Engineering Transfer

Contact Information

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Delivery Methods

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

Engineers are innovators who take a fresh look at science and technology in order to apply old knowledge to finding solutions to new problems. Fields in engineering are expanding rapidly to meet the needs of society and advances in sciences.

An engineering schedule is difficult due to the number of classes taken within a semester and to the problem-oriented nature of the course work. It is estimated that for an incoming freshman class at a major university, only one-fourth of those students will receive a degree in engineering. Anyone who feels intimidated by a large school definitely should consider NDSCS to start their studies. Successful completion of the curriculum will allow the student to transfer to a four-year engineering program.

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

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

In addition to engineering, other programs that a student may transfer into are chemistry, physics, astronomy, geology, and mathematics.

Course Code	Course Title	Credits
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
COMM 110	Fundamentals of Public Speaking	3
ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
*ENGR 212	Fundamentals of Visual Communications	3
FYE 101	Science of Success	1
**MATH 165	Calculus I	4
MATH 166	Calculus II	4
MATH 265	Calculus III	4
MATH 266	Introduction to Differential Equations	3
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1
Computer Information Systems Elective *Any course marked ND:COMPSC*		2
Humanities/History Electives *From two different prefixes within the categories marked ND:HUM or ND:HIST* Recommended: PHIL 215	Contemporary Moral Issues (3)	6
Social and Behavioral Science Electives *From two or more prefixes within the category marked ND:SS* Recommended: ECON 201 or 202	Principles of Microeconomics/Macroeconomics (3)	8
Wellness Elective		2
Total Required Credits		**66**

Engineering courses are offered by collaboration with University of North Dakota (UND) – Statics, Dynamics and Introduction to Engineering.

*MATH 227 Applied Linear Algebra (3 credits) is recommended by both UND and NDSU as a course suited for students entering their Engineering Department.

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.

*Offered even years.

**What mathematic route a student takes will depend on their ACT or Accuplacer math score.

Admission Requirements
The applicants must be high school graduates or equivalent. 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.

Revised: May 2022