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| MINNESOTA STATE COLLEGES AND UNIVERSITIES* ARTICULATION AGREEMENT BETWEEN | Lake Superior College AND Northwestern Health Sciences University |
| <p>*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.</p> | |

This Agreement is entered into between **Northwestern Health Sciences University** (hereinafter receiving institution), and **Lake Superior 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 Health Science Broad Field** (hereinafter sending program), and the receiving institution has established a **Bachelor of Science Completion in 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 08/15/2015 and shall remain in effect until the end date of 08/15/2020 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 10/1/2019 (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 | Lake Superior College | Northwestern Health Sciences University |
| Program name | Associate of Science in Health Science Broad Field | Human Biology |
| Award Type (e.g., AS) | AS | BS Completion |
| Credit Length | 60 | 120 |
| CIP code (6-digit) | add <i>51.0000</i> | |
| 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 |
| COMM 1115 Intercultural Communication | 1,7 | 3 | English/Communication | | 3 | Equiv |
| ENGL 1106 Composition I | 1 | 3 | English/Communication | | 3 | Equiv |
| ENGL 1109 College Composition II | 1 | 3 | English/Communication | | 3 | Equiv |
| PSYC 1120 General Psychology | 5, 7 | 3 | Social Sciences | | 3 | Equiv |
| PSYC 1135 Lifespan Developmental Psychology | 5,7 | 3 | Social Sciences | | 3 | Equiv |
| SOC 1111 Introduction to Sociology | 5,7 | 3 | Social Sciences | | 3 | Equiv |
| MATH 2210 General Statistics | 4 | 3 | Math/Logical Reasoning | | 3 | Equiv |
| PHIL 1130 Ethics | 6,9 | 3 | Humanities | | 3 | Equiv |
| HPER 1302 Nutrition | | 2 | General Education Elective | | 2 | |

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

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|---|---|--|---|-------|
| Any other General Education course electives (1 credit must be from humanities to meet NWSU requirements) | 9 | Humanities (1 credit), General Education Electives(2 credits), Electives (6 credits) | 9 | Equiv |
| MnTC/General Education Total | | 35 | | |

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 Way |
| FYE 1000 Intro to College | 1 | General Education Elective | 1 | |
| BIOL 1140 Anatomy and Physiology 1 | 4 | ANAT 1001 Anatomy and Physiology 1 | 4 | Equiv |
| BIOL 1141 Anatomy and Physiology II | 4 | ANAT 1002 Anatomy and Physiology 2 | 4 | Equiv |
| MATH 1100 College Algebra | 4 | MATH 1005 Foundations of Math (plus 1 elective) | 3 + 1 | Equiv |
| CHEM 1210 General Chemistry 1 | 5 | CHEM 2048 General Chemistry (plus 1 elective credit) | 4 + 1 | Equiv |
| BIOL 1120 Principles of General Biology | 4 | BIOL 2010 Introduction to Biology | 4 | Equiv |
| BIOL 1170 Microbiology | 3 | BIOL 4010 Microbiology | 3 | Sub |
| Major, Emphasis, Unrestricted Electives Total | 25 | Total College Credits Applied (sum of sections A and B) | 60 | |

Special Notes, if any:

SECTION C - Remaining University (receiving) Requirements

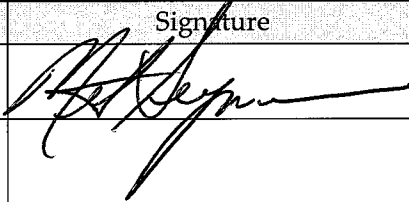

| | course prefix, number and name | Credits |
|--|--|---------|
| | CHEM 2049 General Chemistry 2 | 4 |
| | CHEM 2058 Organic Chemistry 1 | 4 |
| | CHEM 2059 Organic Chemistry 2 | 4 |
| | PHYS 2040 General Physics 1: Fundamentals of Physics | 4 |
| | PHYS 2041 General Physics 2: Electricity and Magnetism | 4 |
| | BIOC 3110 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 |
| | Electives | 11 |
| | 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) | 12 |

| | | |
|--|--|----|
| | -PHIL 3010 Epistemology of Health (4 credits) -PSYC 1002 Health Psychology (4 credits) -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 credits) -UGE 2740 Understanding and Using Research (3 credits) | |
| | 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 | 35 | | |
| Section B - Major, Emphasis, Restricted Electives, Unrestricted Electives or Other | 25 | | |
| Total Sending Institution Credits | 60 | Sections A & B - Total Sending Institution Credits Applied | 60 |
| | | Section C - Remaining credit to be taken at the receiving institution | 60 |
| | | Total Receiving Institution Program Credits | 120 |

| College | Name | Signature | Date |
|---------------------------------------|---|--|----------|
| Chief Academic Officer | Michael Seymour |  | 10-19-15 |
| Title | | | |
| University | Name | Signature | Date |
| President and Chief Executive Officer | Dr. Christopher Cassirer, Sc.D., M.P.H. |  | 9-2-15 |
| Title | | | |
| DARS Encoder | | | |

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