

MINNESOTA STATE COLLEGES AND
UNIVERSITIES*
ARTICULATION AGREEMENT
BETWEEN

SAINT PAUL 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 SAINT PAUL 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 Service Technician AAS, 47.060400
Computer Network Engineering AAS, 11.090100
Computer Programming AAS, 11.020201
CyberSecurity AAS 11.0501
Sheet Metal – HVAC Ducts & Fittings AAS, 48.050600
Visualization Technology AAS, 10.030400

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 60 – 64 credits from the sending program. A total of 60 - 62 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 02/15/2020 and shall remain in effect until the end date of 02/15/2025 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.

- D. This Articulation Agreement will be reviewed by both parties beginning 08/15/2025 (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 | SAINT PAUL COLLEGE | MINNESOTA STATE UNIVERSITY MOORHEAD |
| Program name | Automotive Service Technician AAS, 47.060400 (72 cr) Computer Network Engineering AAS 11.090100 (60 cr) Computer Programming AAS, 11.020201 (60 cr) CyberSecurity AAS 11.0501 (60 cr) Sheet Metal – HVAC Ducts & Fittings AAS, 48.050600 (60 cr) Visualization Technology AAS, 10.030400 (60 cr) | 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) | | AAS 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 | Equiv Sub Wav |
| Minnesota Transfer Curriculum-General Education | | | | | | |
| General Education Requirements Students must select from at least three (3) of the (10) goal areas of the MnTC Automotive Service Technician (16 cr) Computer Network Engineering (16 cr) Computer Programming (16 cr) CyberSecurity (16 cr) Sheet Metal – HVAC Ducts & Fittings (23 cr) Visualization Technology (20 cr) | | | MnTC General Education courses | 1 - 10 | 16 - 23 | |
| MnTC/General Education Total | | 16 - 23 | | | | |
| <p>Special Notes: General Education courses must be a MnTC in order to transfer. MSUM will accept other MnTC credits and will transfer the same number of credits and goal areas as Saint Paul College awards. Students should work with their advisor at both institutions to choose the best general education courses to take at Saint Paul.</p> <p>ECON 1730 Principles of Microeconomics (3 cr) is equivalent to MSUM ECON 202, Principles of Economics I: Micro, Goal Area 5, 8. SPCH 1710 Fundamentals of Public Speaking (3 cr) is equivalent to MSUM COMM 100 Speech Communication MnTC Goal Area 1, 8. ENGL 1711 Composition I (4 cr) is equivalent to MSUM ENGL 101 English Composition I, Goal Area 1. CHEM 1700 Chemistry Concepts (4 cr) is equivalent to MSUM CHEM 102 Environmental Chemistry, Goal Area 3. CHEM 1711 Principles of Chemistry I (4 cr) is equivalent to MSUM CHEM 150/ 150L General Chemistry I, Goal Area 3. MATH 1730 College Algebra (3 cr) is equivalent to MSUM MATH 127 College Algebra, Goal Area 4. PSYC 1710 General Psychology (4 cr) is equivalent to MSUM PSY 113 General Psychology, 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 Service Technician (56 cr) Computer Network Engineering (44 cr) Computer Programming (44 cr) CyberSecurity (44 cr) Sheet Metal – HVAC Ducts & Fittings (37 cr) Visualization Technology (40 cr) | | | Technical Credits as prescribed in the program Additional credits up to 18 will be applied as unrestricted elective credits | | 30 Up to 18 | |

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

| | | | |
|--|---------|--|---------|
| Major, Emphasis, Unrestricted Electives Total | 37 - 56 | Total College Credits Applied (sum of sections A and B) | 60 - 64 |
| Special Notes: No more than 48 technical credits will be applied as elective credit. If the program doesn't have that many technical credits, that lower number of credits will be applied. | | | |

| SECTION C - Remaining University (receiving) Requirements | |
|--|----------------|
| course prefix, number and name | Credits |
| Remaining MnTC/ LASC Goal Requirements* | 10 - 17 |
| 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 |
| General Electives (if needed)** | 0 - 5 |
| Total Remaining University Credits² | 60 - 62 |
| Special Notes: * Goal areas must be met and 42 total MnTC/LASC credits earned. It is recommended that some LASC courses be taken at the upper division to help fulfill the 40 credit upper division requirement. **Number of elective credits required to bring the total of credits earned to 120 varies. | |

| SECTION D - Summary of Total Program Credits | | | |
|---|----------------|---|------------------|
| College (sending) Credits | | University (receiving) Requirements | |
| MnTC/General Education | 16 - 23 | | |
| Major, Emphasis, Unrestricted Electives or Other | 37 - 56 | | |
| Total College Credits | 60 - 72 | Total College Credits Applied | 60 - 64 |
| | | Remaining credit to be taken at the university (receiving institution) | 60 - 62 |
| | | 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.

| Two-Year College | Name | Signature | Date |
|---|-------------------|--------------------------|-----------|
| Chief Academic Officer | Dr. Kristen Raney | <i>Kristen A. Raney</i> | 2-10-21 |
| University | Name | Signature | Date |
| Department Chairperson | Pam McGee | <i>P. McGee</i> | 2.25.2021 |
| Academic Dean | Josh Behl | <i>J. Behl</i> | 2/25/2021 |
| Chief Academic Officer | Arrick Jackson | <i>[Signature]</i> | 3/3/21 |
| DARS Encoder | Jolene Richardson | <i>Jolene Richardson</i> | 3/22/21 |
| Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution. | | | |

