Biotechnology Transfer

Contact Information
Dr. Bill Shay, associate professor
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701-671-2341
Haverty Hall 228

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.

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Course Code | Course 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       |
Any course marked ND:COMPSC | |
Humanities/History Electives | 6       |
From two different prefixes within the categories marked ND:HUM or ND:HIST | |
Social and Behavioral Science Electives | 8       |
From two or more prefixes within the category marked ND:SS | |
Wellness Elective(s) | 2       |

Total Required Credits: 68

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.