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Professional Schools

College of Pharmacy, Duluth

Senior Associate Dean: Randall Seifert
232 Life Science, 218-726-6000

Mission
The College of Pharmacy inspires and educates pharmacists and scientists, and engages in research and practice to improve the health of the people of Minnesota and society.

Overview
The College of Pharmacy at the University of Minnesota is one of the outstanding pharmacy education and research institutions in the world. U.S. News & World Report ranks it as the third best college of pharmacy in the United States. Graduates of the four-year doctor of pharmacy (Pharm.D.) program enter the profession as well-qualified, highly sought-after pharmacists.

The Twin Cities campus of the college is housed in the Academic Health Center on the Minneapolis campus. The Duluth campus is housed in the Life Science Building, which was renovated in 2007 for the college and is adjacent to the Medical School, Duluth. Both campuses are designed for health education, research, and practice.

Pharmacy students have access to modern classrooms, laboratories, and more than 350,000 volumes of pharmacy resource materials. In addition, students have unique opportunities to experience rural/small town and urban pharmacy practice, interprofessional activities, and outreach to the community.

The college is fully accredited by the Accreditation Council for Pharmacy Education, 20 N. Clark Street, Suite 2500, Chicago, IL 60602; 312-664-3575.

Pharm.D. Admission Requirements
Candidates must have a PharmCAS GPA of at least 3.00 or a GPA of 3.20 over the last 60 semester credits to qualify for admission. The required pre-pharmacy courses may be taken at any regionally accredited U.S. college. While the pre-pharmacy courses alone are sufficient to prepare a student for the Pharm.D. curriculum, most applicants admitted to the College of Pharmacy obtain a bachelor’s degree before entering the Pharm.D. program. Pre-pharmacy courses must be taken A-F and completed with a grade of at least C- before enrollment.

Pharm.D. Curriculum
The professional program’s graduates are prepared to enter pharmacy practice, advanced professional training programs, graduate education, and research. The program covers the chemical, biological, physical, social, and clinical sciences that underlie pharmacy. A common patient-care process is used to teach students how to meet drug-related needs at a patient-specific level. Students develop skills in problem solving, communication, and analytical thinking. The program emphasizes professional ethics, social responsibility, professional citizenship, and commitment to lifelong learning.
The first three years of the curriculum provide the fundamental components of pharmacy education needed to practice in a variety of settings. Beginning in the second year, students can take elective courses in specific areas of interest to round out their required courses. Students may focus on research or on leadership.

The curriculum is subject to change.

For detailed information on pre-pharmacy course requirements, application, admissions criteria, and the curriculum, please see the College of Pharmacy Catalog or visit the college’s website at www.pharmacy.umn.edu /pharmd.

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**Medical School, Duluth**

**Regional Campus Dean:**
Gary L. Davis, Ph.D.
117 Medical School, 218-726-7572

**Associate Dean for Medical Education and Curriculum:**
Richard G. Hoffman, Ph.D.
111 Medical School, 218-726-7581

**Associate Dean for Admissions and Student Affairs:**
Lillian A. Repesh, Ph.D.
173 Medical School, 218-726-8872

**Associate Dean for Faculty Development and Research:**
George J. Trachte, Ph.D.
178 Medical School, 218-726-8975

**Assistant Dean for Rural Health and Associate Director, Rural Physician Associate Program:**
Raymond G. Christensen, M.D.
131 Medical School, 218-726-7897

**Director, Duluth Medical Research Institute:**
Mustafa N. al’Absi, Ph.D.
235 Medical School, 218-726-8332

**Director, Alumni Relations and Family Medicine Preceptorship Program and Director, Center for Rural Mental Health Studies:**
James G. Boulger, Ph.D.
235 Medical School, 218-726-8895

**Director, Center of American Indian and Minority Health:**
Joycelyn Dorscher, M.D.
185 Medical School, 218-726-7235

**Co-Director, Center for Cell and Molecular Biology:**
Lester R. Drewes, Ph.D.
251 Medical School, 218-726-7925

**Director, Animal Services:**
Lorentz E. Wittmers Jr., M.D., Ph.D.
35 Medical School, 218-726-7931

**Director, Medical Advancement:**
Michelle Juntunen
35 Medical School, 218-726-6876

**Director, Women’s Mentoring Program:**
Jean F. Regal, Ph.D.,
313 Medical School, 218-726-8950

**Director, Toxicology Graduate Program:**
Kendall B. Wallace, Ph.D.
255 Medical School, 218-726-8895

**Sr. Administrative Director, Budget/Finance/Human Resources:**
Laurie J. Dromeshauer
115 Medical School, 218-726-7573
Professional Schools

Overview

The Medical School Duluth offers the first two years of the four-year medical school curriculum. It covers basic medical and clinical science studies with principal emphasis on the training of family physicians. Students who successfully complete the program in Duluth will automatically transfer on a noncompetitive basis to complete the last two years of their doctor of medicine requirements at the University of Minnesota Medical School in Minneapolis.

The specific goals of the Medical School Duluth are to:

• increase the proportion of well-trained physicians who will enter family practice primary care;
• increase the number of physicians who will most likely enter practice in rural and Native American communities;
• provide excellent academic training for medical, graduate, and undergraduate students in the basic and clinical sciences; and
• conduct and promote research programs for the advancement of knowledge in the health sciences and for service to the state.

To achieve these goals, many family practitioners, as well as other primary care physicians, are used as instructors and preceptors throughout the two years of study. These role models illustrate, through both their instruction and example, the delivery of general and family medical care in urban, small community, and rural settings. The preceptorship program in family medicine is specifically designed to meet these goals and to augment the supply of family physicians in Minnesota.

Coursework taught by the Medical School Duluth faculty at the undergraduate and graduate levels is listed by department in the Course Descriptions section of this catalog.

For information on the school’s policies, admission procedures, and course offerings for medical students, consult the Medical School website: http://www.med.umn.edu/duluth-internal-resources/index.htm

Departments

Anatomy, Microbiology, and Pathology

Professors: Arlen R. Severson, Patrick C.J. Ward (head), Richard J. Ziegler; Associate Professors: Stephen W. Downing, Donna J. Forbes, Jon M. Holy, Lillian A. Repesh; Teaching Assistant Professor: Kristine Krafts; Senior Research Associate: Richard L. Leino

Behavioral Sciences

Professors: Mustafa N. al’Absi, James G. Boulger (head), Richard M. Eisenberg; Associate Professors: Gary L. Davis, Richard G. Hoffman, Jane Hovland

Biochemistry and Molecular Biology

Professors: Lester R. Drewes (head), Joseph R. Prohaska, Jean F. Regal, Kendall B. Wallace; Associate Professors: Robert T. Cormier, Andrew J. Skildum; Research Assistant Professor: Patricia Scott

Family Medicine

Professor: Barbara A. Elliot; Associate Professors: Raymond G. Christensen, Alan Johns; Assistant Professors: Jeff Adams, Joycelyn Dorscher; Adjunct Assistant Professor: Susan Z. Nordin; Adjunct Instructor: Jennifer L. Pearson; Duluth Family Practice Residency Program Director: Roger Waage; Assistant Directors: Kim Kruger, Megan Mahoney, Heather Pett-Taylor, Terri Radovich

Physiology and Pharmacology

Professors: B. Goran Hellekant, Lois J. Heller, George J. Trachte; Associate Professors: Benjamin L. Clarke, Lorentz, Janet L. Fitzakerley, Edward K. Stauffer, E. Wittmers Jr. (head); Assistant Professors: Jeffrey S. Gilbert, Teresa Rose-Hellekant