

MINNESOTA STATE COLLEGES AND  
UNIVERSITIES\*  
ARTICULATION AGREEMENT  
BETWEEN

MINNESOTA STATE 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 MINNESOTA STATE 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 an **ENGINEERING AS** (hereinafter sending program), and the receiving institution has established a **PROJECT MANAGEMENT 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 **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 **03/30/2021** and shall remain in effect until the end date of **03/30/2026** 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 **09/30/2025** 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                                      | <b>MINNESOTA STATE COMMUNITY AND TECHNICAL COLLEGE</b> | <b>MINNESOTA STATE UNIVERSITY MOORHEAD</b> |
| Program name                                     | Engineering  | Project Management                         |
| Award Type (e.g., AS)                            | AS   | BS   |
| Credit Length                                    | 60   | 120  |
| CIP code (6-digit)                               | 140102   | 52.0211                                    |
| 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  |                      |            |  |                      |                 |               |
| ENGL 1101 College Writing I  | 1                    | 3          | ENG 101 English Composition I                  | 1                    | 3               | Equiv         |
| ENGL 1205 Writing About Literature <b>OR</b><br>ENGL 1210 Writing About Critical Issues <b>OR</b><br>ENGL1215 Professional & Technical Writing | 1                    | 3          | MnTC Goal Area 1B                              | 1B                   | 3               |               |
| COMM 1120 Intro to Public Speaking   | 1                    | 3          | COMM 100 Speech Communication                  | 1                    | 3               | Equiv         |
| CHEM 1111 General Inorganic Chemistry I  | 2, 3                 | 5          | CHEM 150/ 150L General Chemistry I             | 2, 3                 | 5               | Equiv         |
| CHEM1112 General Inorganic Chemistry II  | 2, 3                 | 5          | CHEM 210/ 210L General Chemistry II (Elective) | 2, 3                 | 5               | Equiv         |
| MATH 1134 Calculus I   | 2, 4                 | 5          | MATH 261 Calculus I                            | 2, 4                 | 5               | Equiv         |
| MATH 1135 Calculus II  | 2, 4                 | 5          | MATH 262 Calculus II (Elective)                | 2, 4                 | 5               | Equiv         |
| MATH 2231 Calculus III   | 2, 4                 | 4          | MATH 323 Mult-Variable and Vector Calculus     | 2, 4                 | 4               | Equiv         |
| PHYS 1412 University Physics II  | 3                    | 5          | PHYS 201 General Physics II w Lab              | 3                    | 5               | Equiv         |
| MnTC/ General Ed Courses   | 1 - 10               | 3          | MnTC Goal Areas 1 - 10                         | 1 - 10               | 3               |               |
| <i>*Recommend: *ECON 2222 Microeconomics</i>   | <i>(2, 5, 9)</i>     | <i>(3)</i> | <i>ECON 202 Microeconomics</i>                 | <i>(2, 5, 9)</i>     | <i>(3)</i>      | <i>Equiv</i>  |
| <b>**Recommended: MnTC/ General Ed Courses (Choice of MnTC or major courses)</b>   | 1 - 10               | 3 - 6      | MnTC Goal Areas 1 - 10                         | 1 - 10               | 3 - 6           |               |

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



|                                     |            |
|-------------------------------------|------------|
| <b>MnTC/General Education Total</b> | 44 -<br>47 |
|-------------------------------------|------------|

**Special Notes:** \*This is a required courses for the Project Management BS. To make the most of the other credits, take MnTC courses that count for more than one goal area. MSUM will accept other MnTC credits and will transfer the same number of credits and goal areas as M-State awards.

### 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  |            | Electives  | 13 -<br>16 |
|---|------------|--|------------|
| ENGR 2210 Engineering Mechanics I   | 3          |  |            |
| ENGR 2220 Engineering Mechanics II  | 3          |  |            |
| ENGR 2230 Mechanics of Materials  | 3          |  |            |
| MATH 2259 Differential Equations  | 4          |  |            |
| ENGR 2970 Internship Experience (1 – 3) <b>OR</b><br>CADD 1000 Auto CAD Basics (3) <b>OR</b><br>CADD 2120 Visual Communication for Engineers (3)<br>(Optional or take additional MnTC course) | 0 - 3      |  |            |
| <b>Major, Emphasis, Unrestricted Electives Total</b>  | 13 -<br>16 | <b>Total College Credits Applied<br/>(sum of sections A and B)</b> | 60         |

**Special Notes:**

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

| course prefix, number and name   | Credits |
|--|---------|
| Remaining MnTC/ LASC Goal Requirements*  | 6       |
| MATH 234 Probability & Statistics (Goal 4)   | 3       |
| ACCT 230 Principles of Accounting I  | 3       |
| MGMT 260 Principles of Management  | 3       |
| MKTG 270 Principles of Marketing   | 3       |
| OM 380 Methods Improvement   | 3       |
| OM 395 Computer Applications for Technologists   | 3       |
| OM 470 Purchasing & Sourcing Management  | 3       |
| OM 483 Cost Analysis   | 3       |
| OM 482 Quality Planning & Implementation   | 3       |
| PMGT 300 Project Management & Scheduling   | 3       |
| PMGT 301 Customer Relationship Management <b>OR</b><br>PMGT 433 Dale Carnegie Skills for Success | 3       |
| PMGT 385 Process Leadership  | 3       |
| PMGT 400 Advanced Project Management, Risk & Liability   | 3       |
| PMGT 401 CRM Consulting <b>OR</b><br>MGMT 371 Intro to Business Analytics                        | 3       |
| PMGT 456/ MGMT 456 Project Management in Business  | 3       |
| PMGT 492 Project Management Capstone   | 3       |
| OM 469 Internship <b>OR</b><br>BUS 480 Dragon Consulting   | 3       |
| Electives (If needed to bring to bring total credits to 120)                                     | 3       |
| ** <i>ECON 202 Microeconomics</i>  | (3)     |
| <b>Total Remaining University Credits<sup>2</sup></b>  | 60      |

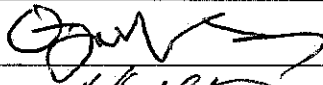
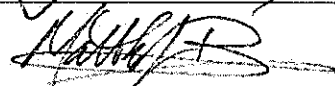
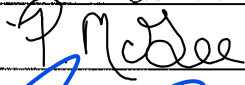
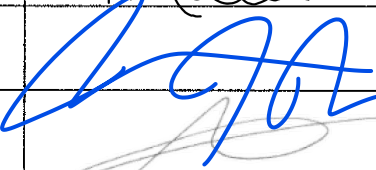
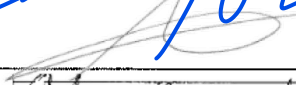
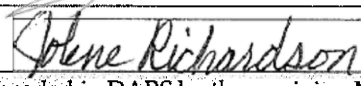
**Special Notes, if any:** \* MSUM LASC or gen ed requirements with 42 credits and goal areas must be fulfilled. To make the most of your effort, take LASC courses that count for more than one goal area. \*\* This course is required unless the equivalent was taken as part of the M-State coursework above.

### SECTION D - Summary of Total Program Credits

| College (sending) Credits | University (receiving) Requirements |
|---------------------------|-------------------------------------|
| MnTC/General Education    | 44 -<br>47                          |

|  |         |   |     |
|--|---------|---|-----|
| Major, Emphasis, Unrestricted Electives or Other | 13 - 16 |   |     |
| <b>Total College Credits</b>                     | 60      | <b>Total College Credits Applied</b>  | 60  |
|  |         | <b>Remaining credit to be taken at the university (receiving institution)</b> | 60  |
|  |         | <b>Total Program Credits</b>  | 120 |
| <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  | Dr. John Maduko            |    | 5/4/21     |
| Academic Dean   | Dr. Matthew J. Borcharding |    | 05/03/2021 |
| University  | Name                       | Signature  | Date       |
| Department Chairperson  | Pam McGee                  |    | 5/6/2021   |
| Academic Dean   | Josh Behl                  |   | 5/6/21     |
| Chief Academic Officer  | Arrick Jackson             |   | 05/10/21   |
| DARS Encoder  | Jolene Richardson          |  | 5/10/21    |
| Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution. |                            |  |            |