

**MINNESOTA NORTH COLLEGE**  
**PROGRAM PLANNER 2022-23**  
**Associate of Science (AS) Degree**  
**Chemistry Transfer Pathway**  
**60 Credits**

**Required Content Area Courses (35 credits)**

CHEM 1521	General Chemistry 1, 4 cr.
CHEM 1522	General Chemistry 2, 4 cr.
CHEM 2311	Organic Chemistry 1, 5 cr.
CHEM 2312	Organic Chemistry 2, 5 cr.
MATH 1311	Calculus 1, 5 cr.
MATH 1312	Calculus 2, 4 cr.
PHYS 2261	General Physics 1, 4 cr.
PHYS 2262	General Physics 2, 4 cr.

**Required MnTC Core Courses (19 credits minimum)**

**Goal 1            Communication (10 credits required)**

COMM course, 3 cr.

ENGL 1231    College Composition 1, 4 cr.

*One of the following:*

ENGL 1232    College Composition 2, 3 cr.

ENGL 1240    Technical Report Writing, 3 cr.

**Goal 3            Natural Sciences (Fulfilled by Required Content Area Courses)**

**Goal 4            Mathematics/Logical Reasoning (Fulfilled by Required Content Area Courses)**

**Goal 5            History and the Social and Behavioral Sciences (3 credits required)**

**Goal 6            The Humanities and the Fine Arts (3 credits required)**

**Goals 7-10      (3 credits required)**

**Electives**

Select any courses numbered 1000 or above to total 60 credits for the Associate of Science Degree.

**Graduation Requirements**

- Complete all required content area courses.
- 2.0 minimum GPA required for both the MnTC and AS degree.
- Transfer courses with grades of A-D will be included in the GPA calculation for MnTC.

## Program Description

The Chemistry Transfer Pathway AS offers students a powerful option: the opportunity to complete an Associate of Science degree with course credits that directly transfer to designated Chemistry bachelor's degree programs at Minnesota State universities. The curriculum has been specifically designed so that students completing this pathway degree and transferring to one of the seven Minnesota State universities enter the university with junior-year status. All courses in the Transfer Pathway associate degree will directly transfer and apply to the designated bachelor's degree programs in a related field.

Universities within the Minnesota State system include Bemidji State University; Metropolitan State University; Minnesota State University, Mankato; Minnesota State University Moorhead; Southwest Minnesota State University; St. Cloud State University; and Winona State University.



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