

MS IN MLS CURRICULUM

MS in MLS students must complete a minimum of 33 credits of degree coursework specifically including: **9 credits of Foundations Courses**, **12 credits Core Courses**, and at least **12 credits of Elective Courses**

Foundations Courses = All Listed Courses Required (9 Credits)

Course #	Course Title	Credits
MLS 515	Capstone in Medical Laboratory Science*	2
MLS 524	Current Trends and issues for the Laboratory Professional*	2
MLS 525	Professional Communication in the Medical Laboratory**	3
MLS 997	Independent Study	2

*Includes 1-4 synchronous online meeting dates; **This course must be completed during your first semester of coursework

Core Courses[†] = 4 Courses Required (minimum of 12 Credits)

Course #	Course Title	Credits
MLS 502	Advanced Clinical Hematology: Erythrocytes	3
MLS 503	Advanced Clinical Hematology: Leukocytes	3
MLS 506	Advanced Clinical Chemistry	3
MLS 507	Advanced Clinical Immunohematology	3
MLS 513	Advanced Clinical Immunology	3
MLS 518	Advanced Molecular Diagnostics	3
MLS 522	Advanced Clinical Bacteriology	3
MLS 523	Advanced Non-Bacterial Microbiology	3
MLS 526	Advanced Clinical Hemostasis	3

Elective Courses[†] = 3 Courses Required (minimum of 12 Credits)

Course #	Course Title	Credits
MLS 501	Advanced Laboratory Practice: Technical Concepts	3
MLS 505	Advanced Laboratory Practice: Financial Management	3
MLS 509	Medical Laboratory Education: Teaching Principles	3
MLS 516	Special Topics ⁺⁺⁺	1-4
MLS 517	Advanced Laboratory Practice: Administrative Concepts	3
MLS 527	Medical Laboratory Education: Assessment and Accreditation	3
MLS 530	Medical Laboratory Leadership: Principles & Practice	1
MLS 531	Medical Laboratory Leadership: Practical Applications	1
MLS 532	Medical Laboratory Leadership: Conflict Resolution	1
MLS 589	Readings in Medical Laboratory Science	1
MLS 590	Project Development	1
MLS 591	Directed Studies in Laboratory Medicine (topic TBD) ⁺⁺⁺	1-4

[†] Any Core Course taken beyond the required 12 credits will be counted as an Elective Course