

MINNESOTA STATE COLLEGES AND  
UNIVERSITIES\*  
ARTICULATION AGREEMENT  
BETWEEN

Minnesota North College  
AND  
Bemidji State University

\*The Board of Trustees of the Minnesota State Colleges and Universities is authorized by Minnesota Statutes, Chapter 136F to enter into Agreements and has delegated this authority to colleges and universities.

This Agreement is entered into between **Minnesota North College** (hereinafter sending institution), and **Bemidji State University** (hereinafter receiving institution). This Agreement and any amendments and supplements, shall be interpreted pursuant to the laws of the State of Minnesota.

The sending institution has established a **Biology Transfer Pathway AS** (hereinafter sending program), and the receiving institution has established a **Aquatic Biology BS (AQUATIC SYSTEMS EMPHASIS)** (hereinafter receiving program), and will facilitate credit transfer and provide a smooth transition from one related program to another. It is mutually agreed:

#### Admission and Graduation Requirements

- A. The receiving institution's admission and program admission requirements apply to both direct entry students and to students who transfer under this agreement.
- B. Students must fulfill the graduation requirements at both institutions.
- C. Students must complete the entire sending program and meet the receiving institution's admission requirements for the agreement to apply, including grade requirements for courses and an overall GPA requirement.

#### Transfer of Credits

- A. The receiving institution will accept **60** credits from the sending program. A total of **60 credits** remain to complete the receiving program.
- B. Courses will transfer as described in the attached Program Articulation Table. For system institutions, once the courses are encoded, they will transfer as described in the "Transferology" audit.

#### Implementation and Review

- A. The Chief Academic Officers or designees of the parties to this agreement will implement the terms of this agreement, including identifying and incorporating any changes into subsequent agreements, assuring compliance with system policy, procedure and guidelines, and conducting a periodic review of this agreement.
- B. This Transfer Agreement is effective on **10/13/2023** and shall remain in effect until **10/12/2028** or /for five years, whichever occurs first, unless terminated or amended by either party with 90 days prior written notice.
- C. The college and university shall work with students to resolve the transfer of courses should changes to either program occur while the agreement is in effect.
- D. This Transfer Agreement will be reviewed by both parties beginning **4/12/2028** (within six months of the end date).
- E. When a student notifies the receiving institution of their intent to follow this agreement, the receiving institution will encode course waivers and substitutions.

## PROGRAM ARTICULATION TABLE

Check if the sending program \_\_\_ or receiving program \_\_\_ is new.

	College (sending)	University (receiving)
Institution	Minnesota North College	Bemidji State University
Program name	Biology Transfer Pathway	Aquatic Biology BS (AQUATIC SYSTEMS EMPHASIS)
Award Type (e.g., AS)	AS	BS
Credit Length	60	60
CIP code (6-digit)	26.0101	261304

### Instructions

- List all required courses in both academic programs.
- MnTC goal areas transfer to the receiving institution according to the goal areas designated by the sending institution.
- Do not indicate a goal area for general education courses that are not part of the MnTC.
- For restricted or unrestricted electives, list number of credits.
- Credits applied: the receiving institution course credit amount may be more or less than the sending institution credit amount. Enter the number of credits that the receiving institution will apply toward degree completion.
- Show equivalent university-college courses on the same row to ensure accurate DARS encoding.
- Equiv/Sub/Wav column: If a course is to be encoded as equivalent, enter Equiv. If a course is to be accepted by the university as a "substitution" only for the purposes of this agreement, enter Sub. If a course requirement is waived by the receiving institution, enter Wav. If a course is to be accepted by the university as a MnTC goal area, restricted elective or unrestricted elective, leave the cell blank.

(To add rows, place cursor outside of the end of a row and press enter.)

### SECTION A - Minnesota Transfer Curriculum-General Education

College (sending)			University (receiving)			
course prefix, number and name	Goal(s) <sup>1</sup>	Credits	course prefix, number and name	Goal(s) <sup>1</sup>	Credits Applied	Equiv Sub Wav
BIOL 1561 General Biology of Cells	3	4	BIOL 1400 Cellular Principles	3	4	Equiv
BIOL 1562 General Biology of Organisms	3, 10	4	BIOL 1500 Diversity of Life	3, 10	4	Equiv
CHEM 1521 General Chemistry 1	3	4	CHEM 2211 Principles of Chemistry I	3	4	Equiv
CHEM 1522 General Chemistry 2	3	4	CHEM 2212 Principles of Chemistry II	3	4	Equiv
ENGL 1231 College Composition	1	4	ENGL 1151 Composition	1	4	Equiv
MnTC Goal Area 1 Course - Communication	1	3	Equivalent credits and goal area	1	3	
ENGL 1232 College Composition 2 or ENGL 1240 Technical Report Writing	1	3	ENGL 2152 Argument and Exposition ENGL 2150 Technical Writing	1	3	Equiv
MATH 1220 College Algebra	4	3	MATH 1170 College Algebra	4	3	Equiv
* MnTC Goal Area 4 Course ( <b>See Notes</b> )	4	3	* Equivalent credits and goal area	4	3	Equiv
MnTC Goal Area 5 Course	5	3	Equivalent credits and goal area	5	3	Equiv
MnTC Goal Area 6 Course	6	3	Equivalent credits and goal area	6	3	Equiv
<b>MnTC/General Education Total</b>		<b>38</b>				

**Special Notes, if any: The university recommends students take MATH1215 – Statistics for their MnTC Goal Area 4 course which will be a substitute for STAT 2610 Applied Statistics.** Remaining liberal education requirements for a bachelor's degree may be completed at the college or university.

<sup>1</sup> MnTC goal areas transfer to the receiving MnSCU college/university according to the goal areas designated by the sending college/university

## SECTION B - Major, Emphasis, Restricted and Unrestricted Electives or Other

(pre-requisite courses, required core courses, required courses in an emphasis, or electives (restricted or general) within the major). Restricted electives (in Major) fulfill a specific requirement within a major. Example A: "Chose two of the following three courses;" Example B: A Biology degree may require 40 science credits (20 credits of required courses + 20 credits of listed related courses, such as botany, genetics, sociobiology, etc. which students can select).

Major, Emphasis, Restricted, Unrestricted Electives or Other Courses				
BIOL 2330 Genetics	4	BIOL 2360 Genetics	4	Equiv
<b>Choose one of the following:</b> BIOL 2320 Microbiology BIOL 2325 Ecology	4	BIOL 3710 Microbiology BIOL 2610 General Ecology	4	Equiv
<b>** General Electives (see BSU Recommendations in the notes section)</b>	14	General Elective Credits	14	
Unrestricted elective credits (if none enter 0)		College's unrestricted elective credits accepted in transfer (if none enter 0)		
<b>Major, Emphasis, Unrestricted Electives Total</b>	<b>22</b>	<b>Total College Credits Applied (sum of sections A and B)</b>	<b>60</b>	

**Special Notes: \*\*BSU recommends the following General Electives:** BIOL 2455 Limnology or NRT 2455 Limnology which is equivalent to BIOL 3361 Limnology. BSU also recommends PHYS 1211 - College Physics I which is equivalent to PHYS 1101 General Physics I. Students taking these courses at the college will not have to take the associated course at the university. Students taking BIOL 2320 Microbiology at the college will receive upper division Biology Elective credits.

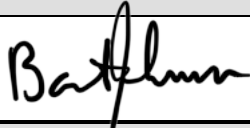
## SECTION C - Remaining University (receiving) Requirements

	course prefix, number and name	Credits
	<b>MNTC/General Elective Credits</b>	6-21
	BIOL 2610 General Ecology	0-3
	BIOL 3361 Limnology	0-4
	BIOL 3362 Streams and Rivers	4
	BIOL 3830 Aquatic Plants and Algae	4
	BIOL 4200 Freshwater Invertebrates	4
	BIOL 4534 Ichthyology	4
	CHEM 3507 Analytical Chemistry (3 credits) or ENVR 4220 Sampling and Analysis (4 credits) or GEOL 3211 Environmental Hydrology (3 credits) or GEOL 3212 Hydrogeology (3 credits)	3-4
	GEOG 3231 Intro. to Geographic Information Systems	3
	BIOL 4894 Advanced Research Project I or BIOL 4895 Advanced Research Project II or BIOL 4894 Advanced Research Project I and BIOL 4895 Advanced Research Project II	2-4
	<b>AQUATIC SYSTEMS EMPHASIS</b>	
	BIOL 3850 Marine Biology	3
	<b>SELECT A MINIMUM OF 9 CREDITS FROM THE FOLLOWING:</b>	
	BIOL 3310 Entomology (3 credits) BIOL 3420 Human Dimensions of Wildlife and Fisheries Management (3 credits) BIOL 3610 Principles of Wildlife Management (3 credits) BIOL 3630 Conservation Biology (3 credits) or GEOG 3630 Conservation Biology (3 credits) BIOL 3723 Ecosystem Ecology (3 credits) BIOL 4620 Evolution (3 credits) GEOG 3232 Intermediate Geographic Information Systems (3 credits)	9

	**SELECT AN ADDITIONAL 3-4 CREDITS OF BIOLOGY ELECTIVES AT THE 3000 LEVEL OR ABOVE	0-3 or 4
	**STAT 2610 Applied Statistics (4 credits) or PSY 3401 Basic Statistics for Research (4 credits)	0-4
	**PHYS 1101 General Physics I (4 credits) or PHYS 2101 Physics I (4 credits)	0-4
	University unrestricted elective credits not counted elsewhere (if none enter 0)	
	<b>Total Remaining University Credits<sup>2</sup></b>	60
<b>Special Notes, if any: ** See notes in Section B</b>		

<b>SECTION D - Summary of Total Program Credits</b>			
<b>College (sending) Credits</b>		<b>University (receiving) Requirements</b>	
<b>MnTC/General Education</b>	38		
<b>Major, Emphasis, Unrestricted Electives or Other</b>	22		
<b>Total College Credits</b>	60	<b>Total College Credits Applied</b>	60
		<b>Remaining credit to be taken at the university (receiving institution)</b>	60
		<b>Total Program Credits</b>	120
<b>Special Notes, if any:</b>			

<sup>2</sup> At least 40 of the required credits for the baccalaureate degree shall be at the upper-division level. If a lower division course is shown as equivalent to an upper division course, check with the university to determine if it will count toward the 40 required credits of upper division.

<b>College Chief Academic Officer</b>	Name	Signature	Date
Vice President of Academic Affairs Title	Dr. Bart Johnson		11/29/23
<b>University Chief Academic Officer</b>	Name	Signature	Date
Provost Title	Dr. Allen Bedford		
<b>DARS Encoder</b>	Beverly Hodgson		
<b>Transfer Credit Evaluator</b>	Anna Riedel		
Date when equivalencies were verified/encoded in DARS by the receiving Minnesota State institution.			