

Liberal Arts (Biotechnology Transfer)

Degree Type

Associate in Science

Contact Information

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Delivery Methods

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

The biotechnician has a diversified education in biology, chemistry, and physics. While a few entry-level jobs are available to biotechnicians with an A.S. or B.S. degree, most often the undergraduate Biotechnology curriculum is used as a stepping-stone to a M.D., M.S., or Ph.D. degree. A biotechnician with an A.S. or B.S. degree generally performs routine tasks and analytical procedures under the supervision of the research scientist.

Students choosing this plan should consult with the Mathematics and Science Department in selecting their courses since future plans of study at a four-year college may have specific requirements. In addition, a student should contact the college or university of their choice to confirm a list of recommended courses.

Students entering Biotechnology who do not have the proper prerequisites may need additional preparatory classes.

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

In addition to the Biotechnology transfer curriculum plan, other programs a student may transfer into are biology, microbiology, chemistry, biochemistry, environmental science, wildlife biology, agriculture, natural science, and conservation.

Admission Requirements

The applicants must be high school graduates or equivalent. Helpful courses to prepare for this program are biology, computer science, chemistry, mathematics, physics and English. Courses that develop reading and communications skills are also 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
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
ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
FYE 101	Science of Success	1
MATH 165	Calculus I	4
MICR 202	Introductory Microbiology	3
MICR 202L	Introductory Microbiology Lab	1
PHYS 211	College Physics I	3
PHYS 211L	College Physics I Lab	1
PHYS 212	College Physics II	3
PHYS 212L	College Physics II Lab	1
	Computer Information System Elective (2 credits)	2
	Humanities/History Electives (6 credits)	6
	Social and Behavioral Science Electives (8 credits)	8
	Wellness Elective(s) (2 credits)	2
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.		
Total Required Credits		68