

Dodge-OW102A
MINNESOTA STATE COLLEGES AND
UNIVERSITIES*
ARTICULATION AGREEMENT
BETWEEN

NORTHLAND COMMUNITY AND TECHNICAL
COLLEGE
AND
MINNESOTA STATE UNIVERSITY MOORHEAD

*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 NORTHLAND COMMUNITY AND TECHNICAL COLLEGE (hereinafter sending institution)**, and **MINNESOTA STATE UNIVERSITY MOORHEAD (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 **COMPUTER and NETWORK TECHNOLOGY AAS (hereinafter sending program)**, and the receiving institution has established a **COMPUTER INFORMATION TECHNOLOGY BS (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 credits** from the sending program. A total of **68 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 **06/15/2021** and shall remain in effect until the end date of **06/15/2026** 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 **12/15/2025** (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 | Northland Community and Technical College | Minnesota State University Moorhead |
| Program name | Computer & Network Technology | Computer Information Technology |
| Award Type (e.g., AS) | AAS | BS |
| Credit Length | 60 | 120 |
| CIP code (6-digit) | 11.0901 | 110401 |
| 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) ¹ | Credits | course prefix, number and name | Goal(s) ¹ | Credits Applied | Equiv Sub Wav |
| Minnesota Transfer Curriculum-General Education | | | | | | |
| SPCH 1101 Intro to Public Speaking | 1, 2 | 3 | COMM 100 Speech Communication | 1, 2 | 3 | Equiv |
| PHIL 1102 Intro to Ethics | 6, 9 | 3 | MnTC GOAL AREAS 6 and 9 | 6, 9 | 3 | |
| ENGL 1111 Composition I | 1, 2 | 3 | ENG 101 English Composition I | 1, 2 | 3 | Equiv |
| MATH 1110 College Algebra | 4 | 3 | MATH 127 College Algebra | 4 | 3 | Equiv |
| History/ Social Science Elective | 5 | 3 | MnTC Goal Area 5 | 5 | 3 | |
| | | | | | | |
| MnTC/General Education Total | | 15 | | | | |

Special Notes: Additional MnTC courses taken at Northland will transfer with the same number of credits and goal areas.

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

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

| | | | | |
|--|-----------|--|-----------|--------------|
| CPTR 1132 Microcomputer Maintenance | 3 | CSIS 222 Computer Maintenance | 3 | Equiv |
| Interest Electives | 6 | | 6 | |
| <i>*Recommended: *MKTG 2410 Social Media Marketing</i> | (3) | <i>CSIS 241 Intro to Web Design & Development</i> | (3) | <i>Equiv</i> |
| <i>* ACCT 1124 Spreadsheet Concepts</i> | (3) | <i>CSIS 104 Spreadsheet & Database Applications</i> | (3) | <i>Equiv</i> |
| CPTR 2214 Network Operating Sys | 3 | CSIS 290 Special Topics | 3 | Equiv |
| CPTR 1110 Visual Basic Programming | 3 | Electives | 32 | |
| CPTR 1128 Help Desk Concepts | 3 | | | |
| CPTR 1136 Networking I | 4 | | | |
| CPTR 1147 Networking II | 4 | | | |
| CPTR 1148 Micro Operating Systems | 3 | | | |
| CPTR 1171 Fund of Network Security | 3 | | | |
| CPTR 2226 Networking III | 3 | | | |
| CPTR 2227 Networking IV | 3 | | | |
| CPTR 2252 Micro Systems Project | 3 | | | |
| CPTR 2231 Unix/ Linux | 3 | | | |
| CRLT 2103 Job Seeking/ Keeping (1 cr) | 1 | | | |
| Major, Emphasis, Unrestricted Electives Total | 45 | Total College Credits Applied (sum of sections A and B) | 59 | |

Special Notes: * These courses are recommended because they fulfill a requirement of the major.

SECTION C - Remaining University (receiving) Requirements

| course prefix, number and name | Credits |
|---|-----------|
| MnTC/ LASC Goal Areas and Requirements* | 24 |
| MATH 210 Concepts from Discrete Mathematics (Goal 4) | 3 |
| ENGL 387 Technical Report Writing OR (WI) | 3 |
| PMGT 385 Process Leadership | |
| CSIS 145 Intro to Information Systems | 1 |
| CSIS 152 Intro to Computers & Programming I-a | 3 |
| CSIS 153 Intro to Computers & Programming I-b | 3 |
| CSIS 304 Databases | 3 |
| CSIS 311 Server-Side Scripting | 3 |
| CSIS 341 System & Network Administration | 3 |
| CSIS 349 Networks & Data Communications | 3 |
| CSIS 349L Network & Data Communications Lab | 1 |
| CSIS 360 Linux programming & Development Tools | 3 |
| CSIS 441 Network Security | 3 |
| CSIS 469 Internship OR | 3 |
| CSIS 405 E-Commerce Technology OR | |
| CSIS 446 Decision Support Systems | |
| Restricted Electives at 300 level or higher | 9 |
| ** CSIS 241 Intro to Web Design & Development | (3) |
| **CSIS 104 Spreadsheet & Database Applications | (3) |
| Total Remaining University Credits² | 68 |


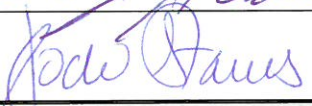
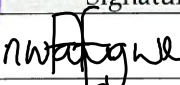


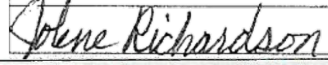
Special Notes, if any: * Goal areas must be met and 42 MnTC/ LASC credits earned. ** Course is required if the equivalent course wasn't taken at Northland. Given the frequency of course offerings, students may need additional time to complete the requirements. Students should work with their MSUM advisor on the sequence of their coursework.

SECTION D - Summary of Total Program Credits

| College (sending) Credits | | University (receiving) Requirements | |
|--|-----------|---|------------|
| MnTC/General Education | 15 | | |
| Major, Emphasis, Unrestricted Electives or Other | 45 | | |
| Total College Credits | 60 | Total College Credits Applied | 59 |
| | | Remaining credit to be taken at the university (receiving institution) | 68 |
| | | Total Program Credits | 127 |

Special Notes, if any:

² 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 | Brian J. Huschle |  | 7/19/21 |
| Academic Dean | Jodi Stauss |  | 7/19/21 |
| Title | | | |
| University | Name | Signature | Date |
| Department Chairperson | Adaeze Nwaigwe Kristofer Schieper |  | 7/20/2021 |
| Academic Dean | Josh Behl |  | 7/20/2021 |
| Chief Academic Officer | Arrick Jackson |  | 07/21/2021 |
| DARS Encoder | Jolene Richardson |  | 7/21/2021 |
| Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution. | | | |