

**Pre-Medicine (CODE AS 40532)**Delta College Associate in Science  
Transfer Program University of Michigan

The following are courses necessary to apply for medical school. You first need a bachelor's degree as well. Be aware that the maximum number of credits that you could transfer from Delta to count at U of M towards your bachelor's degree would be 60 credits without an associate's degree and 62 credits if you have earned an associates degree.

There is no specific preference for particular undergraduate majors. Students applying to medical school chose every major from Art to Zoology. You are encouraged to select a major that interests you, while weaving the required pre-medical courses into your elected curriculum. You must select a major other than Pre-Med at U of M. Most medical schools recommend the pursuit of a broad liberal arts education, including the study of humanities and the social sciences. Accordingly, students who have majored in the arts and humanities are considered on an equal basis with those who have majored in a science. (*Medical School Bulletin*, U of M)

Many courses have prerequisites. See course descriptions in current catalog or on website at <http://www.delta.edu/catalog/courses.asp>

See the U of M LSA Transfer Guide for options and equivalencies at [www.ugadmiss.umich.edu/transferguides](http://www.ugadmiss.umich.edu/transferguides)

DEPT/CAT #	U. OF M. Equiv.	COURSE TITLE	CR. HRS.	NOTES
English ___ ENG 111	ENGL 125	College Composition I	3	An advanced course in English will be taken at U of M
Humanities ___ ___ ___ ___ ___ ___ ___ ___ ___		<b>Choose three:</b> ( <i>must be in at least two subject areas</i> ) Art 151, 152, 251, 255; LIT 201H, 220-227, 241, 242, 245, 246, 268, 269, 271, 276-278, 283, 285; IHU 101, 201H; MUS 111, 112; PHL 211, 213-215	3/4 3/4 3/4	Satisfies U of M Humanities Area Distribution requirement  PHL 215, Health Care Ethics, is recommended
___ ___ ___		<b>Choose from:</b> FR 212, GE 212, SPA 212	4	U of M requires fourth semester proficiency in one language at the end of your sophomore year. This can also be met by completion of the fourth-year level of foreign language in high school with a grade of "C" or better, or through certified proficiency of the U of M reading and listening test. This is also required for Medical School.
Natural Science ___ BIO 111 ___ BIO 172		Principles of Biology Integrated General Biology II	4 4	Natural Sciences satisfy Medical School Science requirements, and U of M's Natural Science Area Distribution requirement
___ CHM 111 ___ CHM 112	CHEM 130 CHEM 125	General & Inorganic Chem. I General & Inorganic Chem. II	4 4	See U of M's "Basic Academic Requirements" sheet for the Quantitative Reasoning requirement
___ CHM 210 ___ CHM 210L	CHEM 210 CHEM 211	Organic Chemistry I Organic Chemistry I Lab.	4 1	
___ CHM 220 ___ CHM 220L	CHEM 215 CHEM 216	Organic Chemistry II Organic Chemistry II Lab.	4 1	
___ PHY 111 + ___ PHY 112	PHYS 125 & 127 PHYS 126 & 128	General Physics I General Physics II	4 4	
<b>OR</b> ___ PHY 211+ ___ PHY 212	PHYS 140 & 141 PHYS 240 & 241	Physics I Physics II	5 5	
Additional Science ___ BIO 130 ___ BIO 199H		Intro. Chem. And Cell Bio. Human Heredity and Sexuality	3 4	U of M recommends courses in genetics and cell biology as these topics contribute to preparation for the Medical School curriculum
Social Science ___ PSY 211 ___ ___ ___ ___ ___ ___		General Psychology	4	PSY 211 also satisfies Medical School requirement.
		<b>Choose two:</b> ECN 221; 222; GEO 105; HIS 111, 112, 214, 215, 221, 222; POL 103, 111, 221, 225; SOC 215, 231	3/4 3/4	Social Sciences satisfy U of M's Social Science Area Distribution requirement.
Additional Course: The Race or Ethnicity requirement is to be completed at U of M. See U of M's "Basic Academic Requirements" sheet.				

**ASSOCIATE DEGREE:** Minimum of 62 credit hours including the above listed classes, an approved POL course, an approved College Composition II course, LW 220, and an approved LWA course.

To schedule an appointment with a U of M LSA pre-health academic advisor, call (734) 764-0332.

**DELTA COLLEGE IS NEITHER RESPONSIBLE FOR PROGRAM REQUIREMENTS NOR FOR YOUR ACCEPTANCE TO U of M OR MEDICAL SCHOOL. BOTH DELTA AND U of M RESERVE THE RIGHT TO MODIFY COURSES, PREREQUISITES, AND PROGRAMS.**

## **What Should I Study**

*"Since the many fields of medicine offer opportunities for those talented in both the humanities and the sciences, students should allow personal interests to dictate their choice of undergraduate major."  
(Medical School Bulletin, The University of Michigan)*

Medical school admissions committees do not expect all medical applicants to concentrate in the sciences. Indeed, a science major, such as biology or chemistry, is not a prerequisite for medical school. Medical schools recognize that physicians must have a variety of skills and a diverse education to serve their patients well.

It is important for students to carefully consider their area of concentration. What are you interested in? What kinds of knowledge (beyond biology and chemistry) will make you a better physician? What concentration will provide a foundation for the pursuit of several career alternatives? And, again, it is important to consider your own interests. Often, the undergraduate years are the last available opportunity to study in depth a non-science subject that you want to learn about. Don't worry about what will look good. Doing well and having enthusiasm for your studies is what medical schools want to see. Medical schools will consider a biology major, political science major, art history major, or a degree in general studies.

Medical school admissions committees look for well-educated, interesting students who do well when they apply themselves to a task or vocation. YES, students must do well in the required pre-medical courses (biology, chemistry, physics), but there are skills beyond the sciences that make a successful medical student and a good physician. These include: Writing Skills, "People" Skills, Problem-Solving Abilities, Understanding Cultural, Religious, and Ethnic Differences, Bioethics, and Medical Economics.

## **Medically Related Experience**

There is a noticeable trend among medical schools and other health-related graduate programs to expect applicants to have medically-related experience. Exposure to the clinical aspect of medicine and patient care delivery helps to round out the emphasis placed on academics for pre-med students. Most students choose to get this experience through volunteer opportunities; however, a work-study position or part-time job can also give you valuable insight to the health care professions. Such experience can confirm your interest in the profession and broaden your understanding of the health care field. It can also help you better understand the wide diversity in a patient population and offer you greater cultural awareness. Positions in a health care setting need not be in a highly skilled area, but exposure to patients and medical professionals is important.

We strongly encourage all students to keep a journal once they begin working/volunteering in a health care setting. The journal will help students to realistically assess their commitment to a medical career and to remember experiences and reactions to events. This documentation will become invaluable during the application process when students are asked to write personal statements about their desire to enter the medical profession. [Additionally, students who wish to apply to many non-MD/DO programs (e.g. DVM, PT, PA, etc.) need to provide evidence that they have had a certain minimum number of hours of medical work/volunteer experience. A journal can help you keep track of those hours.] Below are some guidelines to help you begin a medical experience journal.

- Keep a log of your clinical experience, noting the name of the organization, the dates and hours worked, and the duties you performed.
- Did the experience give you the opportunity to work with a diverse population?
- Was there a physician or other health care professional who embodied what you would characterize as ideal attributes for their position? What were these attributes?
- What was your reaction to interacting with sick, injured, or incapacitated individuals?
- Did the experience confirm your desire to be a physician? Why or why not?

Opportunities for medically-related experience are available through various sources. Many students volunteer at a hospital that has patient care units in a wide range of specialties; however hospitals are not the only sites that offer pre-health students an opportunity to gain valuable experience. Nursing homes, hospice centers, home health care agencies, and community clinics are often eager for student volunteers. For guidance in locating positions, try the Career Center, the Yellow Pages, community websites, and campus volunteer organizations such as the Office of Community Service Learning.

Further information can be found at: <http://www.lsa.umich.edu/lsa/students/advising/preprof/prehealth/>