

Biology

AWARD

BIOLOGY TRANSFER PATHWAY DEGREE, A.S.60 cr

BIOLOGY TRANSFER PATHWAY DEGREE A.S.

(60 CREDITS)

Biology Curriculum 28 cr

Liberal Arts Curriculum 32 cr

CAMPUS CONTACT FOR THIS PROGRAM

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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

At Metropolitan State University

Biology – BA

At Minnesota State University, Mankato:

Biology – BS

At Minnesota State University, Moorhead:

Biology – BA

At Southwest Minnesota State University:

Biology – BA

At St. Cloud State University:

Biomedical Science – BS

At 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 Organism4
- BIOL 1155 Biology: From Organism to Ecosphere5
- BIOL 2303 Genetics5
- BIOL 2205 Microbiology* OR
BIOL 2306 General Ecology4
- CHEM 1061 Principles of Chemistry I5
- CHEM 1062 Principles of Chemistry II5

*BIOL 2305: Principles of Microbiology (5 credits) will also fulfill this requirement.

LIBERAL ARTS 32 CREDITS

- ENG 1108 Writing and Research Skills4
- ENG 1111 Research Writing in the Disciplines OR
ENG 1114 The Research Paper OR
ENG 1130 Writing & Research for the Professions.....3
- COMM 1100 Interpersonal Communication OR
COMM 1110 Public Speaking OR
COMM 2230 Small Group Communication2-3
- Mathematical Logical/Reasoning (MnTC Goal 4)
Minimum: Math 1118 or higher level to fulfill at least 8 credits8
- History, Social Sciences & Behavioral Sciences (MnTC Goal 5)3
- Humanities, Fine Arts & Literature (MnTC goal 6)3
- Liberal Arts Electives (Must be MnTC courses)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

RECOMMENDED COURSE OF STUDY FOR BIOLOGY TRANSFER PATHWAY DEGREE A.S.

If you are studying part time, see the recommended part-time course of study. 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 Minnesota Transfer Curriculum (MnTC) Goal Area course choices, please visit: www.inverhills.edu/MnTC

BIOLOGY AS-TRANSFER PATHWAY SEMESTER 1 15 CREDITS

- ENG 1108 Writing & Research Skills (MnTC Goal 1, 2)4
- MATH 1118 College Algebra I (MnTC Goal 4)4
- BIOL 1154 Biology: From Cell to Organism* (MnTC Goal 2, 3a)4
- COMM 1100 Interpersonal Communication (MnTC Goal 1, 7) OR
COMM 1110 Public Speaking (MnTC Goal 1, 2) OR
COMM 2230 Small Group Communication3

BIOLOGY AS-TRANSFER PATHWAY SEMESTER 2 17 CREDITS

- BIOL 1155 Biology: From Organism to Ecosphere*
(MnTC Goal 2, 3a)5
- CHEM 1061 Princ. Chemistry I* (MnTC Goal 2, 3b)5
- MATH 1119 College Algebra II or higher level (MnTC Goal 4).....4
- MnTC Goal 53

BIOLOGY AS-TRANSFER PATHWAY SEMESTER 3 15 CREDITS

- BIOL 2205¹ Microbiology* OR
BOL 2306 General Ecology (MnTC Goal 2, 3a)4
- CHEM 1062 Princ. Chemistry II* (MnTC Goal 2, 3b)5
- Liberal Arts Electives (MnTC courses only)6

BIOLOGY AS-TRANSFER PATHWAY SEMESTER 4 13 CREDITS

- BIOL 2303 Genetics with lab* (MnTC GOAL 2, 3a)5
- ENG 1111 Research Writing in the Disciplines OR
ENG 1114 The Research Paper OR
ENG 1130 Writing & Research for the Professions2-3
- MnTC Goal 63
- Liberal Arts Electives (MnTC courses only)2-3

* Course required for major

¹ BIOL 2305: Principles of Microbiology (5 credits) will also fulfill this requirement.

TOTAL CREDITS60

RECOMMENDED PART-TIME COURSE OF STUDY FOR BIOLOGY TRANSFER PATHWAY DEGREE A.S.

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BIOLOGY AS-TRANSFER PATHWAY SEMESTER 1 8 CREDITS

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

BIOLOGY AS-TRANSFER PATHWAY SEMESTER 2 9 CREDITS

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

BIOLOGY AS-TRANSFER PATHWAY SEMESTER 3 9 CREDITS

ENG 1108	Writing & Research Skills (MnTC Goal 1, 2)	4
CHEM 1061	Princ. Chemistry I* (MnTC Goal 2, 3b)	5

BIOLOGY AS-TRANSFER PATHWAY SEMESTER 4 8 CREDITS

CHEM 1062	Princ. Chemistry II* (MnTC Goal 2, 3b)	5
COMM 1100	Interpersonal Communication (MnTC Goal 1, 7) OR	
COMM 1110	Public Speaking (MnTC Goal 1, 2) OR	
COMM 2230	Small Group Communication	3

BIOLOGY AS-TRANSFER PATHWAY SEMESTER 5 10 CREDITS

BIOL 2205 ¹	Microbiology* OR	
BIOL 2306	General Ecology (MnTC Goal 2, 3a)	4
MnTC Goal 5	3
Liberal Arts Electives (MnTC courses only)	3

BIOLOGY AS-TRANSFER PATHWAY SEMESTER 6 10 CREDITS

BIOL 2303	Genetics with lab* (MnTC 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 Electives (MnTC courses only)	2-3

BIOLOGY AS-TRANSFER PATHWAY SEMESTER 7 6 CREDITS

MnTC Goal 6	3
Liberal Arts Electives (MnTC courses only)	3

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TOTAL CREDITS 60

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2018-2019 CATALOG