

MINNESOTA STATE COLLEGES AND
UNIVERSITIES*
ARTICULATION AGREEMENT
BETWEEN

Century College
AND
Metropolitan State University

*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 **Century College** (hereinafter sending institution), and **Metropolitan State University** (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 **Heating, Ventilation and Air Conditioning Technology A.A.S.** (hereinafter sending program), and the receiving institution has established an **Industrial Management B.A.S.** (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 **72-86 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 uSelect 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 **09/01/2013** and shall remain in effect until the end date of **09/01/2018** 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 **03/01/2018** (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

| | Century College (sending) | Metropolitan State University (receiving) |
|--|---|--|
| Institution | Century College | Metropolitan State University |
| Program name | Heating, Ventilation and Air Conditioning Technology | Industrial Management |
| Award Type (e.g., AS) | AAS | BAS |
| Credit Length | 64 (60 accepted in transfer) | 120 |
| CIP code (6-digit) | 47.020102 | 52.020501 |
| 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 | | | | | | |
|--|----------------------|---------|--|----------------------|-----------------|---------------|
| Century College (sending) | | | Metropolitan State 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 | | | | | | |
| ENGL 1021—Composition I | 1 | 4 | WRIT 131—Writing 1 (3) | 1 | 4 | Equiv |
| Select one of the following COMM courses: • COMM 1021—Fundamentals of Public Speaking • COMM 1031—Interpersonal Communication • COMM 1041—Small Group Communication • COMM 1051—Intercultural Communication | 1 | 3 | MnTC Goal 1 Elective | 1 | 3 | |
| MnTC Goal 3 and/or Goal 4 In Goal 4, Metropolitan State recommends either MATH 1040 or MATH 1025 | 3 or 4 | 3 | MnTC Goal 3 and/or Goal 4 Elective | 3 or 4 | 3 | |
| MnTC Goal 5 Metropolitan State recommends either ECON 1021 or ECON 1023 | 5 | 3 | MnTC Goal 5 Elective | 5 | 3 | |
| MnTC Goal 6 | 6 | 3 | MnTC Goal 6 Elective | 6 | 3 | |
| MnTC Goals 7, 8, 9, or 10—Choose three credits in one of the four goals. This requirement is fulfilled by COMM course (above) | 7, 8, 9, or 10 | 0 | | | | |
| MnTC Goals 1-10 | 1-10 | 4 | MnTC Goals 1-10 Elective | 1-10 | 4 | |
| MnTC/General Education Total | | 20 | | | | |
| Special Notes, if any: | | | | | | |
| <p align="center">SECTION B – Century College Major, Emphasis, Restricted and Unrestricted Electives or Other</p> <p>(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, microbiology, etc. which students can select).</p> | | | | | | |
| Major, Emphasis, Restricted, Unrestricted Electives or Other Courses | | | | | | |
| FST 1001—Facility Workplace Safety | | 2 | 40 of the 44 technical credits will transfer to the Industrial Management BAS program. | | 40 | |
| FST 1030—Basic Electricity | | 3 | | | | |
| FST 1033—Electric Motors and Electric Controls | | 3 | | | | |
| HVAC 1000—Sheet Metal and Metal Brazing Practices | | 2 | | | | |
| HVAC 1020—Load Calculating | | 2 | | | | |
| HVAC 1041—Basic Refrigeration I | | 3 | | | | |
| HVAC 1042—Basic Refrigeration II | | 3 | | | | |
| HVAC 1060—Fundamentals of Heating | | 2 | | | | |
| HVAC 1065—Oil Heating Service and Troubleshooting | | 3 | | | | |
| HVAC 1067—Gas Heat | | 4 | | | | |
| HVAC 1069—Heat Pumps, Chillers and Electric Heat | | 2 | | | | |
| HVAC 1070—Electronic Ignition and Condensing Furnaces | | 2 | | | | |
| HVAC 1073—Hydronic and Low-Pressure Steam Boilers | | 3 | | | | |
| HVAC 2051—Advanced Refrigeration I | | 4 | | | | |
| HVAC 2052—Advanced Refrigeration II | | 4 | | | | |
| WLDG 1001—Introduction to Oxyacetylene Welding | | 2 | | | | |
| Restricted elective credits - list courses (if none enter 0) | | 0 | | | | |
| Unrestricted elective credits (if none enter 0) | | 0 | College's unrestricted elective credits accepted in transfer (if none enter 0) | | | |
| Major, Emphasis, Unrestricted Electives Total Credits Accepted by the Industrial Management BAS Program | | 44 (40) | Total College Credits Applied (sum of sections A and B) | | 60 | |

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 Metropolitan State University (receiving) Requirements

| | course prefix, number and name | Credits |
|--|--|--------------|
| | Complete MnTC | 20 |
| | Liberal Studies (upper-division credits) | 8 |
| | MIS 100—Fundamentals of IT in Organizations | 4 |
| | MATH 115—College Algebra (or higher) (Century equivalent is MATH 1040) | 0-4 |
| | ECON 201—Macroeconomics (Century equivalent is ECON 1021) | 0-3 |
| | ECON 202—Microeconomics (Century equivalent is ECON 1023) | 0-3 |
| | STAT 201—Statistics I (Century equivalent is MATH 1025) | 0-4 |
| | ACCT 210—Financial Accounting | 4 |
| | DSCI 434—Introduction to Operations Management | 4 |
| | FIN 390—Principles of Finance | 4 |
| | MGMT 310—Management Principles and Practices | 4 |
| | MIS 310—Principles of MIS | 4 |
| | MKTG 300--Marketing Principles | 4 |
| | DSCI 420—Project Management | 4 |
| | DSCI 421—Project Planning and Budgeting | 4 |
| | MKTG 455—Supply Chain Management | 4 |
| | DSCI 350I—Internship Or DSCI 360I—Integrative Project | 4 |
| | University unrestricted elective credits not counted elsewhere (if none enter 0) | |
| | Total Remaining University Credits² | 72-86 |

Special Notes, if any:

SECTION D - Summary of Total Program Credits

| Century College (sending) Credits | | Metropolitan State University (receiving) Requirements | |
|--|-----------|---|----------------|
| MnTC/General Education | 20 | | |
| Major, Emphasis, Unrestricted Electives or Other | 44 | | |
| Total College Credits | 64 | Total College Credits Applied | 60 |
| | | Remaining credit to be taken at the university (receiving institution) | 72-86 |
| | | Total Program Credits | 132-146 |

Special Notes, if any:

Technical Course Credits:

- 40 credits from A.A.S. technical courses allowed toward B.A.S. degree

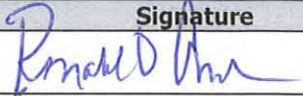


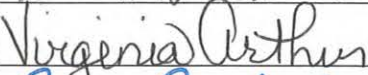
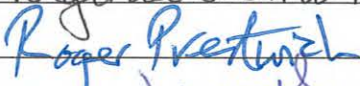

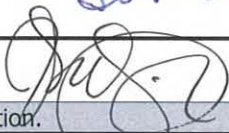
College of Management Residency Requirement:

- At least 20 credits in the Business Core and Industrial Management Required Courses must be completed at Metropolitan State.

Metropolitan State Graduation Requirements:

- Each course listed above (Section C) completed with C- or higher grade or S (Satisfactory)
- A minimum of 120 total acceptable unduplicated credits, including 40 credits of technical coursework from A>A>S> degree program
- A minimum of 40 upper-division credits
- A minimum of 30 credits must be completed at Metropolitan State University
- All GELS (General Education/Liberal Studies) requirements completed
- A minimum GPA (Grade Point Average) of 2.0 at Metropolitan State

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.

| Century College | | Name | Signature | Date |
|--|---------------------|---|-----------|------|
| President | Ron Anderson |  | 12/14/13 | |
| Chief Academic Officer | Suresh Tiwari |  | 12/9/13 | |
| Program Dean/Faculty | | | | |
| Metropolitan State University | | Name | Signature | Date |
| President | Sue Hammersmith |  | 11.26.13 | |
| Chief Academic Officer | Virginia Arthur |  | 11-25-13 | |
| College of Management Dean | Roger Prestwich |  | 11-1-13 | |
| Department Chair/Faculty | Jayant Saraph |  | 10/31/13 | |
| DARS Encoder | Amber Eisen-Ramgren |  | 10/21/13 | |
| Date when equivalencies were encoded in DARS by the receiving MnSCU institution. | | | | |

