

Pre-Professional Programs

Pre-Health Professions

Missouri S&T offers several programs of study to prepare students for success in the professional schools of human medicine, veterinary medicine, dentistry, and related areas of health care. Advisors are available to assist students considering minoring in a pre-health profession; students considering this option should declare their intentions as soon as possible and are strongly encouraged to obtain shadowing or volunteer experience.

Pre-Medicine Minor

Students completing the Pre-Medicine Minor curriculum in addition to the BA/BS curriculum will have completed all requirements for admission to most medical, dental, veterinary, or health profession programs. This minor is not intended for a student majoring in Chemistry, Biological Sciences, or Chemical and Biological Engineering which already offer a Pre-Medicine approved curriculum.

Required Courses for the Pre-Medicine Minor:

BioSci 2213 and 2219: Foundations in Biology w/ lab
Chem 1310, 1319, 1320, 1100: General Chem w/ labs
Chem 2210, 2219, 2220, 2229: Organic Chem w/ labs
Physics 1145, 1119, 2145, and 2119: General Physics w/ labs

Math two semester to include math 1208 or 1214
One of the following two courses (taking both courses is highly recommended):

BioSci 2223: General Genetics
Chem 4610: Biochemistry

Pre-Medicine Courses

1211: Introduction to Health Careers
3010: Communication Workshop for the Pre-Health Student

Pre-Nursing

Students interested in obtaining a Bachelor of Science in Nursing (B.S.N) may take two-three semesters of courses at Missouri S&T to prepare for entrance into a nursing school. Most B.S.N. programs require courses in biology, chemistry, English, history, humanities, math, and social sciences. All of these courses are offered at Missouri S&T. Students choosing this route will have an academic advisor who will assist with the selection of coursework and the nursing schools to which they will apply.

Department Contact:

Chair of Pre-Health Professions – Dr. Dave Westenberg
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Pre-Law

Missouri S&T offers several programs of study to prepare students for admittance to a professional school of law. Today's law students come from a wide variety of backgrounds. History, English, Business, and Political Science are the traditional route to law, but students majoring in engineering, science and technological fields are entering law school and provide unique backgrounds for special litigation in patent law or the problems of product liability and government regulations.

To qualify for the pre-law minor, students must complete 18 credit hours of coursework.

Pre-Law Courses:

Phil 1115 (required for all minors): Intro to Logic

Two of the following:

History 1300: American History to 1877

History 1310: American History since 1877

Political Science 1200: American Government

Three of the following:

Comp Sci 4700: Intellectual Property for Comp Scientists

Bus 1210: Financial Accounting

Bus 2910: Business Law

Engl 2410: Theory of Written Communication

Engl 3101: Advanced Composition

Hist 2510: History of Technology to 1900

Hist 2530: History of Science

Phil 3235: Business Ethics

Phil 4340: Social Ethics

Phil 4345: Phil of Science

Phil 4350: Environmental Ethics

Phil 4360: Foundations of Political Conflict

IST 5168/Phil 4368: Law and Ethics in E-Commerce

Econ 4430: Cost-Benefit Analysis

Econ 4820: Labor Economics

Econ 3830: History of Economic Thought

Pol Sci 2760: Contemporary Political Thought

Pol Sci 3300: Principles of Public Policy

Pol Sci 3310: Public Policy Analysis

EMgt 5514: Patent Law

EMgt 5512: Legal Environment

Etym 4306: Intro to Etymology

Department Contact:

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