

schools can be satisfied by specific courses in biology, chemistry, physics, and English. Also calculus is required by some medical schools. Because of competition for admission to medical schools, a grade-point average above 3.5 is highly desirable. The Medical College Aptitude Test (MCAT) is required before a student can be accepted into medical school. It is recommended that the MCAT be taken and application for medical school be made at the end of the junior year.

Freshman, transfer, and all other students who are entering the program are advised to attend the premedical student orientation meeting scheduled prior to registration. (See *Advising and Orientation—Orientation*.) Each student will be assigned to a member of the premedical advisory committee who will assist him or her in planning a program of courses and will advise him or her concerning preparatory procedures for application to medical school.

The Premedical Advisory Committee will mail to any interested student a booklet that covers the operation of the CSU, Fresno premedical program, courses required, and medical school admissions procedures. Write to: **Premedical Advisory Committee, California State University, Fresno; Fresno, CA 93740.**

Predental. The minimum training for dentistry is a six-year course—the first two years (predental training) in a liberal arts college and the remaining four years (dental training) at a school of dentistry.

The minimum predental program required by accredited dental schools is one year each of English, inorganic chemistry, physics, and zoology; one semester of organic chemistry; and additional courses (usually elective in general education, but specified by some dental schools) for a total of 60 units. Each science course must include laboratory. The present trend among dental schools is to require more than two years of predental training including a broad liberal arts background. Since 1971, three years of predental training have been required by the University of California, San Francisco, and some other dental schools. Additional organic chemistry, quantitative chemical analysis, elementary physical chemistry, other zoology courses, and in some cases a foreign language and psychology are recommended or required. Several schools require a bachelor's degree for entrance. The American Dental Association Aptitude Test and evidence of physical fitness and good moral character are usually required. Many dental schools also require a personal interview and some administer additional tests. For other information, see the predental adviser and dental school catalogs.

Prelegal. Most fully accredited law schools require a bachelor's degree for admission. Since a prelegal program providing a broad cultural background is recommended by the law schools, any baccalaureate major, depending on the student's interest, may be chosen from the university offerings. (See *Degree Programs, Majors, and Minors*.) Law schools suggest courses, but not necessarily a major, in the following: written and oral English, American and English constitutional history, world history, accounting, business administration, elementary logic, mathematics, statistics, economics, political science, philosophy, science, and foreign language. For further information consult a prelaw adviser and law school catalogs.

Prelibrarianship. Accredited graduate schools of librarianship require a bachelor's degree for admission. A

major in any subject is acceptable. A reading knowledge of at least one modern foreign language is a requirement for admission to most graduate schools of librarianship; this requirement is normally satisfied by the successful completion of two college years of the language. Also, many schools now require a course in mathematics or statistics. In addition, a course in computer concepts is advisable. Students considering librarianship as a career should consult the prelibrary program adviser in the Henry Madden Library.

Preoptometry. California State University, Fresno provides courses for the completion of the first two years of a six-year optometry program. Most professional schools require junior standing and course work which includes two years of biology, one year of chemistry, mathematics, physics and English, and one semester of psychology and statistics with above average scholarship. Consult optometry school catalogs and the preoptometry adviser, Department of Physics, for further information.

The Optometry College Admission Test is required before application can be made to optometry school. Application should be made one year in advance of enrollment.

Prepharmacy. The first two years (prepharmacy) of a six-year pharmacy program may be completed at CSU, Fresno. All new and transfer students should indicate on application, admittance, and registration papers an interest in prepharmacy-biology. Most professional schools require a *C* average or better for a minimum of 60 semester units, including one year each of inorganic chemistry, physics, calculus, zoology, English composition, and literature; one semester of organic chemistry or quantitative analysis; and additional elective courses that are specified in certain areas by some schools. Students may elect to complete more than 60 semester units before applying to pharmacy school. A personal interview may be required of applicants by some schools. For other information see pharmacy school catalogs and consult the prepharmacy adviser in the Department of Biology.

Preveterinary. Students preparing for the veterinary profession can satisfy their preveterinary curriculum requirements at CSU, Fresno. Preveterinary students should plan to complete a B.S. degree in agricultural science (animal science) or a B.A. degree in biology prior to application to a school of veterinary medicine. Students should keep in mind, however, that adequate performance on the advanced biology portion of the Graduate Record Examination within five years prior to application is a major requirement for admission to veterinary school in California.

Courses recommended by the Department of Animal Science and Agricultural Education for its majors preparing for veterinary school include Animal Science 10, 65, 120, and 125; Chemistry 1A, 1B, 8, 109, and 150; Physiology 140; Physics 2A and 2B; Zoology 1 and 160. The School of Agriculture and Home Economics is equipped to provide valuable experience with large animals through the student project program. Admission to veterinary school in California requires about 20 week-equivalents (800 hours) of relevant animal experience in activities that specifically give the applicant an appreciation and understanding of the profession of veterinary medicine.

Students desiring further information regarding the preveterinary curriculum should consult the chair of the animal science department and/or the adviser in the biology department.