixer with premedical advisor and chair of premedical committee
- ❖ Research and volunteer opportunities on the UM medical campus
- ❖ Peer tutoring services, interview workshops, writing center support
- ❖ Assistance with the application process to health professional school

## The Curriculum

At the center of the curriculum is a core group of required courses.

### Required Courses

Bil 150/151	General Biology
Bil 160/161	Evolution and Biodiversity
Chm 111/113	Principles of Chemistry I
Chm 112/114	Principles of Chemistry II
Chm 201/205	Organic Chemistry I
Chm 202/206	Organic Chemistry II
Phy 101/106	College Physics I
Phy 102/108	College Physics II

Based on a student's particular needs, there are also additional course options that round out the post baccalaureate program of studies.

### Recommended Courses

Bil 250	Genetics
Bil 255	Cellular and Molecular Biology
Bil 265	General Physiology
Bmb 401	Biochemistry for the Medical Sciences or
Bmb 258	Introduction to Biochemistry
Mic 301	Introduction to Microbiology and Immunology

### Upper-Level Science Courses

Mic 321	Immunobiology
Mic 322	Medical Parasitology
Mic 323	Principles of Microbial Pathogenesis
Mic 434	Microbial Genetics
Bil 268	Neurobiology
Bil 365	Endocrinology
Bil 359	Biophysics
Bil 368	Cell and Molecular Neuroscience
Bil 355	Developmental Biology
Chm 331	Physical Chemistry
Bme 305	Medical Technology
Psy 202	Introductory Psychobiology
Psy 402	Psychobiology

## Certificate

Certificates will be awarded upon successful completion of thirty-six credits of the following premedical course work which must be taken at the University of Miami:

- 10 credits of General Biology I & II with accompanying labs
- 8 credits of General Chemistry I & II with accompanying labs,
- 8 credits of Organic Chemistry I & II with accompanying labs,
- 10 credits of College Physics I & II with accompanying labs.

To qualify for the certificate these classes must be completed over the course of one academic year plus one summer with a GPA of 3.5 or higher.  
(courses may vary based on a student's individual program needs).

## Financial Assistance

Because this is a non-degree-seeking program, financial assistance is limited and available only in the form of loans that do not cover the cost of tuition. We advise students in financial need to seek private funding. For more information please contact: 305-284-5212

## For more information please contact:

**Telephone:** 305-284-5176  
**Website:** [www.as.miami.edu/premed](http://www.as.miami.edu/premed)  
**E-mail:** [premed@miami.edu](mailto:premed@miami.edu)