

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

**HIBBING COMMUNITY 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 **HIBBING COMMUNITY 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 the following programs:

Automotive Technician Diploma, 64 credits 47.060400

Diesel and Heavy Equipment Diploma, 67 credits 47.030201

Electrical Maintenance & Construction Diploma, 74 credits 46.03020

Heating & Cooling Technician Diploma, 35 credits, 47.0201

Industrial Systems Technology Diploma, 60 credits 47.03990

IT Networking & Security Diploma, 67 credits 47.010400

(hereinafter sending program), and the receiving institution has established an Operations Management: Emphasis in Technical 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 32 - 53 credits from the sending program. A total of 70 - 76 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 07/15/2020 and shall remain in effect until the end date of 07/15/2025 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.

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- D. This Articulation Agreement will be reviewed by both parties beginning 01/15/2024 (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 | HIBBING COMMUNITY COLLEGE | MINNESOTA STATE UNIVERSITY MOORHEAD |
| Program name | Automotive Technician 47.060400, 64 credits Diesel and Heavy Equipment 47.030201, 67 credits Electrical Maintenance & Construction 46.030200, 74 credits Heating & Cooling Technician Diploma, 35 credits Industrial Systems Technology Diploma, 47.03990, 60 credits IT Networking & Security 47.01040, 67 credits 47.010400 | Operations Management |
| Award Type (e.g., AS) | AAS | BS |
| Credit Length | (See above.) | 120 |
| CIP code (6-digit) | (See above.) | 52.020500 |
| Describe program admission requirements (if any) | | Diploma with 30+ prescribed technical credits, as prescribed by program's accrediting board, The Association of Technology, Management, and Applied Engineering (ATMAE) |
| Instructions | | |
| <ul style="list-style-type: none"> 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. <p style="text-align: center;">(To add rows, place cursor outside of the end of a row and press enter.)</p> | | |
| 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 | Equip Sub Wav |
| Minnesota Transfer Curriculum-General Education | | | | | | |
| General Education Requirement* | | | | | | |
| Automotive Technician Diploma, (2 cr) Diesel and Heavy Equipment Maintenance Diploma, (5 cr) Electrical Maintenance & Construction Diploma, (2 cr) Heating & Cooling Technician Diploma (0 cr) IT Networking & Security Diploma, (5 cr) | 1 - 10 | 0 - 5 | MNTC General Education courses | 1 - 10 | 2 - 8 | |
| MnTC/General Education Total | | 0 - 5 | | | | |
| <p>Special Notes, if any: *Students should work with their advisor at Hibbing and also MSU Moorhead to choose best general education courses to take at MSCTC. MSUM will accept other MnTC credits within the diploma and will transfer the same number of credits and goal areas Hibbing community College awards.</p> <p>ECON 1050 Microeconomics (3 cr) is equivalent to MSUM ECON 202, Principles of Economics I: Microeconomics, Goal Area 5.</p> <p>SPCH 1040 Intro to Communication (3 cr) transfers as MnTC Goal Area 1</p> <p>ENSC 1050 Environmental Science (3 cr) transfers as MnTC Goal Area 3, 10</p> <p>ENGL 1065 Composition I (4 cr) is equivalent to MSUM ENGL 101 English Composition I, Goal Area 1, 2.</p> <p>ENGL 1070 Technical Report Writing (3 cr) transfers as Goal Area 1</p> <p>MATH 1040 College Algebra (4 cr) is equivalent to MSUM MATH 127 College Algebra, Goal Area 4.</p> <p>MATH 2010 Statistics (4 cr) is equivalent to MSUM MATH 234 Probability & Statistics, Goal Area 4.</p> <p>PSYC1010 Psychology of Adjustment Transfers as MnTC Goal Area 5.</p> | | | | | | |
| 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). <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 | | | | | | |
| Technical credits as prescribed in program | | | | | | |
| Automotive Technician Diploma, (59 cr)* Diesel Mechanics/ Heavy Equipment Maintenance Diploma, (59 cr)* Electrical Maintenance & Construction Diploma, (69 cr) Heating & Cooling Technician Diploma (32 cr) IT Networking & Security Diploma, (59 cr) | | | Technical Credits as prescribed in the program | | 30 | |
| | | | Additional credits up to 18 will be applied as unrestricted elective credits* | | Up to 18 | |
| COMM 1200 Communications for Careers (3), EMPL 2515 Employment Skills (1), ITNS 1601 Tech Writing Applications (2) | | | Not Applicable | | 0 | |
| Major, Emphasis, Unrestricted Electives Total | | 32 - 72 | Total College Credits Applied (sum of sections A and B) | | 32 - 53 | |
| <p>Special Notes: * No more than 48 technical credits will be applies as elective credit. If the program doesn't have that many technical credits, that lower number of credits will be applied.</p> | | | | | | |

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

SECTION C - Remaining University (receiving) Requirements

| | course prefix, number and name | Credits |
|--|---|----------------|
| | Gen Ed/ LASC goal areas and credits* | 28 - 33 |
| | MATH 127 College Algebra (Goal 4) | 3 |
| | MATH 234 Intro to Probability & Statistics (Goal 4) | 3 |
| | ECON 202 Principles of Economics I: Micro (Goal 5) | 3 |
| | ACCT 230 Principles of Accounting I | 3 |
| | MGMT 260 Principles of Management | 3 |
| | OM 380 Methods Improvement | 3 |
| | OM 393 Occupational Safety & Health | 3 |
| | OM 395 Computer Apps for Technologists | 3 |
| | OM 470 Purchasing & Sourcing Management | 3 |
| | OM 482 Quality Management | 3 |
| | OM 483 Cost Analysis | 3 |
| | OM 485 Production & Inventory Management | 3 |
| | PMGT 300 Project Management & Scheduling | 3 |
| | PMGT 385 Process Leadership | 3 |
| | OM 469 Internship | 3 |
| | Electives (If needed to bring total to 120 cr.) | 0 - 10 |
| | Total Remaining University Credits² | 73 - 88 |


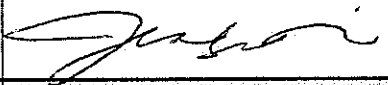

Special Notes, if any: * MnTC/ LASC goal areas must be met and 42 credits earned. Equivalent courses can be taken at Hibbing Community College (see Section A Notes).

SECTION D - Summary of Total Program Credits

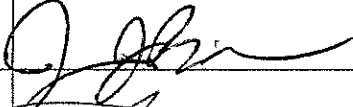


| College (sending) Credits | | University (receiving) Requirements |
|--|---------|---|
| MnTC/General Education | 0 - 5 | |
| Major, Emphasis, Unrestricted Electives or Other | 32 - 72 | |
| Total College Credits | 35 - 74 | Total College Credits Applied 32 - 53 |
| | | Remaining credit to be taken at the university (receiving institution) 73 - 88 |
| | | Total Program Credits 120 - 126 |

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 | Aaron Reini |  | 7/13/20 |
| Academic Dean | Jessalyn Sabin |  | 7/13/2020 |
| Title | | | |
| University | Name | Signature | Date |
| Department Chairperson | Pam McGee |  | 12/10/20 |

March, 2020

| | | | |
|---|-------------------|--|-----------|
| Academic Dean | Josh Behl |  | 2/12/2021 |
| Chief Academic Officer | Arrick Jackson |  | 2/15/21 |
| DARS Encoder | Jolene Richardson |  | 2/12/21 |
| Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution. | | | |