

# Liberal Arts (Pharmacy Transfer)

## **Degree Type**

Associate in Science

## **Contact Information**

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## **Delivery Methods**

Face-to-Face: Wahpeton  
Online: Some Classes  
Combination

Today's pharmacist is the most accessible health care professional, with the average American visiting a retail drug store every 13 days. The retail pharmacist is in a position to assist patients with a wide range of health issues regarding medications, disease states, treatments, preventive measures, and healthy lifestyles. Surveys show that people rely on their community pharmacists for health care information and admire them for it (pharmacists have been the most widely respected professionals in national surveys for several years). Hospital/institutional pharmacists interact with physicians and other professionals regarding patients' medication regimens and treatment plans, providing advice on drug usage, interactions, side effects, and patient education. These clinical pharmacists strive for rational, effective, economical drug choice and usage in their institutions.

Students entering the Pharmacy transfer curriculum plan, who do not have the proper prerequisites, may need additional preparatory classes.

The Pharmacy transfer curriculum plan provides preparation for the four-year professional curriculum and meets the Liberal Arts Program Purposes listed in the NDSCS Catalog.

The successful pharmacy student has good communication skills, is highly motivated, possesses scholastic ability and has an aptitude for the biological, physical and medical sciences.

## **Admission Requirements**

The applicants must be high school graduates or equivalent. Helpful courses to prepare for this program are biology, computer science, chemistry, zoology, mathematics, physics, and English. Courses that develop reading and communications skills and two years of a foreign language, if available, also are recommended. Applicants may be required to complete a basic skills evaluation during the admissions process.

## **Award**

Upon successful completion of the required courses, students will be awarded an Associate in Science degree in Liberal Arts.

## Required Courses

Course Code	Title	Credits
BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 220	Anatomy & Physiology I	3
BIOL 220L	Anatomy & Physiology I Lab	1
BIOL 221	Anatomy & Physiology II	3
BIOL 221L	Anatomy & Physiology II Lab	1
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry I Laboratory	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry II Laboratory	1
CHEM 241	Organic Chemistry I	4
CHEM 241L	Organic Chemistry I Laboratory	1
CHEM 242	Organic Chemistry II	4
CHEM 242L	Organic Chemistry II Laboratory	1
COMM 110	Fundamentals of Public Speaking	3
ECON 201	Principles of Microeconomics	3
ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
FYE 101	Science of Success	1
MATH 165	Calculus I	4
MATH 210	Elementary Statistics	3
PHYS 211	College Physics I	3
	Computer Information System Elective (2 credits)	2
	Humanities/History Electives (6 credits)	6
	Social and Behavioral Science Electives (5 credits)	5
	Wellness Elective(s) (2 credits)	2
This curriculum does not fully meet all the educational requirements for the North Dakota State University College of Pharmacy. Additional courses required at NDSU include microbiology, communications, and biochemistry. Students applying for other colleges of pharmacy will need to check for current entrance requirements.		
This curriculum meets the North Dakota University System general education requirements as indicated in the NDSCS Catalog under the heading: NDUS General Education Transfer Agreement.		
<b>Total Required Credits</b>		<b>70</b>