Chemistry

AWARDS

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

CHEMISTRY TRANSFER PATHWAY
A.S., 60 CREDITS

Chemistry Curriculum .....40 cr

Liberal Arts 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 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**

- ☐ CHEM1061 Principles of Chemistry I 5
- ☐ CHEM1062 Principles of Chemistry II 5
- ☐ CHEM2061 Organic Chemistry I 5
- ☐ CHEM2062 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 in the Disciplines ***OR***
  ENG 1114 The Research Paper ***OR***
  ENG 1130 Writing & Research for the Professions 2-3
- ☐ COMM1100 Interpersonal Communication ***OR***
  COMM1110 Public Speaking ***OR***
  COMM2230 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**
CHEM1061 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**
CHEM1062 Principles of Chemistry II * *(Goal 2, 3b)*	5
MATH 1134 Calculus II *(Goal 4)*	5
COMM1100 Interpersonal Communication *(Goal 1, 7)* ***OR*** COMM1110 Public Speaking *(Goal 1, 2)* ***OR*** COMM2230 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 in the Disciplines ***OR*** ENG 1114 The Research Paper ***OR*** ENG 1130 Writing & Research for the Professions	2-3

Semester 4	**14-15 credits**
CHEM2062 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*