

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

**Rochester Community and Technical 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 Rochester Community and Technical 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 in Laboratory Science (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 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 Articulation Agreement is effective on April 15, 2015 and shall remain in effect until the end date of April 14, 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 October 15, 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	Rochester Community and Technical College	Northwestern Health Sciences University
Program name	Associate of Science in Laboratory Science	Human Biology
Award Type (e.g., AS)	AS	BS Completion
Credit Length	60	120
CIP code (6-digit)	26.0102	
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) <sup>1</sup>	Credits Applied	Equiv Sub Wav
COMM 1114 Fundamentals of Public Speaking	1	3	English/Communication		3	Equiv
ENGL 1117 Reading and Writing Critically	1	4	English/Communication		4	Equiv
PHIL 1125 Ethics	6	3	Humanities		3	Equiv
PSYC 1611 Psychology of Adjustment (Recommended or any other PSYC 3 credit course)	5, 7	3	Social Sciences		3	Equiv
CHEM 2100 Survey of Organic Chemistry	3	4	Natural Sciences		4	
SOC 1614 Introduction to Sociology (Recommended or any other SOC 3 credit course)	5	3	Social Science		3	Equiv

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

MATH 1115 College Algebra	4	3	MATH 1005 Foundations of Math	3	Equiv
BIOL 1220 Concepts of Biology	3, 10	4	BIOL 2010 Introduction to Biology	4	Equiv
BIOL 1217 Anatomy and Physiology I	3	4	ANAT 1001 Anatomy and Physiology 1	4	Equiv
BIOL 1218 Anatomy and Physiology II	3	4	ANAT 1002 Anatomy and Physiology 2	4	Equiv
BIOL 2021 General Microbiology	3	4	BIOL 4010 Microbiology	4	Equiv
CHEM 1127 Chemical Principles I	3	4	CHEM 2048 General Chemistry 1	4	Equiv
ENGL 1109 Technical Writing or ENGL 1118 Reading & Writing Critically II (4 credit)	1	3	General Education Elective (1 credit), Electives(2 credits)	3	Equiv
<b>MnTC/General Education Total</b>		46			

**Special Notes, if any:**

### 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 1230 Survey of Life Forms	4	Natural Sciences/Math course	4	Equiv
CHEM 1128 Chemical Principles II	4	CHEM 2049 General Chemistry 2	4	Equiv
CHEM 1118 General Organic Biological Chemistry II		Natural Science	4	Equiv
BTEC 1600 Introduction to Medical Terminology	2	MEDT 1001 Medical Terminology (plus 1 credit elective)	1 + 1	Equiv
<b>Major, Emphasis, Unrestricted Electives Total</b>	14	<b>Total College Credits Applied (sum of sections A and B)</b>	60	

**Special Notes, if any:**

### SECTION C - Remaining University (receiving) Requirements

	course prefix, number and name	Credits
	PHYS 2041 General Physics 1: Fundamentals of Physics	4
	PHYS 2041 General Physics 2: Electricity and Magnetism	4
	CHEM 2058 Organic Chemistry 1	4
	CHEM 2059 Organic Chemistry 2	4
	BIOC 3110 Biochemistry	4
	BIOL 2020 Biology Today	2
	BIOL 3010 Cell Biology	4
	BIOL 4410 Genetics	4
	CAP 4900 Capstone Project	2
	Electives (of which 1 credit must be Humanities)	16
	Health Professions Core (Requirement of 12 Credits from the following list); -ANTH 1005 Culture and Health (4 credits) -ANTH 2005 Human Origins (4 credits) -HIST 3110 History of Health Care (3 credits) -MAND 3310 Mandarin for Health Professions (3 credits) -PHIL 3010 Epistemology of Health (4 credits) -PSYC 1002 Health Psychology (4 credits)	12

	-PSYC 3210 Psychology of Addiction (3 credits) -SOC 1006 Sex and Gender (3 credits) -SPAN 1001 Spanish for Health Professions (3 credits) -UGE 3710 Communication Skills for Health Professionals (3 credits) -UGE 3720 Critical Thinking for Health Professionals (3 credits) -UGE 3730 Bioethics (3 credit course) -UGE 2740 Understanding and Using Research (3 credits)	
	<b>Total Remaining University Credits</b>	60

Special Notes, if any:

**SECTION D - Summary of Total Program Credits**

College (sending) Credits		University (receiving) Requirements	
Section A - MnTC/General Education	46		
Section B - Major, Emphasis, Restricted Electives, Unrestricted Electives or Other	14		
<b>Total Sending Institution Credits</b>	60	<b>Sections A &amp; B - Total Sending Institution Credits Applied</b>	60
		<b>Section C - Remaining credit to be taken at the receiving institution</b>	60
		<b>Total Receiving Institution Program Credits</b>	120

Special Notes, if any:

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College	Name	Signature	Date
Chief Academic Officer, Interim Vice President of Academic Affairs	Dr. Nirmala Kotagal	<i>Nirmala Kotagal</i>	April 21, 2015
Title			
University	Name	Signature	Date
President and Chief Executive Officer	Dr. Christopher Cassirer, Sc.D., M.P.H.	<i>Christopher Cassirer</i>	4-29-15
Title			
DARS Encoder			
Date when equivalencies were encoded in DARS by the receiving MnSCU institution.			