

MINNESOTA STATE COLLEGES AND
UNIVERSITIES*
ARTICULATION AGREEMENT
BETWEEN

LAKE SUPERIOR COLLEGE
AND
THE COLLEGE OF ST. SCHOLASTICA

*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 Superior College**, (hereinafter sending institution), and **The College of St. Scholastica**, (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 **Associate of Applied Science (AAS) in Computer and Web Programming** (hereinafter sending program), and the receiving institution has established a **Bachelor of Science (BS) in Computer Information Systems** (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 72 credits from the sending program. A total of 69 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 09/01/2022 and shall remain in effect until the end date of 09/01/2025 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 03/01/2025 (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	Lake Superior College	The College of St. Scholastica
Program name	Computer and Web Programming	Computer Information Systems
Award Type (e.g., AS)	AAS	BS
Credit Length	72	128
CIP code (6-digit)		
Describe program admission requirements (if any)		Cumulative GPA of at least a 2.0 for admission to the college.

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 Transferology 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.

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						
College level MATH or PHIL 1125	4	3-4	Veritas Math Foundations		3-4	
MnTC Electives: These courses are strongly recommended for students planning to transfer to St. Scholastica to pursue the CIS BS degree.	1	11-12	<ul style="list-style-type: none"> • ENGL 1109 satisfies First Year Composition • COMM 1100 or COMM 1105 satisfies Interpersonal Communication • Goal 3 courses from the list of Natural Science courses noted in special notes section will satisfy Veritas natural science requirement 		11-12	Sub
MnTC/General Education Total		15				

Special Notes, if any:

Students are encouraged to consult with a CSS advisor early to discuss the best options for satisfying the Veritas general education requirements for the BS degree.

The College of St. Scholastica accepts the Minnesota Transfer Curriculum (**MnTC**) to fulfill the Veritas General Education requirements except for a religious studies course and one St. Scholastica Integrations course.

Students who have not completed the MnTC may opt to complete courses at LSC that fulfill most of the College of St. Scholastica's general education requirements. Students must complete two Integrations courses at St. Scholastica and the remaining general education requirements can be met with approved transfer courses as noted below. Integrations courses are upper division (3000-4000 level) courses intended to be writing intensive.

	Veritas General Education Requirement	Lake Superior College courses that fulfill requirement
Foundations	First Year Composition	ENGL 1109 Composition II
	Interpersonal Communication	COMM 1100 Intro to Communication or COMM 1105 Interpersonal Communication
	Mathematics	MATH 1100, MATH 1105, MATH 1115, MATH 1125, MATH 1130, MATH 1150, MATH 2204, MATH 2205, MATH 2210 or PHIL 1125
Conceptions and Integrations	Natural Science	ASTR 1101, BIOL 1007, BIOL 1105, BIOL 1110, BIOL 1120, BIOL 1130, BIOL 1140, BIOL 1141; CHEM 1110, CHEM, 1111, CHEM 1210, CHEM 1211, ENSC 1200; GEOL 1110, GEOL 1125; PHYS 1001, PHYS 1201, or PHYS 1202
	Social Science	ANTH 1110, ECON 1100, ECON 1150, ECON 1160, PSCI 1110, PSCI 1120, PSCI 1130, PSCI 1140, PSYC 1120, PSYC 1135, PSYC 1140, PSYC 2135, SOC 1111, SOC 1125, SOC 1140, SOC 1145, SOC 1155, SOC 1165, SOC 1185, SOC 2120, SOC 2123, SOC 2125
	Literature	ENGL 1112, ENGL 2020, ENGL 2022, ENGL 2024, ENGL 2026, ENGL 2101, ENGL 2102, ENGL 2105, ENGL 2106, ENGL 2108, ENGL 2110, ENGL 2112 ENGL 2114, ENGL 2116, ENGL 2120, ENGL 2130, ENGL 2132, ENGL 2140, ENGL 2148, or ENGL 2150
	Philosophy	Students are encouraged to complete PHL 3354 at CSS to fulfill Integrations requirement
	Fine Arts	ART 1110, ART 1111, ART 1112, ART 1113, ART 1118, ART 1120, ART 1122, ART 1124, ART 1125, ART 1138, ART 1162, ART 1165, ART 1168, ART 1170, ART 1500, ART 1510, ART 1520, ART 2100, HUM 1120, HUM 1123, HUM 2015, MUSC 1108, MUSC 1110, MUSC 1120, THTR 1100, THTR 1210, THTR 1211
	History	HIST 1110, HIST 1120, HIST 1130, HIST 1135, HIST 1210, HIST 1220, HIST 1230, HIST 2110, HIST 2115, HIST 2125, HIST 2130, HIST 2225
	Religious Studies	HUM 1130 World Religion or students can complete requirement at CSS
	Veritas Elective*	Fulfilled by MGT 3150 in CIS Curriculum (Integrations course)

Please note that students admitted as first-year students must also complete the Dignitas requirement and the Language requirement unless otherwise exempt.

Grades earned must be a C- or better for transfer. For an evaluation of transfer credit an official transcript must be sent directly to The College of St. Scholastica.

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 1402 Foundations of CIS	3	CIS 1001: Computer Science Principles	3	Equiv
CIS 1406 HTML/CSS	3	CIS 3034 Client-Side Development (May be applied toward the Software Development Concentration)	3	Sub
CIS 1408 Scripting and Frameworks	4	General elective	4	
CIS 1410 Web Site Design	3	General elective	3	
CIS 1412 Web Graphics I	3	General elective	3	
CIS 1415 Introduction to Programming	4	CIS 2011: Computer Architectures	4	Sub
CIS 1420 Advanced Web Site Design	4	CIS 4041 Web Design	4	Sub
CIS 1430 Data Analytics Fundamentals	3	General elective	3	
CIS 1610 Server-side Scripting	4	CIS 4034 Server-Side Web Dev (May be applied toward the Software Development Concentration)	4	Sub
CIS 2620 Game Development and Object-Oriented Programming	4	CIS 2087: Programming II with Java	4	Sub
CIS 2621 Advanced Game Development and Object-Oriented Programming	4	CIS 3230 Game Design & Modeling (May be applied toward the Software Development Concentration)	4	Sub
CIS 2635 Java Programming	3	CIS 2085: Programming I with Java	3	Sub

CIS 2640 Mobile App Development	3	General Elective	3	
CIS 2980 Internship	1	General Elective	1	
CIS 2987 CIS Capstone	3	General Elective	3	
Technical Electives - Choose 8 credits from the following: CIS 1810 Security Fundamentals (3 credits) Any CIS course (except CIS 1400) CIS 1745 Unix System Administration (3 credits) CIS 2972 SQL Server Administration (3 credits) CIS 2560 Web Server Administration (3 credits) CIS 2976 Emerging Technologies (1 credit) CIS 2980 Internship (1-4 credits) CIS 2999 Special Topics in Computer Information Systems	8	Students should complete CIS 1810 as a technical elective. CIS 1810 Security Fundamentals fulfills CIS 4042 Computer Security and may be applied toward the Software Development Concentration	8	Sub
Major, Emphasis, Unrestricted Electives Total	57	Total College Credits Applied (sum of sections A and B)	72	

SECTION C - Remaining University (receiving) Requirements

	course prefix, number and name	Credits
	CIS 3107 Database Modeling	4
	CIS 3108 Systems Analysis & Design	4
	CIS 4108 Project Management	2
	CIS 4109 Capstone Project	4
	CIS 4555 Systems Development Internship (4-16 cr)	1
	Software Development Concentration: Students may transfer CIS 1406, CIS 1610, CIS 2621 and CIS 1810 to fulfill some of the course requirement for the software development concentration. They will need to complete the remaining concentration courses at CSS. CIS 3089 Data Structures 4 cr. CIS 3285 Software Design 4 cr. CIS 3334 Mobile Device Programming 4 cr. CIS 3115 Machine Learning 4 cr.	16
	MGT 3150/ENG 3364 Management Communication (Integrations course)	4
	**Students are encouraged to consult with a St. Scholastica advisor early to discuss the best options for satisfying the Veritas general education requirements for the BS degree. See Section A - Special Notes for transfer options for these Veritas General Education requirements. *Math – Met by Goal 4 math course as noted in section A *First Year Composition- May be met by ENLG 1109 from LSC. *Interpersonal Communication- May be met with COMM 1100 or COMM 1105 from LSC. *Social Science (4 cr) *Literature (4 cr) *Natural Science (4 cr) *History (4 cr) *Fine Arts (4 cr) *Philosophy (4 cr) Religious Studies (4 cr) Veritas elective – Met with MGT 3150 in the CIS major	**34
	General Elective credits	0
	Total Remaining University Credits²	69

Special Notes, if any:

*The College of St. Scholastica accepts the Minnesota Transfer Curriculum (MnTC) as satisfying the Veritas general education requirements except for the religious studies requirement and one Veritas Integrations course. The course requirements noted with an asterisk in section C are satisfied by the completed MnTC.

The following minimum College requirements must be met for the bachelor's degree:

1. Satisfactorily complete a minimum of 128 semester credits including:
 - Forty-two upper-division credits (numbered 3000 or above).
 - A major program as stipulated by a department or advisor.
 - Achieve a minimum GPA of 2.0 in the major as well as an overall "C" average.
2. Fulfill the residence requirement:
 - The last 32 credits before graduation must be earned at The College of St. Scholastica.
 - A minimum of 16 credits must be earned in a major field at The College of St. Scholastica.
 - Cross-registered courses may count toward residence; CLEP and Portfolio Assessment credits must be earned before the final 32 credits.
3. Complete the general education requirements. Requirements for some majors are more stringent than these minimums.
4. The maximum number of physical education credits that can count toward graduation is 8.

² At least 42 of the required credits for the baccalaureate degree shall be at the upper-division level.

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	15		
Major, Emphasis, Unrestricted Electives or Other	57		
Total College Credits	72	Total College Credits Applied	72
		Remaining credit to be taken at the university (receiving institution)	69
		Total Program Credits	141
Special Notes, if any:			

College	Name	Signature	Date
Vice President for Academic and Student Affairs	Linda Kingston	<i>Linda Kingston</i>	11-22-22
University	Name	Signature	Date
President	Dr. Barbara McDonald	<i>Barbara McDonald</i>	11.15.2022
Vice President for Academic Affairs	Dr. Ryan Sandefer	<i>Ryan Sandefer</i>	11.15.22
Academic Dean	Dr. Brenda Fischer	<i>Brenda Fischer</i>	11/15/2022
DARS Encoder			
Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution.			