**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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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| Semester 1 | 14 | 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 | 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 | 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 | CHEM 2062  Organic Chemistry II* .........................5  
PHYS 1082  Calculus-Based Physics II* (Goal 2, 3b) ..........5  
General electives (recommend Goals 5-10) .................4-5 |

TOTAL CREDITS 60

* Course required for major