Chemistry

AWARDS

CHEMISTRY TRANSFER PATHWAY DEGREE A.S. . . . .60 cr

A.S., CHEMISTRY TRANSFER PATHWAY DEGREE

(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, ACS-approved

At Metropolitan State University
Chemistry – BS

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

At Minnesota State University, Moorhead
Chemistry – BS, ACS-approved

At Southwest Minnesota State University
Chemistry – BA

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

At Winona State University
TBD

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 in the Disciplines 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
- ☐ History, Social Sciences & Behavioral Sciences (MnTC Goal 5) 3
- ☐ Humanities, Fine Arts & Literature (MnTC goal 6) 3
- ☐ Liberal Arts Electives (Must be MnTC courses) 4-5

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 COURSE OF STUDY FOR CHEMISTRY TRANSFER PATHWAY DEGREE A.S.

Here is the recommended course of full-time study for the Chemistry Transfer Degree A.S. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester. You will notice that in many instances you will be able to choose the specific course you will take from within a category. For a complete list of MnTC Goal Area course choices, please visit: www.inverhills.edu/MnTC

CHEMISTRY AS-TRANSFER PATHWAY SEMESTER 1 — 14 CREDITS

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

CHEMISTRY AS-TRANSFER PATHWAY SEMESTER 2 — 16 CREDITS

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

CHEMISTRY AS-TRANSFER PATHWAY SEMESTER 3 — 15-16 CREDITS

CHEM 2061	Organic Chemistry I*	5
PHYS 1081	Calculus-Based Physics I* (Goal 2, 3b)	5
History, Social Sciences & Behavioral Sciences (MnTC Goal 5)		3
ENG 1111 ENG 1114 ENG 1130	Research Writing in the Disciplines OR The Research Paper OR Writing & Research for the Professions	2-3

CHEMISTRY AS-TRANSFER PATHWAY 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*