Clinical Laboratory Science Transfer

Clinical laboratory scientists are laboratory professionals who apply scientific skills and knowledge to a variety of complex diagnostic and therapeutic procedures. Clinical Laboratory Science has increased in scope and importance in recent years. Although they are trained in all areas of laboratory work, they often specialize in an area such as blood banking, hematology, microbiology, urinalysis or nuclear medicine technology.

Preparation for a career in Clinical Laboratory Science involves three years of academic study in an undergraduate program and one year of clinical study in a professional program. Academic work will include chemistry, organic chemistry, biology, microbiology, zoology, English, physics, anatomy/physiology, statistics, psychology, social sciences, speech, mathematics, and humanities.

Students entering the Clinical Laboratory Science transfer curriculum plan who do not have the proper prerequisites may need additional preparatory classes. The Mathematics and Science Department highly recommends the completion of sequential series of courses.

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

In addition to this 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, zoology, mathematics, physics and English. Courses that develop reading and communications skills 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.

### Course Code | Course Title | Credits
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BIOL 150 | General Biology I | 3
BIOL 150L | General Biology I Lab | 1
BIOL 151 | General Biology II | 3
BIOL 151L | General Biology 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
ENGL 110 | College Composition I | 3
ENGL 120 | College Composition II | 3
FYE 101 | Science of Success | 1
MATH 103 | College Algebra | 3
MATH 105 | Trigonometry | 2
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 Systems Elective
From any course marked ND:COMPSC
Humans/History Electives
From two different prefixes within the categories marked ND:HUM or ND:HIST
Social and Behavioral Sciences Electives
From two or more prefixes within the category marked ND:SS
Wellness Elective(s)

Total Required Credits 69

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.

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