The Profession
Medicine is the science and art of diagnosing, treating, curing and preventing disease. Physicians practice in many medical specialties using a full range of health-care techniques aimed at preserving and improving health. A career as a physician is challenging, demanding, and highly stimulating. It requires emotional maturity, commitment, motivation, and responsibility on behalf of the pre-medical and medical student and necessitates a sincere desire for human service.

The Program at UW-Platteville
The pre-medicine program at UW-Platteville consists of selected courses which help to provide the student with a basic body of knowledge to meet the admissions requirements for medical schools and help ensure that students completing the program succeed in medical school.

Admission to a medical school normally follows the completion of a baccalaureate degree consisting of specific courses and the fulfillment of other requirements of the medical school which the student plans to attend. Pre-medicine is a pre-professional program, therefore, the student must also indicate an academic major. A pre-professional program is not a major but rather a statement of intent.

Medical School
The professional study in medicine requires four years beyond the undergraduate degree. This includes two years of academic study in the basic sciences and two years of training in the different clinical disciplines. The Doctor of Medicine (M.D.) degree is followed by a residency program to learn a specialty field. Based on the specialty, a residency ranges from three to seven years. After passing state board examinations and completing residency, a physician is licensed to practice clinical medicine.

High School Preparation
In preparing to enter the pre-medicine program, the high school student needs to acquire a strong science/mathematics background. In addition, a good background in communication and social skills is helpful.

Faculty and Facilities
The University of Wisconsin-Platteville provides the student with a strong liberal studies curriculum, a dedicated faculty and modern facilities to support the program. These include well-equipped chemistry, physics, and biology laboratories.

Placement
UW-Platteville has an excellent record of placing qualified students in medical schools.

Outstanding Career Opportunities
The opportunities in medicine continue to be outstanding in both rural and urban settings. Great demand continues in family practice, as well as specialty fields. More physicians are also needed for medical research, medical education, and the growing fields of public health, rehabilitation, and industrial medicine. Several reasons for high demand of physicians include population growth, public awareness of the importance of health care, and higher standards of medical care. Certainly, health care continues to be one of the fastest growing industries in the United States.

Suggested Course of Study
The requirements of the UW-Platteville pre-medicine program are designed to prepare students for the University of Wisconsin Medical School and the Medical College of Wisconsin. Other medical schools have similar admission requirements. Pre-medicine students are advised to seek information about requirements from the professional school they plan to attend.
Minimum Requirements

Academics
1) Unity of Life (1650) and Diversity of Life (1750)
2) General Chemistry I (1140) and II (1240), Organic Chemistry I (3540/3510) and General Biochemistry (4630/4610), Organic Chemistry II (3630, 3610) recommended
3) Physics I (1350) and II (1450)
4) Two semesters math (Statistics 1830 and Calculus 2640 are recommended)
5) English I (1130) and II (1230)
6) Social Sciences (Psychology, Sociology)

Nonacademic
1) Health experience
2) Research experience
3) Service
4) RUSCH (for Wisconsin residents)

For More Information
For more information write to the Pre-Medicine Advisor, Department of Biology, UW-Platteville, 1 University Plaza, Platteville WI 53818-3099, or call 608.342.1793.

For general information on the university and its programs, consult the website at www.uwplatt.edu or contact Prospective Student Services, UW-Platteville, 1 University Plaza, Platteville WI 53818-3099, or call toll-free 1.877.897.5288 or locally 608.342.1127.

The University of Wisconsin-Platteville does not discriminate on the basis of age, race, creed, color, handicap, sex, sexual orientation, developmental disability, national origin, ancestry, marital status, arrest record, or conviction record.

Suggested Course of Study

First Year
First Semester
1650  Unity of Life  5
1140  General Chemistry  4
1130  English  3
1450  Precalculus or 2640 Calculus  4-5
1000  Fitness Assessment  1

Second Semester
1750  Diversity of Life  5
1240  General Chemistry  4
1230  English  3
1130  General Psychology  3
Liberal Arts Elective  3

17-18

Second Year
First Semester
2140  Human Anatomy and Physiology I  4
3540  Organic Chemistry I  4
3510  Organic Chemistry I Lab  1
1830  Statistics  3
1030  Principles of Sociology  3
1010  Speech  2

Second Semester
2240  Human Anatomy and Physiology II  4
3630  Organic Chemistry II  3
3610  Organic Chemistry II Lab  1
3330  Genetics  3
Liberal Arts Electives  3-6

14-17

Third Year
First Semester
1350  Introductory Physics I  5
3240  Microbiology  4
2640  Cell Biology  4
Liberal Arts Elective  3
Physical Activity  1

17

Fourth Year
First Semester
1450  Introductory Physics II  5
4630  Biochemistry  3
4610  Biochemistry Lab  1
Advanced Biology  2-4
Liberal Arts Elective  3

14-16

Second Semester
Advanced Biology  6-8
Advanced Psychology  3
Liberal Arts Elective  6

15-17

In this suggested course of study, minimum requirements are supplemented with additional courses to meet graduation requirements, medical school recommendations and to prepare the student for the Medical College Admission Test (MCAT). The MCAT is typically taken in April of the third year, although it can be postponed to the August between the third and fourth years.

In this program of study, a student majoring in biology and minoring in chemistry with a pre-medicine emphasis. A pre-medicine student can actually complete any major degree program while accomplishing pre-medicine minimum requirements.

Advanced biology options include: 3040 Comparative Anatomy of Vertebrates, 3120 Animal Tissue Culture, 3140 Vertebrate Embryology, 3430 General Ecology, 3530 Biotechnology, 3620 Immunology, 3730 Evolution, 4040 Molecular Biology, 4130 Mammalian Endocrinology, 4240 Advanced Physiology, 4340 Mammalian Histology, 4410 Topics in Biology, 4440 Human Gross Anatomy, 4520 Biotechnology Seminar and 4920 Special Problems in Biology.

*Advanced chemistry is optional. The additional lecture and lab would complete the chemistry minor.