



Pre-Medical Professions

■ What Is Pre-Medical Professions?

Pre-Medical Professions is simply the fundamental coursework commonly required for professions in medicine. Doctors, podiatrists, dentists, chiropractors, opticians and more (including veterinarians) need to study biological sciences, chemistry and mathematics before being admitted to their professional school.

This program provides you with the first 2 years toward completion of your bachelor's degree in biology or chemistry.

■ Success Factors

If you wish to become a physician (veterinarian, ophthalmologist, podiatrist, dentist, et al.), you must have a desire to serve patients, be self-motivated, and be able to survive the pressures and long hours of a medical education and practice. You must also have good people skills, emotional stability, and the ability to make decisions in emergencies. You must be willing to study throughout your career in order to keep up with medical advances.

■ Career Possibilities

If you complete your bachelor's degree with the requisite scientific background, maintain a superior grade point average, and do well on the Medical College Admission Test (MCAT exam, usually taken at the end of your 3rd year), you can apply to a variety of medical professional schools. Some professions available by this means include the following:

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|-----------------|------------------------|
| physician | veterinarian |
| dentist | chiropractor |
| osteopath | dietitian |
| podiatrist | audiologist |
| ophthalmologist | occupational therapist |
| optometrist | physical therapist |

■ Majoring In Pre-Medical Professions

Medical schools (also dental, optometry and veterinary schools) normally require a baccalaureate degree but do not require specific majors. This pre-medical professions program allows you to choose an emphasis in biology or chemistry and is designed for transfer to a baccalaureate program in either biology or chemistry. It assumes you have a strong high school background in both mathematics and science, including two years of algebra and one year each of plane geometry, chemistry and biology.

In our first year lab sequence, you will perform a variety of hands-on experiments and demonstrations to learn the basics of working in a laboratory setting, including keeping accurate records. Biology classes make extensive use of campus woods and streams for field study of wildflowers, trees and birds.

You should be able to complete this program in 2 years, attending full-time fall, winter and spring quarters. You will need another 2 years of full-time study to complete your bachelor's degree. You will need several years of additional study, depending on which profession you enter.

Preparation for a medical career requires a rigorous course of study. To avoid carrying heavy course loads you may wish to consider taking your English and elective courses during the summer quarters. This is especially true if you choose the 2-year language series (18 credit hours).

■ Program Requirements

You should check with your academic advisor every quarter *before* you register for classes. Two years is really a short time to squeeze in all of your degree requirements. We cannot offer every course every quarter. If you miss taking a prerequisite for a required course, or don't take a particular course the only quarter it is offered during the year, you can jeopardize your ability to complete your degree on time.

| CORE COURSES | Cr. Hrs. |
|---|-----------------|
| First Year Chemistry I, II, III | 12 |
| First Year Chemistry Lab I, II, III | 3 |
| English Composition I, II | 6 |
| Intermediate Composition | 3 |
| Survey of the History of Science | 3 |
| Social Science electives | 6 |
| Foreign Language | 15-18 |
| Fine Arts/History/Literature elective | 3 |
| Area Concentration Studies * | |

* *Biology Concentration*

| | |
|-------------------------------|---|
| Biology I, II, III | 9 |
| Biology Lab I, II, III | 6 |
| Cell Biology | 4 |
| Genetics | 4 |
| Ecology | 4 |
| Finite Mathematics | 3 |
| Applied Calculus I, II | 6 |
| Social Science elective | 3 |

Additional courses recommended for best biology transfer options

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|--|----|
| Organic Chemistry I, II, III | 12 |
| Organic Chemistry Lab I, II, III | 4 |

* *Chemistry Concentration*

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|---|----|
| Organic Chemistry I, II, III | 12 |
| Organic Chemistry Lab I, II, III | 4 |
| Calculus and Analytic Geometry I, II, III | 15 |
| General Physics I, II, III | 12 |
| General Physics Lab I, II, III | 3 |

■ Advantages & Special Opportunities

The Clermont campus is on 92 wooded acres located in Batavia, Ohio, in the heart of Clermont County. We are relatively small and our faculty to student ratio is low. You will find our small class size and personal interaction with your instructors create the ideal learning environment. Parking is convenient and at no additional charge. Plus, our tuition is the lowest of the UC colleges.

Students on all the campuses of the University of Cincinnati rank our quality of teaching as top-rate. Our professors consistently use classroom exercises filled with relevant and up-to-date information.

You will find computers used in laboratories not only for data acquisition, but also for data analysis, experimental design, and theoretical model evaluation. This refinement of traditional laboratory exercises gives you practical experience in the basic techniques of scientific methodology.

■ Admissions

UC Clermont College is an open admissions campus. If you have your high school diploma, GED, or its equivalent, we will admit you. We accept applications all year long and you may start any quarter. Financial aid takes 6-8 weeks to process. We recommend that you apply at least 10 weeks prior to your desired attendance.

You should plan to start medical professions in the fall quarter because the basic series of foundation courses required for this program starts in the fall and continues sequentially through the spring.

■ For More Information, Contact:

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