

Cambridge Campus
 Advising Office
 300 Spirit River Drive S.
 Cambridge, MN 55008
 763-433-1840

Coon Rapids Campus
 Advising Office
 11200 Mississippi Blvd. NW
 Coon Rapids, MN 55433
 763-433-1240



**Transfer Guide for
 PRE-PHARMACY**

Pharmacy College Contacts:

U of M Twin Cities: Office of Student Services College of Pharmacy 3-160 Weaver-Densford Hall 308 Harvard Street S.E. Minneapolis, MN 55455 612-624-9490 pharmacy@umn.edu www.pharmacy.umn.edu	U of M Duluth: University of Minnesota College of Pharmacy, Duluth 232 Life Science 1110 Kirby Drive Duluth, MN 55812 218-726-6085 copd@d.umn.edu www.pharmacy.umn.edu/duluth	NDSU: College of Pharmacy, Nursing & Allied Health Science Sudro Hall, Room 123 Dept. 2650 P.O. Box 6050 701-231-7456 ndsuhpharmacy@ndsuh.edu www.ndsu.edu/pharmacy
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U of M COLLEGE OF PHARMACY (Twin Cities & Duluth)
(updated 11/27/2010)

Pre-Pharmacy Course Requirements	Approved Anoka-Ramsey Courses	Other Miscellaneous Information
General Biology with lab (1 course)	BIOL 1106	
Microbiology with lab (1 course)	BIOL 2201	
Advanced Biology (1 course)	SEE NOTE →	Recommended courses: biochemistry, cell biology, genetics, or molecular biology. Any other advanced biology course must focus on the human body to be considered.
Human Anatomy (1 course) *	BIOL 2113 & 2114	
Human Physiology (1 course) *	BIOL 2113 & 2114	
Calculus (1 course)	MATH 1400	
Statistics (1 course)	MATH 1110	Another acceptable course: MATH 2230
General Chemistry with labs <i>Sufficient to qualify for organic chemistry</i>	CHEM 1061 & 1062	
Organic Chemistry with labs (2 courses)	CHEM 2061 & 2062	
Physics (1 course, calculus-based)	PHYS 1327	
Social & Behavioral Sciences (2 courses)	SEE NOTE →	Recommended courses: psychology, sociology, economics, human development, epidemiology, global issues, education, and anthropology
English Composition (1 advanced courses) **	ENGL 2261	Another acceptable course: ENGL 2241
Ethics or Philosophy (1 course)	SEE NOTE →	A course with ethics, philosophy, or moral reasoning in the title or course

		description
Public Speaking or Interpersonal Communication (1 course)	SPCH 2215	Another acceptable course: SPCH 1110 or SPCH 2220

**If completing a combined sequence, both semesters must be taken to fulfill both Human Anatomy and Physiology, or the combined one-semester course must be a minimum of 5 semester credits, unless pre-approved by the College of Pharmacy.*

***If completing a bachelor's degree and your school has an advanced writing requirement to graduate, this prerequisite may be waived.*

Pre-pharmacy courses must be at least three semester credits, taken A-F, and completed with a grade of C- or better before enrollment. The College of Pharmacy strongly advises applicants not to take courses with labs instructed via distance learning or on the web. Applicants must have an overall GPA of 3.0 (or 3.2 over the most recent 60 semester credits) to qualify for admission. If a course has been failed or repeated, BOTH grades are used in the calculation of grade point averages. All courses taken outside of the U.S. and Canada must be submitted to an accredited transfer evaluation service for a course-by course evaluation.

Statistics: Students Admitted into the U of M College of Pharmacy for Fall 2010

Total Complete Applications: 491
 Total Interviewed: 356
 Total Offered Admission: 257
 Total Matriculants: 167
 Twin Cities: 107
 Duluth: 60
 Average GPA: 3.52
 Average PCAT: 73%

Admissions Process

Applicants to either the Duluth or Twin Cities campuses go through one application process to the University of Minnesota College of Pharmacy: first submit a PharmCAS application (www.pharmcas.org), the national pharmacy college admission system, and afterwards, submit a supplemental application available on the college's website (www.pharmacy.umn.edu/pharmd/admissions). Students are admitted for all semester only. Applications are reviewed on a rolling basis, until March 1. Once the College of Pharmacy receives your complete application, you are notified within three weeks if you are invited to interview. Applicants choose their campus at Interview Day.

Applicants who submit their application earlier will have priority in selection. More information about the timelines and requirements can be found at www.pharmacy.umn.edu/pharmd/admissions.

Steps to Apply

1. Be on track to complete prerequisite courses
2. Take PCAT exam and send scores to PharmCAS
3. Submit complete PharmCAS application by February 1
 - a. Personal statement
 - b. Official transcripts
 - c. Three letters of recommendation
 - d. Work and volunteer experience
 - e. \$150.00 + fee
4. Submit the Supplemental Application by March 1
 - a. Essays
 - b. \$75.00 fee
5. Interview at the College of Pharmacy

Application Requirements

The University of Minnesota College Of Pharmacy requires the Pharmacy College Admission Test (PCAT), but there is no minimum score to apply. All international applicants whose native language is not English must also complete the TOEFL. An exception is made for non-native-English-speaking students who completed 16 semester credits during the last 24 months while a full-time student in residence at an accredited institution of higher learning in the United States. These tests must be completed before application to the University of Minnesota College of Pharmacy. Students with international coursework that does not appear on their U.S. transcript must have their foreign coursework evaluated by ECE or WES and submitted as part of their PharmCAS application.

Steps to be a Competitive Applicant

1. Become familiar with the Pharm.D. program at the U of M by attending Preview Day and a Pharmacy Admissions Information Session, register online: www.pharmacy.umn.edu/pharmd/admissions/prepharm
2. Be on track for a bachelor's degree. After taking courses at Anoka-Ramsey, talk to your advisor about transferring to a four-year school. Choose a major that interests you. Take full course loads (about 15 credits per semester) and take higher level science courses beyond the prerequisites.
3. Get pharmacy experience! Gain work experience and volunteer experience in pharmacy and healthcare. The average admitted applicant into the Pharm.D. program has two years of pharmacy or healthcare work experience. Also, job shadow with pharmacists in many areas of the profession. Read pharmacy journals!
4. Choose the three people who will write your letters of recommendation plenty of time before you apply. Recommenders must know you in a professional or academic capacity. Examples are: college professors, work supervisors, volunteer supervisors or research supervisors. Develop a professional relationship with them and ask if they would be willing to write you a letter of recommendation when you apply.

Required Documents for Applicants

- Application form submitted to PharmCAS - the national application service (www.pharmcas.org)
- Official transcript from each college attended (submitted to PharmCAS)
- Pharmacy College Admissions Test (PCAT) score with writing subtest. When you register for the PCAT, be sure to have a score report sent to PharmCAS (code 104)
- TOEFL score (if required) submitted to PharmCAS
- Three Letters of Recommendation forms, available from and submitted to PharmCAS
- College of Pharmacy Supplemental Application form and \$75 nonrefundable application processing fee
- University of Minnesota Financial Certification Statement (required only of international applicants)

Evaluation of Applicants

- Academic achievement, including GPA, PCAT score, course selection, and course load. Bachelor's degree preferred.
- Work experience
- Three recommendations. Must be of professional/academic and not personal nature.
- Participation in community service, college extracurriculars, and activities showing leadership
- Understanding of and motivation for the profession of pharmacy
- Application essays
- On-campus interview
- Diversity factors including but not limited to: academic background, professional background, race / ethnicity, geographic diversity, first generation college student, challenging or disadvantaged background, and ability in multiple languages

PharmacyCollegeAdmissions Test (PCAT)

- You can find more information on the PCAT from this website: www.pcatweb.info.
- The PCAT is offered in January, July & September. Be sure to register for the PCAT at least two months before your desired test date.

NDSU College of Pharmacy, Nursing, and Allied Sciences
(updated 10/6/2009)

Pre-Pharmacy Course Requirements	Approved Anoka-Ramsey Courses	Other Miscellaneous Information
<u>Biology</u> General Biology (with lab) Microbiology (with lab) Anatomy & Physiology (with lab)	BIOL 1106 BIOL 2201 BIOL 2113 & 2114	
<u>Math</u> Calculus I Calculus II	MATH 1400 MATH 1401	
<u>Chemistry</u> General Chemistry I & II (with labs) Organic Chemistry (with labs)	CHEM 1061 & 1062 CHEM 2061 & 2062	
<u>Physics</u> General Physics	PHYS 1317	
<u>Behavioral Science & Social Sciences</u> 3 credits	POLS 1131, PSYC 1110, *POLS 2245, SOC 1111 and *SPCH 2220	* indicates the course also satisfies NDSU's 3 credits of Cultural Diversity
<u>Humanities & Fine Arts</u> 6credits	ART 1141, 1142; ENGL 2202, 2203, 2204, 2208, 2220, 2225, 2230, 2235; HIST 2211, 2221; HUM 1141, 1151; MUSC 1100, 1104, *1110; PHIL 1101, 1110, 1115; DELETE THIS-IT's a BEHAVIORAL *POLS 2245; THTR 2205 or 2206	* indicates the course also satisfies NDSU's 3 credits of Cultural Diversity
<u>English Composition</u> 2 courses	ENGL 1121 & 2241 or 2261	
<u>Economics</u> 3 credits	ECON 1100 or 2206	
<u>Speech Communications</u> 3 credits	SPCH 1110 or 2215	
<u>Wellness</u> 2 credits	HPER 1110, 1112 or 1120	Two credit course focused on wellness that integrates at least two of the four following areas of lifelong wellness: emotional well-being, nutrition, physical activity, and psychological development.

Admissions Process

1. **APPLICATION MATERIALS** must be submitted by January 1. The student is responsible for seeing that ALL application materials are submitted and received by January 1. Applications with materials missing will not be considered for admission. (No applications will be accepted after January 1.)
2. **APPLICATION FEE** - A **\$100.00** non-refundable fee must be sent to the College. The SUPPLEMENTAL PHARMACY APPLICATION is only available on-line.
3. If the applicant is not a current or former NDSU student, separate application must be made for admission to NDSU through the University Admissions Office.

4. Official transcripts from **all** universities and colleges attended must be sent to the University Admissions Office and to the College of Pharmacy. The transcripts must contain the fall semester grades. ***Students must show transcript evidence that all required coursework (courses listed by name and number) will be completed by the end of spring term.*** The applicant must also supply official transcripts of spring term. It is the **responsibility of the applicant** to determine that all transcripts and other application materials (supplemental applications and completed PCAT scores) are submitted and updated if incomplete transcripts are initially submitted.
5. The Pharmacy College Admission Test (PCAT) is required. Completed scores **must be sent** to the Chair of the College of Pharmacy Admissions Committee. For information on the PCAT, contact us at 701-231-7601. **The College requires that students take either the June, August or October PCAT.** We will accept PCAT scores from exams taken prior to 2009 provided the results are not more than three years old (2006). ***REMOVE THE FOLLOWING STATEMENT FROM THIS DOCUMENT-Students may retake the PCAT in January.***
6. All courses must be completed with at least a grade of "C." **ALL REQUIRED WORK** (courses listed by name and number) must be completed by the end of spring term. A cumulative grade point average of 3.0 (4.0=A) or above is required before an applicant will be evaluated for admission to the Professional Entry Level Pharm.D. Program. Actual admission "cut off" is generally much higher.
7. An interview on campus is part of the evaluation process for students who receive final consideration for admission.

OTHER PHARMACY PROGRAM OPTIONS

Creighton University, Drake University, South Dakota State University and University of Wisconsin Madison also offer Doctor of Pharmacy Degree Programs. If you would like information about either of these programs please use the contact information listed below.

DRAKE UNIVERSITY	CREIGHTON UNIVERSITY
College of Pharmacy and Health Sciences	School of Pharmacy and Health Professions Admission Office
2507 University Avenue	2500 California Plaza
Des Moines, IA 50311	Omaha, NE 68178
1-800-44-DRAKE	1-800-325-2830
www.drake.edu/cphs/	phaadmis@creighton.edu
	spahp.creighton.edu

SOUTH DAKOTA STATE UNIVERSITY	UNIVERSITY OF WISCONSIN MADISON
College of Pharmacy	School of Pharmacy
Box 2202C, SDSU	777 Highland Avenue
Brookings, SD 57007-0099	Madison, WI 53705-2222
605-688-6197	www.pharmacy.wisc.edu/index.cfm
www.sdstate.edu/	

NOTE: This information should be used with the catalog of the intended transfer college, not in place of it. Changes in requirements occur periodically, so check with both the transfer college and the Anoka-Ramsey Counseling Center at least once a year for updated information.