

# PRE-PROFESSIONAL PROGRAMS

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## PRE-CHIROPRACTIC

Advisor: Jeff Huebschman  
Office: 243 Gardner Hall  
Phone: 608.342.1742

Chiropractic is a natural approach to health issues that concerns itself with the integration of the body's systems and organs. The Doctor of Chiropractic specializes in the adjustment of the spine and the relationship between the spinal vertebrae and the nervous system and their relationship to health and disease without the use of drugs or surgery.

The UW-Platteville program normally requires completion of a bachelor's degree and the fulfillment of other requirements of the chiropractic school. Occasionally a student enters chiropractic school after three years of coursework.

## PRE-CYTOTECHNOLOGY

Advisor: Mark Levenstein  
Office: 240 Gardner Hall  
Phone: 608.342.1331

Cytotechnology is the study of cell structure and function. Cytotechnologists apply their special skills in microscopy and staining techniques to determine aberrations in cellular structures and provide physicians with preliminary diagnosis of diseases. While cytotechnologists are often integral members of the health care team, they can also work as health educators, laboratory managers and administrators, or researchers.

UW-Platteville has a three plus one articulations with Madison College's Biotechnology Program and the UW-Madison School of Cytotechnology and State Lab of Hygiene. Students are minimally required to complete three years of coursework at UW-Platteville for admission to these programs or other professional schools.

## PRE-DENTISTRY

Advisor: Rich Dhyanchand  
Office: 340 Gardner Hall  
Phone: 608.342.6155

Dentistry is the science or profession concerned with the teeth and associated structures of the mouth. It involves the prevention, diagnosis and treatment of disease, injury or malfunction of the teeth, gums and jaws. Dentists practice in several specialties using a full range of techniques.

The UW-Platteville program consists of selected courses that help to provide a basic body of knowledge to meet the admission requirements for schools of dentistry. Admission to a school of dentistry normally follows the fulfillment of requirements of the desired professional school in the completion of a Bachelor of Science degree in biology.

## PRE-LAW

Advisor: Travis Nelson  
Office: 138 Gardner Hall  
Phone: 608.342.1809

Pre-law is not an academic major or sequence of courses, but rather a program of activities designed to guide the undergraduate student interested in a career in law to make sound decisions and achieve success. This begins with the choice of an academic major of interest to the student and the selection of challenging courses which elicit and strengthen the student's talent. The student receives academic advisement from an advisor in his or her major field and pre-law advisement from an experienced pre-law advisor.

The advantages of the pre-law program include the following:

- Award-winning and nationally recognized mock trial and competition teams which compete in invitational, regional and national tournaments
- An active Pre-Law Society which sponsors trips to pre-law events, tours of law schools and visiting speakers
- Guidance in evaluating law-related careers
- Advice in the selection of law schools and the opportunity to talk directly to admissions personnel at pre-law forums
- Help in preparing for the Law School Admissions Test
- Law-related courses in such disciplines as political science, criminal justice and business administration, which not only challenge the student but offer a taste of legal education

## PRE-MEDICAL TECHNOLOGY

Advisor: Mark Levenstein  
Office: 240 Gardner Hall  
Phone: 608.342.1331

The field of medical technology or clinical laboratory science is the medical application of the basic sciences in laboratory medicine. Members of this profession are responsible for providing accurate, reliable laboratory tests to determine the presence, absence, extent or cause of disease. Medical technologists (clinical laboratory scientists) use sophisticated chemical procedures, complex instruments and microscopic observation to relay information to physicians for diagnosis and treatment of disease.

The UW-Platteville program requires students to complete a two to three year course of study which fulfills the requirements for admission to a professional program.

## PRE-MEDICINE

Advisor: Rich Dhyanchand  
Office: 340 Gardner Hall  
Phone: 608.342.6155

Co-Advisor: Amanda Trewin  
Office: 241 Gardner Hall  
Phone: 608.342.1527

Medical doctors prevent, diagnose, treat and cure disease in their patients. Physicians practice in many medical specialties using a full range of health-care techniques aimed at maintaining and improving health.

The UW-Platteville program consists of selected courses which help to provide a basic body of knowledge necessary to meet the admission requirements for medical schools. Admission to a medical school normally follows the completion of a bachelor's degree.

## PRE-MINISTRY

Advisor: Shane Drefcinski  
Office: 419 Warner Hall  
Phone: 608.342.1828

Professional ministry as a pastor, rabbi, youth leader, teacher or parish worker requires that a student be aware of everything that touches the lives of people and is especially sensitive to the human hunger for meaning, perspective and understanding.

The UW-Platteville program provides supportive counsel and helpful experiences (not only for those wishing to enter a professional religious vocation, but also for those not certain but interested).

Faculty will help students:

1. Plan a broad liberal arts academic program
2. Find appropriate off-campus work or study opportunities
3. Think through their professional plans and hopes

## PRE-NURSING

Advisor: Amanda Trewin  
Office: 241 Gardner Hall  
Phone: 608.342.1527

Nurses meet the physical and emotional needs of patients in a broad range of settings while providing care prescribed by a physician. There is more than one educational pathway that culminates in becoming a Registered Nurse (RN). Some students choose to earn an Associate Degree in Nursing (ASN) at a 2-year community or technical college. This degree prepares an individual for a defined technical scope of practice. Other students chose to earn a Bachelor of Science in Nursing (BS/BSN). These students are more broadly trained and therefore are able to administer nursing care across all healthcare settings. Although we do not offer a BSN at UW-Platteville, students can begin their studies with us. Students that begin college with Nursing as their goal complete prerequisite courses in two years (or less) and then transfer to a Nursing School where they study for another 2-3 years. Students that make their decision later often complete a Bachelor of Science in Biology at UW-Platteville taking care to also complete prerequisite courses. These students can then complete a BSN in an Accelerated Program at a Nursing School. The BS to BSN completion programs typically take one year of study beyond the BS.

## PRE-OCCUPATIONAL THERAPY

Advisor: Contact the Biology Department  
Office: 247 Gardner Hall  
Phone: 608.342.1793

Occupational therapy is a vital health care service that uses purposeful activity as the basis for treatment and prevention of a wide variety of physical, developmental and emotional disabilities. Occupational therapists plan programs that enable patients to practice self-care, learn personal and social behavior skills and gain more independence.

The UW-Platteville program for pre-occupational therapy students provides the necessary science background as well as an understanding of people and society necessary to gain entrance into the professional phase.

## PRE-OPTOMETRY

Advisor: Rich Dhyanchand  
Office: 340 Gardner Hall  
Phone: 608.342.6155

Optometry is the branch of health services concerned with the examination, diagnosis and treatment of conditions or impairments of the vision system. Doctors of Optometry are highly trained, state licensed practitioners who examine eyes and related structures to detect the presence of vision problems, eye diseases and other eye-related problems. Optometrists are the major providers of vision care in this country.

The UW-Platteville program consists of selected courses that help to provide a basic body of knowledge to meet the admission requirements for schools of optometry. Admission to a school of optometry normally follows the fulfillment of requirements of the desired professional school in the completion of a Bachelor of Science degree in biology.

## PRE-OSTEOPATHY

Advisor: Amanda Trewin  
Office: 241 Gardner Hall  
Phone: 608.342.1527

Osteopathic medicine is one of two medical fields fully licensed and approved for the delivery of complete medical care. Osteopathic physicians practice in all recognized medical specialties, using the full range of health-care techniques in diagnosis and treatment. The distinctive feature of osteopathic medicine is the recognition of the interrelationship between the structure and function of the body, that is, traditional emphasis on holistic medicine or treating the patient as a whole person. One of the characteristic features and added dimensions of a Doctor of Osteopathy in terms of clinical practice is the utilization of manipulative therapy.

The UW-Platteville program consists of selected courses which help to provide a basic body of knowledge to meet the admission requirements for osteopathic schools. Admission to an osteopathic school normally follows the completion of a bachelor's degree.

## PRE-PHARMACY

Advisor: Qiong (June) Li  
Office: 314 Ottensman Hall  
Phone: 608.342.1498

Pharmacy has traditionally been the branch of health services concerned with the composition of medications, dosage forms, methods of preparation, tests for the purity and potency, as well as the proper medicinal use. The pharmacist is responsible for preparing, storing and dispensing medications. As an expert on the action of medication on the body, the pharmacist is called upon by physicians and the public alike concerning the use of prescribed and over-the-counter medications.

The UW-Platteville program involves two years of study in a selected group of courses. The courses provide the necessary science background as well as an understanding of people and institutions to prepare students for pharmacy school.

## PRE-PHYSICAL THERAPY

Advisor: Contact the Biology Department  
Office: 247 Gardner Hall  
Phone: 608.342.1793

Physical therapy is a dynamic health care profession. Physical therapists are skilled in planning, organizing and directing programs for the care of individuals of all ages who have been impaired by disease or injury. The physical therapist performs tests and evaluations which help to establish treatment objectives for the patient. In addition, the physical therapist works with the patient to carry out the objectives in ways that are realistic and consistent with daily needs.

The UW-Platteville program for pre-physical therapy students provides the necessary science background as well as an understanding of people and society to help students qualify for the professional program.

## **PRE-PHYSICIAN'S ASSISTANT**

Advisor: Rich Dhyanchand  
Office: 340 Gardner Hall  
Phone: 608.342.6155

A physician assistant is a health care professional who functions as an extension of a physician and provides a wide range of medical services. Under the supervision of licensed physicians, physician assistants interview patients and record health histories, conduct physical examinations, order and interpret diagnostic tests, establish treatment plans and educate patients in preventive medicine and health maintenance.

The UW-Platteville program is usually a four-year course of study resulting in a bachelor's degree and the fulfillment of additional physician assistant professional school requirements.

## **PRE-PODIATRY**

Advisor: Amanda Trewin  
Office: 241 Gardner Hall  
Phone: 608.342.1527

Podiatry is the area of medicine concerned with the prevention, diagnosis and treatment of diseases and disorders affecting the human foot and ankle. The UW-Platteville program is designed to meet admission requirements for entrance into a School of Podiatric Medicine. Most students are admitted to a podiatry school after completion of a bachelor's degree although only 90 credits are required. The Doctor of Podiatric Medicine (DPM) will take another 4-years of school. This is followed by a 3-year Podiatric Medical and Surgical Residency (PMSR).

## **PRE-VETERINARY MEDICINE**

Advisor: Krista Hardyman  
Office: 315 Pioneer Tower  
Phone: 608.342.7235

Veterinary medicine applies modern medical science to the care of animals. The study of veterinary medicine is concerned with gaining a thorough knowledge of the fundamental biological and physical sciences relating to animal functions. In the clinical years, students correlate and apply this knowledge to the many areas of professional service.

The pre-veterinary medicine program at UW-Platteville, through the School of Agriculture and Biology Department, consists of selected courses specified by veterinary colleges that prepare students for admission into a four-year program which culminates in the awarding of a doctorate in veterinary medicine. (Note: This program is administered by the School of Agriculture.)