

PRE-MEDICINE PROGRAM

Pre-medicine is not a major; it is a specific curriculum, or set of courses, that are required for admission to medical school. Before entering medical school, students will complete a baccalaureate degree, which requires the selection of a major. There is no one recommended or “correct” major for pre-medical students. Students should choose a major based on their areas of interest. Once a major field is selected, pre-medical course requirements are incorporated into the undergraduate degree requirements.

For more information about preparing for medical school, consult the American Association of Medical Colleges website at <www.aamc.org/students>, the *Medical School Admission Requirements* handbook (available in the Swenson Science & Engineering Student Affairs Office, 140 Engineering Building) or the website for the medical school to which you are considering applying.

| FIRST YEAR* | | | |
|---|-------------|--|-------------|
| FALL SEMESTER | | SPRING SEMESTER | |
| Chem 1151 General Chemistry I | 5 cr | Chem 1152 General Chemistry II | 5 cr |
| Biol 1011 General Biology I | 5 cr | Biol 1012 General Biology II | 5 cr |
| WRIT 1120 College Writing | <u>3 cr</u> | Math 1296 Calculus I [^] | <u>5 cr</u> |
| Total: 13 cr | | Total: 15 cr | |
| SECOND YEAR* | | | |
| CHEM 2541 Organic Chemistry I | 3 cr | CHEM 2542 Organic Chemistry II | 3 cr |
| CHEM 2543 Organic Chemistry I Lab | 1 cr | CHEM 2544 Organic Chemistry II Lab | 1 cr |
| Phys 1001 Introduction to Physics ¹ | 5 cr | Phys 1002 Introduction to Physics ¹ | 5 cr |
| Psychology course | 4 cr | Major/minor/liberal education courses ² | <u>6 cr</u> |
| Major/minor/liberal education course ² | <u>3 cr</u> | Total: 15 cr | |
| Total: 16 cr | | | |
| THIRD YEAR* | | | |
| WRIT 3XXX Advanced Writing | 3 cr | Chem 3322 Biochemistry | 3 cr |
| Major/minor/liberal education course ² | 9 cr | Major/minor/liberal education course ² | 9 cr |
| Recommended electives ² | <u>3 cr</u> | Recommended electives ² | <u>3 cr</u> |
| Total: 15 cr | | Total: 15 cr | |
| MCAT: Students typically take the MCAT in January, April, May, June, July, August, or September of the third year. | | | |
| FOURTH YEAR* | | | |
| Completion of remaining major, minor, and liberal education courses and all degree requirements for spring graduation. | | | |
| Medical School application deadlines: <i>Early Decision</i> admission program deadline is August 1 for all medical schools; <i>Regular admission</i> program deadlines are between October 15 and December 1 for most medical schools. | | | |

*Actual courses and credit loads will vary each semester based on the student’s declared major and/or minor areas.

[^]First math course is determined by math placement exam. This schedule presupposes placement into Math 1296.

¹ Students may also take Phys 2011 and 2012, which require the completion of Math 1296 and 1297, Calculus I and II.

²Review the back of this program sheet for specific requirements/recommended electives for the Minnesota medical schools.

For additional information:

Swenson College of Science and Engineering
Student Affairs Office
140 Engineering Building
218-726-7585
csesa@d.umn.edu
<http://www.d.umn.edu/csesa>

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The courses listed on the front of this planning sheet are required by all medical schools; however, each medical school may also have additional course requirements and recommendations. Below are the additional requirements and recommendations for the three medical schools located in Minnesota:

ADDITIONAL COURSE REQUIREMENTS FOR MINNESOTA MEDICAL SCHOOLS

UNIVERSITY OF MINNESOTA DULUTH SCHOOL OF MEDICINE

<http://www.med.umn.edu/duluth/>

- a. Requires 2 semesters of “Humanities” as specified below:
 - ↳ Two courses required
 - ↳ One of these courses must be at the upper division (i.e. a course usually taken by a junior or senior.)
 - ↳ Disciplines included in this category: American Studies, Art, Communication, Economics, Geography, Government, History, Languages, Literature, Music, Philosophy, Political Science, Religion, Speech, and Theatre.
- b. Requires 2 semesters of “Behavioral Science” as specified below:
 - ↳ One psychology course is required: PSY 2021 Developmental Psychology and/or PSY 3121 Abnormal Psychology are strongly recommended as courses to fulfill this requirement.
 - ↳ One of these courses must be at the upper-division level (i.e. a course usually taken by a junior or senior.)
 - ↳ “Behavioral Science” includes the following disciplines: psychology, sociology, and anthropology.

UNIVERSITY OF MINNESOTA MEDICAL SCHOOL (TWIN CITIES CAMPUS)

<http://www.med.umn.edu/>

- a. Requires 2 semesters of “English” as specified below
 - ↳ One course in composition is required
 - ↳ One course in literature is required
- b. Requires 4 semesters of “Social & Behavioral Sciences, and Humanities” as specified below
 - ↳ One course in Psychology is required
 - ↳ Three additional courses in two of the following areas -- history, sociology, anthropology, philosophy, comparative studies, English literature, music, or art.
- c. The following courses are “recommended electives:”
 - ↳ Biol 2201 Genetics
 - ↳ Stat 2411 Statistics

MAYO MEDICAL SCHOOL

<http://www.mayo.edu/mms/>

The Mayo Medical School has no additional course requirements or recommendations.

Links to medical schools in other parts of the U.S. may be accessed at the following website:
<http://www.aamc.org/students/amcas/participatingschools.htm>