

Pre-Professional Students: Pre-Medical, Pre-Dental, Pre-Veterinary, Pre-Optometry

While many pre-professional students major in biology or chemistry, students may major in any field. Regardless of major, however, if you're interested in medicine, dentistry, veterinary science, or optometry, you should take at least one year of biology, at least two and one-half years of chemistry, one year of physics, and two semesters of English (writing or literature). Appropriate mathematics courses and two courses in the behavioral sciences (psychology or sociology) are also highly recommended. The science courses are generally completed during your first three years at Hope so you will be prepared to take the appropriate professional admissions test at the end of your junior year.

The health professions advisor, Dr. William Mungall, will hold a meeting during orientation for students interested in health professions. Details will be included in the orientation brochure you'll receive when you come to campus.

If you're intending a biology major...

You should select *Biology 240* (4 credits) and *Chemistry 111/113* (4 credits) for your first semester.

Recommended for second semester are *Biology 260* (4 credits) and *Chemistry 121/114* (4 credits). You may also include one semester of an appropriate mathematics course if your background in math and science is strong (see *Guide for Registration*, page 29). Check pages 15-16 in the *Guide for Registration* for help with selecting an appropriate mathematics course.

If you're intending a chemistry major...

You should select *Chemistry 111/113* (4 credits) and an appropriate math course. Check pages 15-16 in the *Guide for Registration* for help selecting an appropriate mathematics course. If your high school background in mathematics and science is strong (see *Guide for Registration*, page 29), you *may* also include *Biology 240* (4 credits).

Recommended for second semester are *Chemistry 121/114* (4 credits), a second math course (4 credits) and *Biology 260* (4 credits) if you have taken *Biology 240*.

If you're intending a physics major...

You should select *Chemistry 111/113* (4 credits) and an appropriate math course (4 credits). Check pages 15-16 in the *Guide for Registration* for help with selecting an appropriate math course.

Recommended for second semester are *Chemistry 121/114* (4 credits) and *Physics 121/141* (4 credits) and a second math course (4 credits).

If you're intending a non-science major...

You should select *Chemistry 111/113* (4 credits). You should also include *Biology 240* (4 credits) if your background and grades in mathematics and science are strong (see page 29 in the *Guide for Registration*).

Recommended for second semester are *Chemistry 121/114* (4 credits) and *Biology 260* (4 credits). A mathematics course *may* also be selected.

For more information about pre-professional programs, check this web-site <http://www.hope.edu/academic/pre-pro/>

Pre-Professional Students: Pre-Physical Therapy or Pre-Physician Assistant

The pre-professional requirements for applying to physical therapy (PT) or physician assistant (PA) programs vary widely. PA and PT programs require undergraduate course work in the biology, chemistry, physics, the social sciences, and the humanities. Most of these graduate programs require applicants to complete a bachelor's degree. PT programs now award the doctoral degree (DPT). Nearly all PA programs award a master's degree. Depending on the program, earning a bachelor's degree and a master's/doctoral degree in physical therapy or physician's assistant program may require up to seven years of education. Physical Therapy and Physician Assistant programs do not require a specific major. However, many students at Hope who are interested in careers as PAs major in biology, chemistry, or psychology. Many Hope students who are interested in careers in PT major in exercise science in the Kinesiology Department or biology. Students are encouraged to consider majoring in a subject area of interest to them.

The Health Professions Advisor, Dr. William Mungall, will have a meeting during orientation for students interested in physical therapy, physician assistant, and other health professions. The exact date, time, and place will be included in the orientation brochure you'll receive when you come to campus.

If you intend to become a physical therapist or physician assistant...

You may select *Biology 240* (4 credits) if you are planning on a biology major. If your background in science is strong (see page 29 in the *Guide for Registration*), you may also select *Chemistry 111/113* (4 credits) to keep your options as open as possible. Chemistry requirements vary widely. *Psychology 100* (4 credits) is also a good option.

Chemistry 111 and 113 (4 credits) are required for a chemistry major, and you should select these if you are planning on a chemistry major. If your background in science is strong (see page 29 in the *Guide for Registration*), you may also select *Biology 240* (4 credits) to keep your options as open as possible. *Psychology 100* (4 credits) is also a good option.

Students who plan to become physical therapists frequently elect to major in Exercise Science in the Kinesiology Department. If you are planning to become a physical therapist and major in Exercise Science, you should select *Biology 240* (4 credits) for the fall. *Psychology 100* (4 credits) is also a good option.

Recommended for second semester are *Biology 222* (4 credits) or *Biology 260* (4 credits) if you are planning a biology major and *Chemistry 121/114* (4 credits) or *Chemistry 103* (4 credits) if you have taken *Chemistry 111/113*.

For more information about pre-professional programs, check this web-site <http://www.hope.edu/academic/pre-pro/>