

MEDICAL LABORATORY SCIENCE, B.S. (STLCC 2+SLU)

This program plan is part of the formal 2+SLU transfer agreement between St. Louis Community College and Saint Louis University.

Students in this program will satisfy the degree requirements published in the 2025-2026 academic catalog at St. Louis Community College and the 2026-2027 academic catalog at SLU. Students must complete all courses and transfer to SLU by the fall 2029 semester.

Students who plan to transfer to SLU after fall 2029 should contact a transfer admission counselor (<https://www.slu.edu/admission/transfer/contact.php>) to explore options.

Students who have been following a program plan from a previous year's academic catalog can reference their older program plan version by reviewing our previous catalogs (<https://catalog.slu.edu/previous-catalogs/>).

For additional information see the catalog entry for:

Medical Laboratory Science, B.S. (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/medical-laboratory-science-bs/>)

Admission Requirements

- Students must complete all the courses outlined on the program plan unless an exception is approved by SLU.
- Students must complete an application for admission.
- Students may be subject to admission review under circumstances outlined in the admission policies (<https://catalog.slu.edu/academic-policies/office-admission/undergraduate/admission-policies/>).
- Students must present a 3.00 cumulative college GPA at the time of transfer to SLU.
- **This program plan is structured for a spring semester start at SLU.** Students wishing to start at SLU in the fall semester may contact SLU to explore their options.
- The number of students admitted into each MLS spring semester cohort is based on the availability of clinical placement sites for practicum experiences. No student will be admitted until clinical placement for practicum experiences has been secured. While uncommon, it is possible for admission to be delayed until the next cohort if clinical placement is not secured. To help ensure placement in the desired cohort, students should apply to SLU at least one semester before their desired start term.

Program Plan

Program plans provide a guided pathway for students to earn an associate degree at their home institution and a bachelor's degree at Saint Louis University. Students may change the sequence in which they complete courses at their home institution. Students who complete a course that is not part of this program plan are encouraged to contact SLU to see if the course could be substituted.

St. Louis Community College Courses

Transfer Course	Transfer Course Title	Transfer Course Credits	Equivalent SLU Course	Equivalent SLU Credits
Year One				
Fall				
BIO 140	Principles of Biology I (MOTR BIOL 150L) ** §	5	BIOL 1ELE	5
CHM 105	General Chemistry I (MOTR CHEM 150L) **	5	CHEM 1110 and CHEM 1115	5
ENG 101	College Composition I (MOTR ENGL 100)	3	ENGL 1500	3
MTH 185	Precalculus (MOTR MATH 150) **	5	MATH 1400	5
Credits		18		18
Spring				
BIO 141	Principles of Biology II ** §	4	BIOL 1ELE	4
CHM 106	General Chemistry II **	5	CHEM 1120 and CHEM 1125	5
COM 107	Public Speaking (MOTR COMM 110)	3	CMM 1200	3
ENG 102	College Composition II (MOTR ENGL 200)	3	ENGL 1900	3
Credits		15		15
Year Two				
Fall				
BIO 207	Anatomy and Physiology I (MOTR LIFS 150LAP) ** ‡	4	HSCI 3300 and HSCI 3310	4
CHM 206 and CHM 210	Organic Chemistry I and Lab **	5	CHEM 2410 and CHEM 2415	5
PHL 101	Introduction to Philosophy (MOTR PHIL 100)	3	PHIL 1700	3

Choose one: 3 CORE 3400 3
 ART 102
 (ARTH 1010),
 ART 103
 (ART 2800),
 ENG 204
 (ENGL 3270),
 ENG 205
 (ENGL 3280),
 ENG 211
 (ENGL 3260),
 HST 115
 (HIST 1110),
 HST 128
 (HIST 1120),
 HUM 109
 (HIST 1ELE),
 HUM 110
 (HIST 1ELE),
 MCM 131
 (FMST 1450),
 MUS 113
 (MUSC 1150),
 MUS 114
 (MUSC 1000),
 MUS 128
 (MUSC 1000),
 THT 101
 (THR 1500)

Choose one: 3 CORE 2800 3
 ART 109
 (ART 2000),
 ART 113
 (ART 2400),
 ART 115
 (ART 2300),
 ART 116
 (ART 2450),
 ART 165
 (ART 2600),
 ART 172
 (ART 2650),
 ART 275
 (ART 2650),
 COM 111
 (CMM 1ELE),
 ENG 110
 (ENGL 3100),
 ENG 114
 (ENGL 3070),
 ENG 202
 (ENGL 3070),
 ENG 224
 (ENGL 3060),
 ENG 225
 (ENGL 3050),
 ENG 233
 (ENGL 3080),
 MCM 134
 (CMM 2510),
 THT 108
 (THR 2510)

		Credits	18		18
Spring					
BIO 208	Anatomy and Physiology II ** ‡	4		HSCI 3400 and HSCI 3410	4
BIO 225	Genetics ** †	3		BIOL 3030	3

Choose one: 3
 ANT 101
 (ANTH 1200),
 ANT 102
 (ANTH 2200),
 COM 200
 (CMM 3300),
 CRJ 122
 (CCJ 1010),
 ECO 140
 (ECON 1900),
 ECO 151
 (ECON
 1ELE*), ECO
 152 (ECON
 1ELE*),
 GEG 101
 (SOC 1180),
 MCM 101
 (CMM 2400),
 PSC 101
 (POLS 1100),
 PSC 201
 (POLS 1600),
 PSY 200
 (PSY 1010),
 SOC 204
 (SOC 3430)

Social & Behavioral Sciences Course	3	Elective	3
Social & Behavioral Sciences: Civics Course	3	Elective	3
Credits	16		16
St. Louis Community College Total Credits	67		67

Note: This program plan is structured for a Spring semester start at SLU and will take 5 semesters to complete. Students wishing to start at SLU in the Fall semester may contact SLU to explore their options.

* ECO 151 (ECON 1ELE) and ECO 151 (ECON 1ELE) must be completed to transfer credit for ECON 1900 which fulfills SLU's CORE 3600 requirement.

** This course must be passed with a grade of "C" or higher. SLU must review this course if it is transferred from another institution or testing service.

‡ BIO 207 (HSCI 3300/3310) and BIO 208 (HSCI 3400/3410) are combined to substitute for ANAT 1000 and PPY 2540 at SLU. Both courses must be completed.

† BIO 225 (BIOL 3030) is substituted for BIOL 3020.

§ BIO 140 and BIO 141 transfer as BIOL 1240/BIOL 1245 and BIOL 1260/1265.

Note: This program plan lists more than the 60 credit hours required for the AA degree at STLCC and these additional credits may not qualify for

financial aid. Students may contact SLU to explore taking Summer term courses at SLU.

Saint Louis University Courses

Course	Title	Credits
Year Three		
Spring		
BLS 3110	Urinalysis & Body Fluids	2
BLS 4130	Principles & Techniques in Molecular Biology	2
CORE 1000	Ignite First Year Seminar	2,3
CORE 1500	Cura Personalis 1: Self in Community	1
CORE 1600	Ultimate Questions: Theology	3
MLS 3150	Urinalysis and Immunology Laboratory	1
STAT 1300	Elementary Statistics with Computers	3
Credits		14-15
Year Four		
Fall		
BLS 4110	Medical Biochemistry I	3
BLS 4411	Fundamentals of Immunology	2
BLS 4510	Medical Microbiology	4
MLS 3210	Clinical Education & Laboratory Management	2
MLS 3400	Laboratory Operations	1
MLS 4150	Analytical Chemistry	2
Credits		14
Spring		
BLS 4120	Medical Biochemistry II	2
BLS 4220	Hemostasis and Thrombosis	2
BLS 4310	Immunohematology	3
BLS 4420	Medical Immunology	2
CORE 2500	Cura Personalis 2: Self in Contemplation	0
MLS 4350	Immunohematology Laboratory	1
MLS 4520	Medical Bacteriology	2
MLS 4550	Medical Bacteriology Laboratory	2
Credits		14
Year Five		
Fall		
BLS 4210	Hematology	4
HSCI 3700	Research Methods	3
MLS 4250	Hematology Laboratory	1
MLS 4541	Medical Mycology and Parasitology	3
CORE Requirement		3
Equity and Global Identities: Dignity, Ethics, and a Just Society		
Equity and Global Identities: Global Interdependence		
Equity and Global Identities: Identities in Context		
Credits		14
Spring		
MLS 4611	Advanced Topics and Case Correlations	2
MLS 4701	Clinical Chemistry Practicum	3
MLS 4710	Clinical Chemistry	1

MLS 4740	Clinical Hematology Practicum	2
MLS 4750	Clinical Hematology	1
MLS 4770	Clinical Phlebotomy Practicum	1
MLS 4780	Clinical Immunohematology Practicum	2
MLS 4790	Clinical Immunohematology	1
MLS 4800	Clinical Microbiology Practicum	3
MLS 4811	Clinical Microbiology	1
MLS 4820	Clinical Urinalysis Practicum	1
Credits		18
Total Credits		74-75

Contact Us

For additional questions, please contact:

Transfer Admission
314-977-2500
transfer@slu.edu