Preparatory Courses of Study

Preparatory courses of study are non-major programs offering supervised and independent studies to prepare students for specialty educational institutions.

**Pre-Law (non-major)**

Pre-Law Advisors
- Joice Chang, Politics
- Lynnette Chen, Philosophy
- Marlon Sherman, Native American Studies

The Program
Pre-law is not a specific course of study in a particular discipline. There is no established major or specific course of studies for pre-law preparation. Many different routes exist for preparing for the study of law. Various legal professional organizations, such as the American Bar Association and the Association of American Law Schools, emphasize that success in legal education comes from a background that has developed the essential skills of strong analytic thinking, including the ability to analyze arguments and situations with sound reasoning, and the ability to communicate well, both orally and in writing.

Any number of possible majors and minors, along with elective courses, can be combined in preparation for the study of law. The best plan is to choose a major that interests you, and choose as many challenging courses from other areas as possible that support your development as noted above. Perhaps the best way to prepare for law school at Humboldt is to take challenging courses. This will train your mind to perform well within the rigors of law school studies and later as a member of the legal profession.

Pre-law students should remain in close contact with one of the pre-law advisors.

The Academic and Career Advising Center has information on admission to law schools and the Law School Admission Test (LSAT).

More information is available through the Pre-law advising website at: humboldt.edu/prelaw.

**Pre-Professional Health (non-major)**

Pre-Dental Advisor
- John Reiss, jor1@humboldt.edu

Pre-Medical Advisor
- Jianmin Zhong, jz15@humboldt.edu

Pre-Optometry Advisor
- Jianmin Zhong, jz15@humboldt.edu

Pre-Pharmacy Advisors
- Jianmin Zhong, jz15@humboldt.edu
- Jeff Schineller, jbs4@humboldt.edu

Pre-Physical Therapy
- Whitney Ogle, Whitney.Ogle@humboldt.edu
[see Kinesiology major]

Pre-Veterinary Advisors
- Sharyn Marks, sbm1@humboldt.edu

Biological Sciences
- Science Complex B 221
- 707-826-3245
- humboldt.edu/biosci

Humboldt’s Career Center has information on requirements at medical and other professional schools.

The Program
Several of Humboldt’s undergraduate programs in the biological and physical sciences prepare students to meet admissions requirements for health science professional schools. Usually these schools require a broad education in biological and physical sciences, which Humboldt provides.

Humboldt offers both supervised and independent studies to prepare for professional schools.

Requirements
Requirements listed here are typical for health science and related professional schools. Contact individual professional schools for specific requirements and consult pre-professional advisors.

General Education courses and other requirements for the major: (To demonstrate a well-rounded background, the HIST 104-HIST 105 sequence is recommended.)

**Biology:**
- BIOL 105: Principles of Biology
- BIOL 340: Genetics
- ZOOL 110: Introductory Zoology
- ZOOL 310: Animal Physiology
- ZOOL 312: Human Physiology

**Chemistry:**
- CHEM 109: General Chemistry I
- CHEM 110: General Chemistry II
- CHEM 324/324L: Organic Chemistry I/Lab
- CHEM 325/325L: Organic Chemistry II/Lab
- CHEM 438: Introductory Biochemistry or the CHEM 434-435 Biochemistry series. Start the CHEM 109-CHEM 110 sequence as soon as possible.

**Mathematics:**
- MATH 103: Calculus I
- MATH 110: Calculus II (or MATH 105: Calculus for the Biological Sci, MATH 215: Multivariate Calculus for the Biological Sci for pre-medical students). The amount of calculus required by professional schools varies, but a full year is highly recommended. Start the mathematics sequence in the freshman year; because physics and chemistry courses have mathematics prerequisites. Pre-veterinary students should take STAT 109: Introductory Biostatistics.

**Physics:**
- PHYX 106, PHYX 107 (College Physics sequence) or PHYX 109, PHYX 210, PHYX 211 (General Physics sequence).

**Zoology:**
- ZOOL 270: Human Anatomy is strongly recommended for pre-medical students.

Other courses may be required to prepare adequately for appropriate aptitude examinations.

Pre-professional students should remain in close contact with their pre-professional advisors.