

Biology

AWARD

Biology Transfer Pathway A.S. Degree 60 cr

CAMPUS CONTACT FOR THIS PROGRAM

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BIOLOGY TRANSFER PATHWAY

A.S., 60 CREDITS

Biology Curriculum 28 cr

Liberal Arts Curriculum 32 cr

PURPOSE

The Biology Transfer Pathway A.S. offers students a powerful option: the opportunity to complete an Associate of Science degree with course credits that directly transfer to designated Biology bachelor's degree programs at Minnesota State universities. The curriculum has been specifically designed so that students completing this pathway degree and transferring to one of the seven Minnesota State universities* enter the university with junior-year status. All courses in the Transfer Pathway associate degree will directly transfer and apply to the designated bachelor's degree programs in a related field.

*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

Biology - BA, BS

Metropolitan State University

Biology - BA

Minnesota State University, Mankato:

Biology - BS

Minnesota State University, Moorhead:

Biology - BA

Southwest Minnesota State University:

Biology - BA

St. Cloud State University:

Life Sciences - BES

Winona State University:

Biology, Allied Health - BS

Biology, Cell & Molecular - BS

Biology, Ecology - BS

Biology, Environmental Science - BS

Biology Transfer Pathway Curriculum

28 credits

- BIOL 1154 Biology: From Cell to Organism 4
- BIOL 1155 Biology: From Organism to Ecosphere 5
- BIOL 2303 Genetics ¹ 5
- BIOL 2306 General Ecology ² **OR**
BIOL 2205 Microbiology ³ 4
- CHEM1061 Principles of Chemistry I 5
- CHEM1062 Principles of Chemistry II 5

Liberal Arts

32 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**
COMM2230 Small Group Communication 3
- MnTC Goal 4 elective
(MATH1118 or higher level to fulfill at least 8 credits) 8
- MnTC Goal 5 elective 3
- MnTC Goal 6 elective 3
- Liberal Arts electives (MnTC courses only) 8-9

Recommended Elective Courses

Should be tailored to specific major track and transfer university:

GIS/Geography

Geology or Earth sciences

Higher level math courses, such as Calculus and Statistics

Anatomy and Physiology

Organic Chemistry I and II

Physics

Environmental Science

Microeconomics

TOTAL CREDITS 60

¹ BIOL 2303: Genetics is only offered in Spring Semesters, odd years

² BIOL 2306: General Ecology is only offered in Fall Semesters, even years

³ BIOL 2305: Principles of Microbiology (5 credits) will also fulfill this requirement and is strongly recommended for this major.

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 15 credits

ENG 1108 Writing & Research Skills (Goal 1, 2)	4
MATH 1118 College Algebra I (Goal 4)	4
BIOL 1154 Biology: From Cell to Organism* (Goal 2, 3a)	4
COMM1100 Interpersonal Communication (Goal 1,7) OR	
COMM1110 Public Speaking (Goal 1, 2) OR	
COMM2230 Small Group Communication	3

Semester 2 17 credits

BIOL 1155 Biology: From Organism to Ecosphere* (Goal 2, 3a)	5
CHEM1061 Princ. Chemistry I* (Goal 2, 3b)	5
MATH 1119 College Algebra II (or higher level) (Goal 4)	4
MnTC Goal 5 elective.	3

Semester 3 15 credits

BIOL 2306 General Ecology ² OR	
BIOL 2205 Microbiology ³ (Goal 2, 3a) *.	4
CHEM1062 Princ. Chemistry II* (Goal 2, 3b)	5
Liberal Arts electives (MnTC courses only)	6

Semester 4 13 credits

BIOL 2303 Genetics with lab* ¹ (Goal 2, 3a)	5
ENG 1111 Research Writing in the Disciplines OR	
ENG 1114 The Research Paper OR	
ENG 1130 Writing & Research for the Professions	2-3
MnTC Goal 6 elective	3
Liberal Arts elective (MnTC course only)	2-3

TOTAL CREDITS 60

* Course required for major

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RECOMMENDED PART-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 8 credits

BIOL 1154 Biology: From Cell to Organism* (Goal 2, 3a)	4
MATH 1118 College Algebra I (Goal 4)	4

Semester 2 9 credits

BIOL 1155 Biology: From Organism to Ecosphere* (Goal 2, 3a)	5
MATH 1119 College Algebra II (or higher level) (Goal 4)	4

Semester 3 9 credits

ENG 1108 Writing & Research Skills (Goal 1, 2)	4
CHEM1061 Princ. Chemistry I* (Goal 2, 3b)	5

Semester 4 8 credits

CHEM1062 Princ. Chemistry II* (Goal 2, 3b)	5
COMM1100 Interpersonal Communication (Goal 1,7) OR	
COMM1110 Public Speaking (Goal 1, 2) OR	
COMM2230 Small Group Communication	3

Semester 5 10 credits

BIOL 2306 General Ecology ² OR	
BIOL 2205 Microbiology ³ (Goal 2, 3a) *.	4
MnTC Goal 5 elective.	3
Liberal Arts elective (MnTC course only)	3

Semester 6 10 credits

BIOL 2303 Genetics with lab* ¹ (Goal 2, 3a)	5
ENG 1111 Research Writing in the Disciplines OR	
ENG 1114 The Research Paper OR	
ENG 1130 Writing & Research for the Professions	2-3
Liberal Arts elective (MnTC course only)	2-3

Semester 7 6 credits

MnTC Goal 6 elective	3
Liberal Arts elective (MnTC course only)	3

TOTAL CREDITS 60

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