

# Chemistry

## AWARDS

Chemistry Transfer Pathway A.S. Degree . . . . . 60 cr

## CHEMISTRY TRANSFER PATHWAY A.S., 60 CREDITS

Chemistry Curriculum . . . . . 40 cr

General Education Curriculum . . . . . 20 cr

## PURPOSE

The Chemistry Transfer Pathway A.S. offers students a powerful option: the opportunity to complete an Associate of Science degree whose course credits will directly transfer to designated Chemistry bachelor's degree programs at Minnesota State universities. The entire curriculum has been carefully designed to guarantee junior-year status to students who have been admitted to one of the seven Minnesota State universities.\* There, students can complete their bachelor's degree by earning 60 additional credits.

\*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.

## TRANSFER PATHWAYS

With this transfer pathway, you will be able to transfer to the following majors at:

Bemidji State University  
Chemistry – BS, BA

Metropolitan State University  
Chemistry – BS

Minnesota State University, Mankato  
Chemistry – BS, ACS-approved

Minnesota State University, Moorhead  
Chemistry – BS, BA

Southwest Minnesota State University  
Chemistry – BA

St. Cloud State University  
Chemistry – BS, ACS-approved

Winona State University  
Chemistry – BS  
ACS Environmental Chemistry – BS  
ACS Materials Chemistry – BS

## Chemistry Transfer Pathway Curriculum 40 credits

- CHEM 1061 Principles of Chemistry I . . . . . 5
- CHEM 1062 Principles of Chemistry II . . . . . 5
- CHEM 2061 Organic Chemistry I . . . . . 5
- CHEM 2062 Organic Chemistry II . . . . . 5
- MATH 1133 Calculus I . . . . . 5
- MATH 1134 Calculus II . . . . . 5
- PHYS 1081 Calculus-Based Physics I . . . . . 5
- PHYS 1082 Calculus-Based Physics II . . . . . 5

## General Education Curriculum 20 credits

- ENG 1108 Writing and Research Skills . . . . . 4
- ENG 1111 Research Writing OR  
ENG 1114 The Research Paper OR  
ENG 1130 Writing & Research for the Professions . . . . . 2-3
- COMM 1100 Interpersonal Communication OR  
COMM 1110 Public Speaking OR  
COMM 2230 Small Group Communication . . . . . 3
- MnTC Goal 5 course . . . . . 3
- MnTC Goal 6 course . . . . . 3
- General electives (MnTC courses only) . . . . . 4-5

## TOTAL CREDITS 60

Specific degree requirements will vary by institution. Students should contact the receiving institution for specific upper division course requirements. General education courses should be selected carefully as double counting may be necessary, and to comply with upper division credit requirements.

## FULL-TIME RECOMMENDED COURSE OF STUDY

Note: Not all courses will be available every semester. For a complete list of Minnesota Transfer Curriculum (MnTC) Goal Area course choices, please visit: [inverhills.edu/MnTC](http://inverhills.edu/MnTC)

### Semester 1 14 credits

CHEM 1061 Principles of Chemistry I* (Goal 2,3b) . . . . .	5
MATH 1133 Calculus I* (Goal 4) . . . . .	5
ENG 1108 Writing and Research Skills (Goal 1, 2) . . . . .	4

### Semester 2 16 credits

CHEM 1062 Principles of Chemistry II * (Goal 2, 3b) . . . . .	5
MATH 1134 Calculus II (Goal 4) . . . . .	5
COMM 1100 Interpersonal Communication (Goal 1, 7) OR	
COMM 1110 Public Speaking (Goal 1, 2) OR	
COMM 2230 Small Group Communication (Goal 1, 2) . . . . .	3
MnTC Goal 6 course . . . . .	3

### Semester 3 15-16 credits

CHEM2061 Organic Chemistry I* . . . . .	5
PHYS 1081 Calculus-Based Physics I* (Goal 2, 3b) . . . . .	5
MnTC Goal 5 course . . . . .	3
ENG 1111 Research Writing OR	
ENG 1114 The Research Paper OR	
ENG 1130 Writing & Research for the Professions . . . . .	2-3

### Semester 4 14-15 credits

CHEM 2062 Organic Chemistry II* . . . . .	5
PHYS 1082 Calculus-Based Physics II* (Goal 2, 3b) . . . . .	5
General electives (recommend Goals 5-10) . . . . .	4-5

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**TOTAL CREDITS 60**

\* Course required for major



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