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
573.341.4798 djwesten@mst.edu

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 Though
  - 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:
Pre-Law Advisor – Dr. Michael Meagher
573.341.4342 mmeagher@mst.edu