

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

**Rochester Community and Technical College  
AND  
University of Minnesota Crookston**

\*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 Rochester Community and Technical College 851 30<sup>th</sup> Ave SE Rochester, MN 55904 (hereinafter sending institution), and University of Minnesota Crookston 2900 University Ave Crookston, MN 56716 (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 an Environmental Science AS (hereinafter sending program), and the receiving institution has established a Bachelor of Science in Environmental Science – Science (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 125.5 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 12/31/2020 and shall remain in effect until the end date of 12/31/2023 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 06/1/2023 (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.

December 31, 2020

## PROGRAM ARTICULATION TABLE

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

	College (sending)	University (receiving)
Institution	Rochester Community and Technical College	University of Minnesota Crookston
Program name	Environmental Science	Environmental Science
Award Type (e.g., AS)	A.S	B.S
Credit Length	60	120
CIP code (6-digit)		
Describe program admission requirements (if any)		

### 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
Minnesota Transfer Curriculum-General Education						
COMM 1114 – Fundamentals of Public Speaking	1	3	COMM 1101 – Public Speaking	1	3	equiv
ENGL 1117 – Reading and Writing Critically I	1	4	COMP 1011 –Composition I	1	3	equiv
ENGL 1118 – Reading and Writing Critically II	1	4	COMP 1013 – Composition II	1	3	equiv
BIOL 1102 – Plant Biology	3	3	BIOL 2022 – General Botany		3	equiv
BIOL 1220 – General Biology I	3	4	BIOL 1009 – General Biology	3	4	equiv
MATH 2208 – Fundamentals of Statistics	4	4	MATH 1150 – Introduction to Statistics	4	3	equiv
SOC 1614 – Introduction of Sociology	5	3	SOC 1001 – Sociology	5,7	3	equiv
PHIL 1125 – Ethics – or –	6	3	PHIL 2002 – Intro to Ethics	6,9	3	equiv
PHIL 1130 – Environmental Ethics	6	3	PHIL Elective	6	3	

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

BIOL 1100 – Environmental Biology	10	3	NATR 1226 – Environmental Science and Sustainability	3,10	3	equiv
<b>MnTC/General Education Total</b>		31				
<b>Special Notes, if any:</b>						
<b>SECTION B - Major, Emphasis, Restricted and Unrestricted Electives or Other</b>						
(pre-requisite courses, required core courses, required courses in an emphasis, or electives (restricted or general) within the major). <u>Restricted electives (in Major)</u> 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 1230 – General Biology II	4	Elective		4	sub	
BIOL 1300 – Biological Applications of GIS Technology	3	NATR 2630 – Introduction to Geographic Information Systems		3	equiv	
BIOL 1310 – Environmental Science Seminar	2	Elective		2	sub	
BIOL 2000 – Ecology	4	BIOL 2021 – Plant Diversity, Ecology, and Evolution		4	sub	
BIOL 2200 – Zoology	4	BIOL 2012 – General Zoology		4	Equiv	
BIOL 2300 – Genetics	4	BIOL 3022 – Principles of Genetics		4	equiv	
CHEM 1127 – Chemical Principles I and CHEM 1128 Chemical Principles II – or –	8	CHEM 1127 – Elective CHEM 1128 – CHEM 1022		8	equiv	
PHYS 1117 – Introductory Physics I and PHYS 1118 Introductory Physics II	8	PHYS 1117 – PHYS 1101 Intro to College Physics PHYS 1118 – PHYS 1102		8		
<b>Major, Emphasis, Unrestricted Electives Total</b>	29	<b>Total College Credits Applied (sum of sections A and B)</b>		60		

<b>SECTION C - Remaining University (receiving) Requirements</b>		
	course prefix, number and name	Credits
	BIOL 3420 – Ecotoxicology	3
	COMM 4800 – Crisis Communication	3
	ENSC 2055 – Hazardous Waste Worker Training	3
	ENSC 3124 – Environmental Science and Remediation Techniques	3
	ENSC 3132 – Environmental Factors and Human Health	3
	ENSC 4022 – Risk Assessment and Environmental Impact Statements	3
	ENSC 4100 – Capstone in Environmental Science	2
	WRIT 3303 – Writing in Your Profession	3
	BIOL 3899 – Pre-Internship Seminar	.5
	BIOL 3900 – Internship – or – BIOL 3901 Post-Internship Seminar	2
	ECON 1010 – Global Trade Economics	3
	ECON 2101 – Microeconomics	3
	ENSC 3003 – Sustainable YoU, Sustainable World	3
	Subplan: Science	28
	CHEM 1061 – Chemical Principles I (3)	
	CHEM 1065 – Chemical Principles I Lab (1)	
	GEO 1001 – Introductory Geology (4)	
	AGRO 3030 – Research Techniques in Ag and Natural Resources (3)	
	CHEM 1062 – Chemical Principals II (3)	
	CHEM 1066 – Chemical Principles II Lab (1)	
	CHEM 2301 – Organic Chemistry I (3)	
	CHEM 2310 – Organic Chemistry I Lab (2)	
	CHEM 3022 – Chemical Analysis in the Biological and Environmental Sciences (4)	
	ENSC 3720 – Fate of Chemicals in the Environment (4)	3
	Goal Areas: 6,9*	
	<b>Total Remaining University Credits<sup>2</sup></b>	<b>65.5</b>



**Special Notes, if any:**

\*Students need to complete goals 6 and 9. Students may take a course that will count for both goal areas, limiting the amount of credits to 3. If student does not enroll in PHYS 1117 and 1118 they must complete at Crookston.

### SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	31		
Major, Emphasis, Unrestricted Electives or Other	29		
<b>Total College Credits</b>	<b>60</b>	<b>Total College Credits Applied</b>	<b>60</b>
		<b>Remaining credit to be taken at the university (receiving institution)</b>	<b>65.5</b>
		<b>Total Program Credits</b>	<b>125.5</b>
<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.

College	Name	Signature	Date
Chief Academic Officer			
Vice President, Academic Affairs Title	Michelle Pyfferoen		04/07/2021
University	Name	Signature	Date
Chief Academic Officer	John L. Hoffman		
Vice Chancellor for Academic and Student Affairs Title			4/21/2021
DARS Encoder			
Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution.			

December 31, 2020