

MINNESOTA STATE COLLEGES AND
UNIVERSITIES*
ARTICULATION AGREEMENT
BETWEEN

Lake Superior College
and
St. Cloud 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 **Lake Superior College** (hereinafter sending institution), and **St. Cloud 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 **Medical Laboratory Technician, AAS degree** (hereinafter sending program), and the receiving institution has established a **Medical Laboratory Science, BS degree** (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 65 credits from the sending program. A total of 79 credits remain to complete the receiving program (less depending on Liberal Education Goal areas completed).
- 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 Transferology.

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 8/22/2016 and shall remain in effect until the end date of 6/30/2021 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 1/1/2021 (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	St. Cloud State University
Program name	Medical Laboratory Technician	Medical Laboratory Science
Award Type (e.g., AS)	AAS	BS
Credit Length	65	65
CIP code (6-digit)	51.1004	51.1005
Describe program admission requirements (if any)	Application to the college, application to the program.	Application to the college, application to the program.

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	Equiv Sub Wav
Minnesota Transfer Curriculum-General Education						
BIOL1140 Anatomy and Physiology I	3	4	BIOL202 Anatomy and Physiology I	3	4	Equiv
BIOL1141 Anatomy and Physiology II	3	4	BIOL204 Anatomy and Physiology II	3	4	Equiv
ENGL1106 College Composition I	1	3	ENGL100 College Composition I	1	3	Equiv
PSYC1135 Lifespan Development or PSY1120 General Psychology or SOC1111 Introduction to sociology	5	3	Liberal education requirement	5	3	Equiv
CHEM1110 Aspects of Chemistry I	3	3	Liberal education requirement	3	3	Equiv
MnTC/General Education Total		17				

Special Notes, if any:

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

SECTION B - Major, Emphasis, Restricted, 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				
Program Courses: MLT Didactic Courses				
MLTN1400 Introduction to Medical Laboratory Techniques and Instrumentation	4	MLS 200 Medical Laboratory Basics + MLS299 Medical Laboratory Basics (will see if can change name)	2+2	Equil
MLTN1420/2420 Hematology/Special Hematology	6*	MLS 301 Medical Hematology	4	Equil
MLTN1428/2428 Clinical Chemistry/Special Clinical Chemistry	6*	MLS 302 Medical Chemistry	4	Equil
MLTN1410 Immunology and Serology	3*	MLS 303 Medical Immunology	2	Equil
MLTN1422/2422 Medical Microbiology/Special Microbiology	7	MLS 304 Medical Microbiology	7	Equil
MLTN1426/2426 Immunohematology/Special Immunohematology	4*	MLS 305 Medical Immunohematology	3	Equil
MLTN1424 Urinalysis and Body Fluids	2	MLS 306 Medical Microscopy and Urinalysis	2	Equil
Program Courses: MLT Clinical Courses				
MLTN2505 Clinical Practicum I: Hematology, Phlebotomy, Clinical Chemistry, Coagulation, and Urinalysis	6	MLS 301 Applied Medical Hematology	2	Equil
		MLS 302 Applied Medical Chemistry	2	
		MLS 306 Applied Medical Phlebotomy and Urinalysis	2	
MLTN2500 MLT Seminar + MLTN2510 Clinical Practicum II: Medical Microbiology and Immunohematology	1 + 6	MLS 304 Applied Medical Microbiology + MLTN2500 MLT Seminar MLS 305 Applied Medical Immunohematology	4+1 + 2	Equil
FYE1000 Student Success Seminar	1	Elective	1	
ALTH1410 Medical Terminology	1	Elective	1	
Didactic and clinical courses total	47		41	
Restricted elective credits - list courses (if none enter 0)		Restricted elective credits - list courses (if none enter 0)		
ALTH 1440 Medical Ethics and the Law	1			
*Credits in these courses accepted as Elective credits; see column on right		*Credits in these courses accepted as Elective credits, noted this way as SCSU MLS courses not set beyond credit values above, so to include all MLTN credits from LSC indicated extra credits here	6	
Unrestricted elective credits (if none enter 0)	0	College's unrestricted elective credits accepted in transfer (if none enter 0)	0	
Major, Emphasis, Unrestricted Electives Total	48	Total College Credits Applied (sum of sections A and B)	65	

SECTION C - Remaining University (receiving) Requirements

	course prefix, number and name	Credits
	BIOL 151 Cell Function and Inheritance ¹	4
	CHEM 210 General Chemistry I ²	4
	CHEM 211 General Chemistry II ³	4
	MATH 112 College Algebra ⁴	3
	ENG 291 Introduction to Writing for Transfer Students ⁵	2
	STAT 193 Statistical Methods for Natural Sciences ⁶	3
	CMST 192 Introduction to Communication Studies ⁷	3
	PHIL 212 Moral Problems and Theories	3
	CHEM 240 Basic Organic Chemistry	4
	CHEM 241 Basic Biochemistry	4
	MLS 310 Anatomy and Physiology for MLS majors	2
	MLS 312 Molecular Pathology for MLS Majors	3
	MLS 401 Advanced Clinical Hematology	2
	MLS 401 Advanced Applied Clinical Hematology	2
	MLS 402 Advanced Clinical Chemistry	2
	MLS 402 Advanced Applied Clinical Chemistry	2
	MLS 403 Advanced Clinical Immunology and Molecular Genetics	1
	MLS 403 Advanced Applied Clinical Immunology and Molecular Genetics	1
	MLS 404 Advanced Clinical Microbiology	2
	MLS 404 Advanced Applied Clinical Microbiology	2
	MLS 405 Advanced Clinical Immunohematology	2
	MLS 405 Advanced Applied Clinical Immunohematology	2
	MLS 406 Advanced Clinical Urinalysis and Body Fluids	1
	MLS 406 Advanced Applied Clinical Urinalysis and Body Fluids	1
	MLS 407 Advanced Laboratory Management and Education	1
	MLS 407 Advanced Applied Clinical Lab Management and Education	1
	University unrestricted elective credits not counted elsewhere (if none enter 0)	
	Liberal Education (Goals 2, 5, 6, 7, 8, 9, and 10)	
	NOTE: If you have completed the Minnesota Transfer Curriculum from a regionally accredited institution, you have completed the listed goal areas and do not need to complete these credits.	18
	Total Remaining University Credits	79

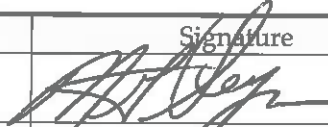

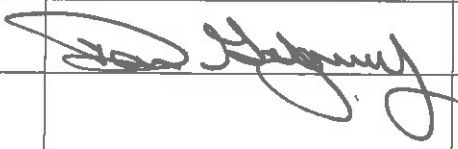

Special Notes, if any: ¹BIOL151 Cell Structure and Function or can substitute the following, BIOL1120, ²CHEM1210 General Chemistry I at LSC ³CHEM1211 General Chemistry II at LSC ⁴MATH1100 College Algebra at LSC ⁵ENGL1109 College Composition II at LSC, ⁶MATH2210 General Statistics, ⁷COMM1100 Introduction to Communication or can substitute COMM1105 Interpersonal Communication at LSC. Transferring MLT students from LSC will have to fulfill a minimum of 30 credits in residence at SCSU, this would include the MLS classes plus any general education classes.

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	17		
Major, Emphasis, Unrestricted Electives, or Other	48		
Total College Credits	65	Total College Credits Applied	65
		Remaining credit to be taken at the university (receiving institution)	79
		Total Program Credits	144

Special Notes, if any:

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	Michael Seymour		10/13/16
Dean of Allied Health	Laurie Jensen		10/11/16
University	Name	Signature	Date
Chief Academic Officer			
Title			
DARS Encoder	Ashtley Schaffer		10/26/16
Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution.			