

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
Comp 1120 College Writing	<u>3 cr</u>	Math 1296 Calculus I [^]	<u>5 cr</u>
Total: 13 cr		Total: 15 cr	
SECOND YEAR*			
Chem 2521 Organic Chemistry I	4 cr	Chem 2522 Organic Chemistry II	4 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*			
Comp 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>