

# Preprofessional Programs

Specific requirements for admission to professional schools vary. With the help of an advisor, each preprofessional student should plan a course of study that will meet the specific entrance requirements of the school in which the student is interested. The following statements outline the usual requirements for programs which may be completed with course offerings available at Tech. Preprofessional students who complete the requirements for the Bachelor of Science degree in Basic Sciences with appropriate selection of electives will qualify for admission to most professional schools.

Preprofessional training in the biological and medical allied sciences consists of a thorough background in basic sciences. Hence, the first two years will be essentially the same for all specialties. Courses during the first two years should include ENGL (two semesters); BIOL 111, 112, 331, 333; CHEM 121, 122, 333, 334; MATH 131, 132; PHYS 121, 122; PSY 121; and social science (two semesters).

## Predental, Prephysical Therapy, and Preoptometry Programs

Most accredited schools of these specialties require a minimum of two years of college work. However, most schools give preference to students with three or four years of preparation. Courses should include those listed above for the first two years.

## Premedical Program

Accredited medical schools require a minimum of three years of college work, with a minimum grade-point average of 3.0. However, more than three-fourths of all students now applying to medical school have completed requirements for the baccalaureate degree. In addition to the courses listed above for the freshman and sophomore years, students are advised to take the following courses: BIOL 311, 341, 351, 352, 355, and 437; CHEM 311, 331, 332, 441, and 442. Two years of Spanish, French, or German are recommended. Most premedical students major in biology, chemistry, or basic sciences. The premedical student should be aware that the Medical College Admissions Test is required for admission to medical school.

## Premedical Technology Program

Schools of medical technology require a minimum of three years of undergraduate study; however, the degreed student has a distinct advantage because of the extra year of preprofessional training. Recommended courses in addition to those described above for the first two years include BIOL 311, 341, 351, 355; and CHEM 311.

## Preveterinary Medicine Program

A minimum of two years of acceptable college work is required for admission to a college of veterinary medicine. However, students are strongly advised to undertake at least a three-year preprofessional program. Courses to be included in a two-year program should be those described above. A three-year program should add as many additional courses, except for foreign languages, as possible from those described under the premedical program. A four-year program should include the remaining biology and chemistry courses of the premedical program and be planned to meet the degree requirements for the Bachelor of Science degree in biology, chemistry, or basic sciences.

## Prenursing Program

An increasing number of schools of nursing now require one year of general liberal arts courses for admission. Courses recommended for such nursing curricula are English (two semesters); BIOL 111, 112, 341; general chemistry; general psychology; and general physics (one semester each).

## Prepharmacy Program

Most accredited colleges of pharmacy offer a five-year program, including prepharmacy training, leading to a Bachelor of Science in Pharmacy degree. All such colleges of pharmacy require at least one year of prepharmacy study and some colleges will accept two years. The University of New Mexico has an accredited College of Pharmacy which accepts one year of prepharmacy study. Recommended courses in the prepharmacy curriculum are ENGL 111 and 112; CHEM 121 and 122; BIOL 111; and MATH 131 (MATH 132 recommended).

## Prelaw Program

The usual requirement for admission to an accredited school of law is a baccalaureate degree from an accredited college.

Law schools often look for successful completion of English and writing courses as evidence of writing ability, and successful completion of mathematics and science courses as evidence of logical reasoning ability.

Many Tech degrees are suitable background for the field of patent law. Students interested in patent law should consult with an advisor early in their college career, to ensure they take appropriate courses. Contact Academic Affairs for further information and academic advising.