



Department of Clinical Laboratory Sciences
 MLT to Online BS in Medical Laboratory Science Career Ladder Curriculum

Associate Degree in Medical Laboratory Technology from a NAACLS Accredited Institution or approved military training program

(Credit hours from this and all previous coursework must be transferred to MU for evaluation—some previously completed coursework may satisfy some of the core curriculum requirements listed below. The MLS program director will evaluate your transcript once all previous coursework has been transferred and advise on specific courses that will need to be taken to meet core requirements)

Additional Coursework for online BS in Medical Laboratory Science

Transfer students with 30 or more college credits are exempt from FYS and one CT course, but must complete one CT course, all of Core II and the additional University requirements. Effective Fall 2018, transfer students with 60 or more college credits are exempt from all of Core I (FYS and both CT courses) but must complete all of Core II and the additional University requirements. Core II may be fulfilled through a combination of transfer and Marshall credit hours.

For more information on Core Curriculum requirements, visit the [General Education website](#)

University Core Curriculum Requirements (required for all MU Bachelor degrees)			Hours
Critical Thinking Elective***	3	Social Science	3
Composition	6	Humanities	3
Communication	3	Fine Arts	3
Math	3	Writing Intensive Course Elective***	6
Physical or Natural Science	4	Multicultural or International Elective	3
BS in Medical Laboratory Science specific required courses			
CHM 327 Introduction to Organic Chemistry	3	STA 225, Statistics	3
ECN 200 or 250, MGT 320 Economics	3	CLS 320, Advanced Topics in CLS	3
CLS 400 Advanced Clinical Chemistry ***	2	CLS 310 Clin. Immun. & Mol. Diagnostics	3
CLS 410 Advanced Immunohematology***	2	CLS 466 Diagnostic Physiology (WI) ***	3
CLS 420 Advanced Clinical Microbiology***	2	CLS 468 Senior Research (Capstone/ WI) ***	3
CLS 430 Advanced Hematology	3	CLS 472 Advanced Clinical Practicum I	3
CLS 460 Laboratory Mgt. and Education	3	CLS 473 Advanced Clinical Practicum II	3
CLS 499 Seminar in Laboratory Medicine	2	CLS 464 Laboratory Instrumentation	3

****BS in Medical Laboratory Science = minimum of 120 total credit hours**

***All Critical Thinking Electives waived if student transfers more than 60 credit hours

***These courses are all 8 weeks courses only offered in the final fall term of the program. CLS 400 is 1st 8 weeks, CLS 410 2nd 8 weeks, CLS 420 2nd 8 weeks. MLS electives are meant to be courses that enrich the MLS student and specific options are available for students.

***CLS 466 and 468 are both designated as writing intensive courses that will fulfill the required 6 credit hours for the University core curriculum. CLS 468 is also the capstone course required for the core curriculum.