

SCSU BS Medical Laboratory Science (MLS) Completion Program (2+2) Medical Laboratory Science Major Program Director Louise Millis (contact information below)		
Medical Laboratory Technician (MLT) Curriculum Map below (1 st four semesters) with Pre-Requisite Course Work (course work not completed in students MLT program is completed as part of the MLS Completion (2+2) Program MLS Completion Program Course Work follows MLT Curriculum Map		
Requirements for Admission to the MLS Completion Program MLS Application (link: https://www.stcloudstate.edu/programs/medical-laboratory-science/details.aspx) Current MLT Certification Employment as an MLT in a Clinical System that will Support their Clinical Internship		
First Semester	Second Semester	
BIOL 103 (3cr) Human Biology or BIOL 202 A&PI +BIOL 204 A&PII CHEM 210 (4cr) General Chemistry I MATH 112 (3cr) College Algebra MLS 200 (2cr) Medical Lab Basics & Instrumentation ¹ PHIL 194 (3cr) Clinical Reasoning Total semester credits= 15	BIOL 151 (4cr) Cell Function and Inheritance CHEM 211 (4cr) General Chemistry 2 NHCC ENGL 1201 (4cr) College Writing I MLS 303 (2 cr) Medical Immunology MLS 306 (2cr) Medical Microscopy & Urinalysis Total semester credits=16	
Third Semester	Fourth Semester - <i>MLT-level clinical rotations</i>	
MLS 301 (4cr) Medical Hematology MLS 302 (4cr) Medical Chemistry MLS 304 (4cr) Medical Microbiology MLS 305 (3cr) Medical Immunohematology - Total semester credits=15	MLS 301 (cr) Applied Medical Hematology MLS 302 (2cr) Applied Medical Chemistry MLS 304 (2cr) Applied Medical Microbiology MLS 305 (2cr) Applied Medical Immunohematology MLS 306 (2cr) Applied Medical Phlebotomy & Urinalysis CMST 192 (3cr) Introduction to Communication Studies Total semester credits=14	
Full-Time, Two-Year Curriculum and Suggested Sequence (Total Program Cr. 60) <i>¹Students must complete SCSU Graduation Requirements including all 10 Goal areas of the Liberal Education Courses (MnTransfer), below are two courses that are needed, the ENGL is covered under Goal 1, the STATs is a program requirement</i>		
ENGL 191 (4cr) Introduction to Rhetorical & Analytical Writing – student may need ENGL 291 (2cr) Introduction to Analytical and Rhetorical Writing (for transfer students, to complete ENGL requirement) STAT 193 (3cr) Statistical Thinking or STAT 239 (3cr) Statistical Methods I for Natural Sciences		
Fifth Semester	Sixth Semester	Summer Session
² CHEM (3cr) An Organic Chemistry Course approved my Program Director MLS 310 (2cr) Anatomy & Physiology for MLS majors MLS 407 (2cr) Advanced Laboratory Management an Education Total semester credits=7	² MLS 499 (2cr) Clinical Biochemistry MLS 312 (2cr) Molecular Pathology for MLS Majors MLS 406 (2cr) Advanced Clinical Urinalysis and Body Fluids Total semester credits=6	MLS 403 (2cr) Advanced Clinical Immunology and Molecular Genetics Total semester credits=2
Seventh Semester	Eighth Semester	Summer/Fall/Beyond <i>MLS-level clinical internship</i>
MLS 401 (2cr) Advanced Clinical Hematology MLS 404 (3cr) Advanced Clinical Microbiology Total semester credits=5	MLS 402 (3cr) Advanced Clinical Chemistry MLS 405 (3cr) Advanced Clinical Immunohematology Total semester credits=6	MLS 401 (2cr) Advanced Applied Clinical Hematology MLS 402 (2cr) Advanced Applied Clinical Chemistry MLS 404 (2cr) Advanced Applied Clinical Microbiology MLS 405 (2cr) Advanced Applied Clinical Immunohematology MLS 406 (1cr) Advanced Applied Urinalysis and Body Fluids MLS 407 (1cr) Adv. Applied Clinical Lab. Management and Education MLS 444 (2cr) Board of Certification Review Total semester credits=12

¹SCSU graduation requirements; finalized by Records and Registration, include the following:

1. Completion of 40 liberal education courses, supporting sciences and math courses, and all MLS courses.
2. A student shall earn a minimum of 30 semester credits from St Cloud State University.
3. A student must complete 40 credits in upper-division (300-400) courses.

² Organic chemistry and MLS 499 Clinical Biochemistry can be taken before admitted to the program, note completion of these classes does not guarantee admittance. If admitted into program, MLS 499 Clinical Biochemistry must be completed or taken concurrently with MLS 402.

Contact Information

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Program Accreditation

Program is Accredited

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
5600 North River Road, Suite 720
Rosemont, IL 60018-5119
Phone: 847-939-3597
Web-site: www.naacls.org

To receive this information in an alternative format, call

NHCC: 763-493-0555 (763-493-0558 TTY)
SCSU: 320-308-4080 ((320) 308-4704 TTY)