| MINNESOTA STATE COLLEGES AND UNIVERSITIES* ARTICULATION AGREEMENT BETWEEN | LAKE AREA TECHNICAL INSTITUTE 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 LAKE AREA TECHNICAL INSTITUTE (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 INFORMATION SYSTEMS: PROGRAMMING SPECIALIST AAS (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 59.5 credits from the sending program. A total of 72 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 09/01/2014 and shall remain in effect until the end date of 09/01/2019 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 03/01/2019 (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 | Lake Area Technical Institute | Minnesota State University Moorhead |
| Program name | Computer Information Systems: Programming Specialist | Project Management |
| Award Type (e.g., AS) | AAS | BS |
| Credit Length | 74 | 120 |
| CIP code (6-digit) | 11.0701 | 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)[1] | Credits | course prefix, number and name | Goal(s)[1] | Credits Applied | EquivSub Wav |
| Minnesota Transfer Curriculum-General Education | | | | | | |
| Behavioral Science Course **Recommended PSYC 101 General Psychology* | | 3 | *PSY 113 General Psychology* | 5 | 3 | *Equiv* |
| Mathematics Course **Recommended MATH 102 College Algebra* | | 3 | *MATH 127 College Algebra* | 4 | 3 | *Equiv* |
| Communications Course **Recommended ENGL 101 Composition* | | 3 | *ENGL 101 English Composition* | 1 | 3 | *Equiv* |
| Communications Course **Recommended SPCM 101 Fund of Speech* | | 3 | CMST 100 Speech Communication | 1 | 3 | Equiv |
| ECON 201 Principles of Microeconomics I | | 3 | ECON 202 Microeconomics | 5 | 3 | Equiv |
| | | | | | | |
| **MnTC/General Education Total** | | 15 | | | | |

**Special Notes, if any:** * This course is recommended because it fulfills a requirement of the Liberal Arts & Sciences Curriculum (LASC) or the Project Management major.

Specific general education courses from LATI, but not all gen ed courses, will transfer to MSUM. **Students should work with their advisor at LATI and also MSU Moorhead to choose the best general education courses to take.**

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

**Other Possible General Education Equivalencies:**

ECON 202 Principles of Macroeconomics II is equivalent to MSUM ECON 204 Principles of Economics: Macroeconomics

SOC 100 Introduction to Sociology is equivalent to MSUM SOC 110 Introduction to Sociology

## 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 | | | | |
|---|---|---|---|---|
| CIS 140 Database Design & SQL | 3 | | | |
| CIS 141 Web Design & Maintenance | 3 | | | |
| CIS 170 Web 2.0 | 3 | | | |
| CIS 232 Advanced Visual Basic | 3 | | | |
| CIS 236 Intro to object-Oriented Programming | 3 | | | |
| CIS 276 Web Applications – PHP | 3 | | | |
| CIS 238 Advanced Object Oriented Programming | 3 | | | |
| CIS 240 Mobile Application Development | 3 | Electives | 44.5 | |
| CIS 272 Client Server Programming | 3 | | | |
| CIS 278 Advanced PHP Programming | 3 | | | |
| CIS 247 COBOL Programming | 3 | | | |
| CIS 255 Application Security | 3 | | | |
| CIS 270 Intro to Database Programming | 3 | | | |
| CIS 273 Web Applications -ASP | 3 | | | |
| CIS 290 System Analysis and Design | 2.5 | | | |
| | | | | |
| CIS 100 (3), AED 100 (.5), CSS 100 (.5), NET 111(3), CIS 132 (3), CIS 291 (.5), CIS 299(4) | 14.5 | Not Applicable | 0 | |
| **Major, Emphasis, Unrestricted Electives Total** | 59 | **Total College Credits Applied (sum of sections A and B)** | 59.5 | |

**Special Notes:** *This course is recommended because an equivalent course is required in the Project Management BS. ** Validation - to earn credit the student must complete a higher level course in the same rubric with a grade of C or higher or pass an examination.

## SECTION C - Remaining University (receiving) Requirements

| course prefix, number and name | Credits |
|---|---|
| MnTC/ Gen Ed remaining credits to complete LASC* | 24 |
| MATH 234 Probability & Statistics (Goal 4) | 3 |
| ACCT 230 Principles of Accounting I | 3 |
| ENGL 387 Technical Report Writing | 3 |
| FINC 340 Financial Management | 3 |
| MGMT 360 Principles of Management | 3 |
| MGMT 370 Management Information Systems | 3 |
| MGMT 456 Project Management in Business | 3 |
| MKTG 310 Principles of Marketing | 3 |
| OM 380 Methods Improvements | 3 |
| OM 394 Computer Applications in Business | 3 |
| OM 483 Cost Analysis | 3 |
| OM 482 Quality Planning & Implementation | 3 |
| PMGT 300 Project Management & Scheduling | 3 |
| PMGT 385 Process Leadership | 3 |
| PMGT 400 Advanced Project Management, Risk & Liability | 3 |
| PMGT 496 Project Management | 3 |
| | |
| *** MATH 127 College Algebra* | *(3)* |
| *** ECON 202 Microeconomics* | *(3)* |
| | |
| **Total Remaining University Credits**[2] | 72 |

**Special Notes, if any:** * Goal areas must be met and 42 total MnTC/ LASC credits earned. ** Required if equivalent course is not taken at LATI. (See above.)

| SECTION D - Summary of Total Program Credits | | | |
|---|---|---|---|
| **College (sending) Credits** | | **University (receiving) Requirements** | |
| **MnTC/General Education** | 15 | | |
| **Major, Emphasis, Unrestricted Electives or Other** | 59 | | |
| **Total College Credits** | 74 | **Total College Credits Applied** | 59.5 |
| | | **Remaining credit to be taken at the university (receiving institution)** | 72 |
| | | **Total Program Credits** | 131.5 |
| **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 | Kim Bellum | Kim Bellum | 8/28/14 |
| PRESIDENT<br>Title | Michael D. Cartney | | August 19, 2014 |
| **University** | Name | Signature | Date |
| Department Chairperson | Pam McGee | | 9/11/14 |
| Academic Dean | Dr. Marsha Weber | | 9-17-14 |
| Chief Academic Officer | Dr. Michelle Malott | | 9/19/14 |
| DARS Encoder | Tara Spletstoser | | 10/14/14 |
| Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution. | | | |