Pre-Dentistry

University of Illinois offers the opportunity for students to pursue an educational goal of Pre-Dentistry. This can be done at the time of application or can be declared after enrollment at the University of Illinois. It is important to note that educational goals are not majors offered at the University of Illinois. Instead, students will have access to specific advisors to help prepare for their post-undergraduate goals, while completing all necessary coursework in their intended major. Applicants interested in a pre-professional program should plan on completing the coursework listed in the following pages. **However, admission to the University of Illinois will be based on the applicant’s intended major.**

Pre-professional Requirements for Dentistry

Dentistry is a career requiring a professional degree. Students are required to complete certain undergraduate prerequisite courses in order to be eligible to apply to dental school. It is essential for students to research and know the requirements for admission to each of the dental schools to which they apply. These requirements are listed in the Official Guide to Dental Schools, published by the American Dental Education Association (ADEA). This resource can be viewed at The Career Center. Additional information about preparation for dental school can be found at: [www.adea.org](http://www.adea.org).

Pre-Health Advising at The Career Center

Admission into dental school is highly competitive. The Career Center provides pre-professional advising for students who are interested in pursuing dentistry as a career. This includes discussion of prerequisites and expectations of dental schools, preparation in and outside the classroom, details of the application process and characteristics of competitive applicants. The Center also coordinates an annual professional school fair in the fall, plus a variety of workshops through the academic year to provide information about preparation for health professions.

Contact The Career Center at (217)/333-0820 or online at: [https://www.careercenter.illinois.edu](https://www.careercenter.illinois.edu)

Academic Advising

Since students who are interested in the health professions are expected to enter degree programs of their choice, their academic advising is provided by the departmental offices of the curricula or majors that they have selected. Academic Advisors can assist students in making sure they are making appropriate progress towards completing their degree programs at the University of Illinois.

Completing transfer coursework similar to or equivalent to the following courses prior to transferring to the University of Illinois may be helpful.

- MCB 244, Human Anatomy & Physiology I
- MCB 246, Human Anatomy & Physiology II
- PHYS 101, College Physics: Mech & Heat
- PHYS 102, College Physics: E&M & Modern
- RHET 105, Writing and Research – normally a two-course transfer sequence

Completion of biology and chemistry prerequisite courses prior to transfer is acceptable as long as additional courses in one or both disciplines are completed at the University of Illinois.

The following information represents the MINIMUM course requirements to prepare for dental school.

Some colleges of dentistry may require additional coursework and/or expect students to go beyond minimum preparation. AP and Proficiency credits are not always accepted by dental schools to fulfill prerequisite requirements.

Students are strongly encouraged to research specific dental schools of interest!

One Year of Biology with Labs: A minimum of two biology lectures and two biology labs is required. More than one year of biology coursework is necessary to adequately prepare for the Dental Admission Test (DAT) and for dental school curricula.

**CONTACT INFORMATION:** The Career Center, 715 South Wright Street, Champaign, IL 61820; Phone: 217/333-0820; Fax: 217/333-0122 or [https://www.careercenter.illinois.edu](https://www.careercenter.illinois.edu)
General Biology:
MCB 150, Molecular and Cellular Basis of Life/ MCB 151*, Molecular and Cellular Lab
IB 150, Organismal & Evolutionary Biology/IB 151*, Organismal & Evolutionary Biology Lab

*MCB and IB majors do NOT take MCB 151 or IB 151. Pre-health students in any major who choose to take upper level labs do not need to take MCB 151 and/or IB 151.

Anatomy & Physiology (2 lectures strongly recommended):
MCB 244, Human Anatomy & Physiology I
MCB 246, Human Anatomy & Physiology II

Genetics (one lecture recommended):
MCB 250, Molecular Genetics and optional MCB 251, Exper. Techniques in Molecular Bio Lab
or IB 204, Genetics (4 hour option includes lab)

One Year of General/ Inorganic Chemistry with Lab: Two chemistry lectures and two chemistry labs are required.
CHEM 102, General Chemistry I/CHEM 103, General Chemistry Lab I
CHEM 104, General Chemistry II/CHEM 105, General Chemistry Lab II

NOTE: CHEM 202/203 may substitute for CHEM 102/103 and CHEM 204/205 may be substituted for CHEM 104/105.

One Year of Organic Chemistry with Lab: Two organic chemistry lectures and at least one organic chemistry lab are required—please refer to the additional notes below.
CHEM 232, Elementary Organic Chemistry I/CHEM 233, Elementary Organic Chemistry I Lab
CHEM 332*, Elementary Organic Chemistry II/CHEM 437**, Organic Chemistry II Lab

*Several dental schools will substitute a Biochemistry lecture for the second semester of organic chemistry. See below for Biochemistry courses.

**Currently very few schools require a second Organic Chemistry lab.

NOTE: CHEM 236/237 may substitute for CHEM 232/233 and CHEM 436 may substitute for CHEM 332.

Biochemistry (one lecture recommended)
BIOC 455, Techniques in Biochem & Biotech Lab (Currently very few schools require a Biochem lab)
MCB 354, Biochemistry and Physical Basis of Life
MCB 450, Biochemistry

One Year of Physics with Lab:
PHYS 101, College Physics: Mechanics & Heat (5 hrs-includes lab)
PHYS 102, College Physics: E & M and Modern (5 hrs-includes lab)

NOTE: PHYS 211 may substitute for PHYS 101 and PHYS 212 may substitute for PHYS 102

One Year of English Composition is required by most dental schools which would include the completion of the following requirements on this campus:
Composition I (General Education Requirement) – normally a two-course transfer sequence
Advanced Composition requirement (General Education Requirement) – usually completed on this campus
Pre-Law Advising Services

University of Illinois offers the opportunity for students to declare an educational goal of Pre-Law. Students will have access to specific advisors to help prepare for their post-undergraduate goals, while completing all necessary coursework in their intended major.

Law school is a three-year graduate program. A baccalaureate degree from an approved undergraduate college and a satisfactory score on the Law School Admission Test (LSAT) are required for admission to colleges of law. In general, applications for admission will be evaluated by giving significant, and in many cases, controlling weight to the applicant's undergraduate grade point average and score on the LSAT. Other considerations include work experience, leadership positions and community service.

**Pre-law is not a major concentration or a minor** and, therefore, has no programmatic prerequisite coursework. Because prior education in diverse fields is valuable to the law student and to the lawyer, there are no specifically required courses for pre-legal study. However, the American Bar Association recommends that all pre-law students **develop strong reading, writing, analytical and oral communication skills**. Regardless of major, students should seek out coursework that continues to help them develop these skills.

**Please refer to the recommended GPA and program requirements listed for the program of study the prospective student intends to pursue.** Perhaps the most concise, yet complete, discussion of the coursework and skills to be taken and developed is contained in the Official Guide to U.S. Law Schools, published by the Law School Admission Council. The Official Guide to U.S. Law Schools is available online at: [http://officialguide.lsac.org](http://officialguide.lsac.org). Additional contact information is listed at the bottom of this page.

Visit the [Pre-Law Advising Services](http://www.prelaw.illinois.edu) webpage for more information and for access to our Pre-Law Handbook at: [www.prelaw.illinois.edu](http://www.prelaw.illinois.edu)

Pre-Law Advising Services is located at the Campus Center for Advising and Academic Services (CCAAS) and is available to University of Illinois undergraduate students in all colleges and across all majors.
Pre-Medicine

University of Illinois offers the opportunity for students to declare an educational goal of Pre-Medicine. This can be done at the time of application or can be declared after enrollment at the University of Illinois. It is important to note that educational goals are not majors offered at the University of Illinois. Instead, students will have access to specific advisors to help prepare for their post-undergraduate goals, while completing all necessary coursework in their intended major. Applicants interested in a pre-professional program should plan on completing the coursework listed in the following pages. However, admission to the University of Illinois will be based on the applicant's intended major.

Pre-professional Requirements for Medicine

Medicine is a career requiring a professional degree. Students are required to complete certain undergraduate prerequisite courses in order to be eligible to apply to medical school. It is essential for students to research and know the requirements for admission to each of the medical schools to which they apply. These requirements are listed in the Medical School Admissions Requirements (MSAR) book, published by the Association of American Medical Colleges (AAMC) and the Osteopathic Medical College Information Book (CIB), published by the American Association of Colleges of Osteopathic Medicine (AACOM). Both resources can be viewed at The Career Center. Additional information about preparation for medical school can be found at: www.aamc.org and www.aacom.org.

Pre-Health Advising at The Career Center

Admission into medical school is highly competitive. The Career Center provides pre-professional advising for students who are interested in pursuing medicine as a career. This includes discussion of prerequisites and expectations of medical schools, preparation in and outside the classroom, details of the application process and characteristics of competitive applicants. The Career Center also coordinates an annual professional school fair in the fall, plus a variety of workshops through the academic year to provide information about preparation for health professions.

Contact The Career Center at (217)/333-0820 or online at: https://www.careercenter.illinois.edu

Academic Advising

Since students who are interested in the health professions are expected to enter degree programs of their choice, their academic advising is provided by the departmental offices of the curricula or majors that they have selected. Academic Advisors can assist students in making sure they are making appropriate progress towards completing their degree programs at the University of Illinois.

Completing transfer coursework similar to or equivalent to the following courses prior to transferring to the University of Illinois may be helpful.

- MCB 244, Human Anatomy & Physiology I
- MCB 246, Human Anatomy & Physiology II
- PHYS 101, College Physics: Mech & Heat
- PHYS 102, College Physics: E&M & Modern
- PSYC 100, Intro Psych
- SOC 100, Introduction to Sociology
- RHET 105, Writing and Research - normally a two-course transfer sequence

Completion of biology and chemistry prerequisite courses prior to transfer is acceptable as long as additional courses in one or both disciplines are completed at the University of Illinois.

The following information represents the MINIMUM course requirements to prepare for medical school.

Some medical schools may require additional coursework and/or expect students to go beyond minimum preparation. AP and Proficiency credits are not always accepted by medical schools to fulfill prerequisite requirements.

CONTACT INFORMATION: The Career Center, 715 South Wright Street, Champaign, IL 61820; Phone: 217/333-0820; Fax: 217/333-0122 or https://www.careercenter.illinois.edu
Students are strongly encouraged to research specific medical schools of interest!

One Year of Biology with Labs: A minimum of two biology lectures and two biology labs is required. More than one year of biology coursework is necessary to adequately prepare for the Medical College Admissions Test (MCAT) and for medical school curricula.

General Biology:
MCB 150, Molecular and Cellular Basis of Life/MCB 151*, Molecular and Cellular Lab
IB 150, Organismal & Evolutionary Biology/IB 151*, Organismal & Evolutionary Biology Lab

*MCB and IB majors do NOT take MCB 151 or IB 151. Pre-health students in any major who choose to take upper level labs do not need to take MCB 151 and/or IB 151.

Anatomy & Physiology (2 lectures strongly recommended):
MCB 244, Human Anatomy & Physiology I
MCB 246, Human Anatomy & Physiology II

Genetics (one lecture recommended):
MCB 250, Molecular Genetics and optional MCB 251, Exper Techniques in Molecular Bio Lab
or IB 204, Genetics (4-hour option includes lab)

One Year of General/Inorganic Chemistry with Lab: Two chemistry lectures and two chemistry labs are required.
CHEM 102, General Chemistry/CHEM 103, General Chemistry Lab I
CHEM 104, General Chemistry II/CHEM 105, General Chemistry Lab II

NOTE: CHEM 202/203 may substitute for CHEM 102/103 and CHEM 204/205 may be substituted for CHEM 104/105.

One Year of Organic Chemistry with Lab: Two organic chemistry lectures and at least one organic chemistry lab are required—please refer to the additional notes below.
CHEM 232, Elementary Organic Chemistry I/CHEM 233, Elementary Organic Chemistry I Lab
CHEM 332*, Elementary Organic Chemistry II/CHEM 437**, Organic Chemistry II Lab

*Several medical and podiatry schools will substitute Biochemistry lecture for the second semester of organic chemistry.
See below for Biochemistry courses.

**Currently very few schools require a second Organic Chemistry lab.

NOTE: CHEM 236/237 may substitute for CHEM 232/233 and CHEM 436 may substitute for CHEM 332.

Biochemistry (one lecture recommended)
BLOC 455, Techniques in Biochem & Biotech Lab (Currently very few schools require a Biochem lab)
MCB 354, Biochemistry and Physical Basis of Life
MCB 450, Biochemistry

One Year of Physics with Lab:
PHYS 101, College Physics: Mechanics & Heat (5 hrs-includes lab)
PHYS 102, College Physics: E & M and Modern (5 hrs-includes lab)

NOTE: PHYS 211 may substitute for PHYS 101 and PHYS 212 may substitute for PHYS 102.

One Year of English Composition is required by most medical schools which would include the completion of the following requirements on this campus:
Composition I (General Education Requirement) – normally a two-course transfer sequence
Advanced Composition Requirement (General Education Requirement) – usually completed on this campus

CONTACT INFORMATION: The Career Center, 715 South Wright Street, Champaign, IL 61820;
Phone: 217/333-0820; Fax: 217/333-0122 or https://www.careercenter.illinois.edu