

**MINNESOTA STATE COLLEGES AND
UNIVERSITIES*
ARTICULATION AGREEMENT
BETWEEN**

**Mesabi Range College
AND
Northwestern Health Sciences 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 **Northwestern Health Sciences University** (hereinafter receiving institution), and **Mesabi Range College** (hereinafter sending 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 an **Associate of Science Degree in Biology** (hereinafter sending program), and the receiving institution has established a **Bachelor of Science Completion in Human Biology** (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.

Transfer of Credits

- A. The receiving institution will accept 59-60 credits from the sending program. A total of 60-61 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 Articulation Agreement is effective on July 1, 2015 and shall remain in effect until the end date of June 30, 2020 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 Articulation Agreement will be reviewed by both parties beginning December 2019 (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

	College (sending)	University (receiving)
Institution	Mesabi Range College	Northwestern Health Sciences University
Program name	Biology	Human Biology
Award Type (e.g., AS)	Associate of Science	BS Completion
Credit Length	60	120
CIP code (6-digit)		
Describe program admission requirements		

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 and 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.

SECTION A - Minnesota Transfer Curriculum-General Education

College (sending)			University (receiving)			
course prefix, number and name	Goal(s)	Credits	course prefix, number and name	Goal(s) ¹	Credits Applied	Equiv Sub Wav
ENGL 1511 College Writing I	1	4	GE: English/Communication		4	Equiv
BIOL 1551 College Biology I	3	5	BIOL 2010 Introduction to Biology (plus 1 GE Elective credit)		4 + 1	Equiv
MATH 1521 College Algebra or MATH 1561 Calculus I	4	4 -5	MATH 1005 Foundations of Math (plus 1 or 2 GE Elective Credits)		3 + 1 or 2	Equiv
CHOOSE at least 2 courses covering 2 goal areas: SOC 1555 Intro to Sociology or SOC 1551 Criminal Justice or POLS 1556 American Government or HIST 1565 American History of 1877 or PHIL 1551 Ethics	5, 6, 7, 8 or 9	6-7	GE: Social Science and Humanities (must have 4 credits from Humanities or will need to make up 1 credit)*		6-7	Equiv

¹ MnTC goal areas transfer to the receiving college/university according to the goal areas designated by the sending college/university

GEOG 1557 Conservation of Natural Resources	5 + 10	3	GE: Social Science		3
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MnTC/General Education Total 22-24

Special Notes, if any: Northwestern Health Sciences University requires 4 credits of Humanities. If a student is short 1 credit, can make up the credit at Northwestern Health Sciences 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).

College (sending)		University (receiving)		
course prefix, number and name	Credits		Credits	Equiv Sub Wav
BIOL 1552 College Biology II	5	GE: Natural Science/Math	5	Equiv
BIOL 2535 Microbiology	4	BIOL 4010 Microbiology	4	Equiv
CHEM 1522 General Chemistry I	5	CHEM 2048 General Chemistry 1 (plus 1 GE Elective)	4 + 1	
CHEM 1523 General Chemistry II	5	CHEM 2049 General Chemistry 2 (plus 1 GE Elective)	4 + 1	
CHEM 2512 Organic Chemistry I	5	CHEM 2058 Organic Chemistry 1 (plus 1 GE Elective)	4 + 1	
CHEM 2513 Organic Chemistry II	5	CHEM 2059 Organic Chemistry 2 (Plus 1 GE Elective)	4 + 1	
PHYS 1561 College Physics I	4	PHYS 2020 General Physics 1: Fundamentals of Physics	4	
PHYS 1562 College Physics II	4	PHYS 2041 General Physics 2: Electricity and Magnetism	4	
Major, Emphasis, Unrestricted Electives Total	37	Total College Credits Applied (sum of sections A and B)	59-60	

Special Notes, if any:

SECTION C - Remaining University (receiving) Requirements

	course prefix, number and name	Credits
	ANAT 1001 Anatomy and Physiology 1	4
	ANAT 1002 Anatomy and Physiology 2	4
	BIOC3110 Biochemistry	4
	BIOL 2020 Biology Today	2
	BIOL 3010 Cell Biology	4
	BIOL 4410 Genetics	4
	CAP 4900 Capstone Project	2
	MEDT 1001 Medical Terminology	1
	Elective Coursework (Technical Credits)	22-23

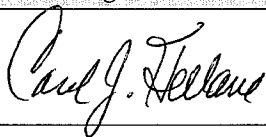
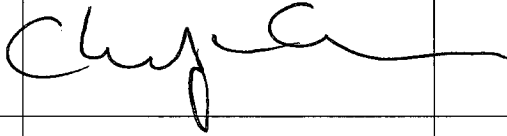
	Health Professions Core (Requirement of 12 credits from the following): <ul style="list-style-type: none"> · ANTH 1005 Culture and Health (4 credits) · ANTH 2005 Human Origins (4 credits) · HIST 3110 History of Health Care (3 credits) · MAND3310 Mandarin for Health Professionals (3 credits) · PHIL 3010 Epistemology of Health (4 credits) · PSYC 1002 Health Psychology (4 credits) · PSYC 3210 Psychology of Addiction (3 credits) · SOC1006 Sex and Gender (3 credits) · SPAN 1001 Spanish for Health Professionals (3 credits) · UGE 3710 Communication Skills for Health Professionals (3 credits) · UGE 3720 Critical Thinking for Health Professionals (3 credits) · UGE 3730 Bioethics (3 credits) · UGE 3740 Understanding and Using Research (3 credits) 	12
Total Remaining University Credits		60

Special Notes, if any:

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
Section A - MnTC/General Education	22-24		
Section B - Major, Emphasis, Restricted Electives, Unrestricted Electives or Other	37		
Total Sending Institution Credits	59-60	Sections A & B - Total Sending Institution Credits Applied	59-60
		Section C - Remaining credit to be taken at the receiving institution	60-61
		Total Receiving Institution Program Credits	120

Special Notes, if any:

	Name	Signature	Date
Chief Academic Officer and Provost	Carol Helland		8-5-15
Title			
University	Name	Signature	Date
President and Chief Executive Officer	Dr. Christopher Cassirer, Sc.D., M.P.H.		
Title			
DARS Encoder			

Date when equivalencies were encoded in DARS by the receiving MnSCU institution.