

Chemistry

AWARDS

Chemistry Transfer Pathway A.S. Degree 60 cr

CHEMISTRY TRANSFER PATHWAY A.S., 60 CREDITS

Chemistry Curriculum40 cr

Liberal Arts Curriculum20 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 designated baccalaureate degree 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

Liberal Arts **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 elective 3
- MnTC Goal 6 elective 3
- Liberal Arts 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.

RECOMMENDED FULL-TIME 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

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 elective	3

Semester 3 15-16 credits

CHEM2061 Organic Chemistry I*	5
PHYS 1081 Calculus-Based Physics I* (Goal 2, 3b)	5
MnTC Goal 5 elective.	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
Liberal Arts electives (recommend Goals 5-10)	4-5

TOTAL CREDITS 60

* Course required for major



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