

MEDICAL LABORATORY SCIENCE (MLT TO MLS PATHWAY)

Contacts

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Program Description

Professionals in Medical Laboratory Science conduct health screening tests for diabetic and cardiac risk, examine patient specimens for the presence of infectious microorganisms, type and cross-match blood for transfusion, detect specific blood cells to reveal leukemia and measure a patient's response to medications and therapies and develop and manage complex technical systems to assist in performing these tests.

Curriculum: 4 years, 41 credits

- Credits Required for Admission: Up to 80

Course	Title	Credits
First Year		
Fall		
MLSO 323	Clinical Chemistry I	2
MLSO 341	Clinical Hematology I	2
Credits		4
Spring		
MLSO 324	Clinical Chemistry II	2
MLSO 343	Clinical Hematology II	2
Credits		4
Summer		
MLSO 430	Laboratory Standard & Practice	3
Credits		3
Second Year		
Fall		
MLSO 301	Molecular Biology	3
MLSO 312	Clinical Microbiology I	2
Credits		5
Spring		
MLSO 310	Intro to Molecular Diagnostics	1
MLSO 313	Clinical Microbiology II	2
Credits		3
Third Year		
Fall		
MLSO 331	Immunology	2
MLSO 351	Immunoematology	2
Credits		4
Spring		
MLSO 352	Immunoematology II	2
Designated Electives		3
Credits		5
Summer		
Program Approved Elective		3
Credits		3
Fourth Year		
Fall		
MLSO 375	MLS Seminar	2
MLSO 416	Comprehensive Exam	0

Course	Title	Credits
Designated Electives		2-3
Credits		4-5
Spring		
MLSO 412	MLS Practicum I	1
MLSO 422	MLS Practicum II	1
MLSO 442	MLS Practicum III	1
MLSO 454	MLS Practicum IV	1
Credits		4
Total Credits		39-40

- If at least 79 credits are not transferred at admission, students must complete elective coursework to satisfy the degree requirement of 120 credit hours

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Course	Title	Credits
First Year		
Fall		
MLSO 301	Molecular Biology	3
MLSO 323	Clinical Chemistry I	2
MLSO 341	Clinical Hematology I	2
Credits		7
Spring		
MLSO 310	Intro to Molecular Diagnostics	1
MLSO 324	Clinical Chemistry II	2
MLSO 343	Clinical Hematology II	2
Credits		5
Summer		
MLSO 376	Urinalysis and Body Fluids	2
MLSO 430	Laboratory Standard & Practice	3
Designated Electives		3
Credits		8
Second Year		
Fall		
MLSO 312	Clinical Microbiology I	2
MLSO 331	Immunology	2
MLSO 351	Immunoematology	2
Credits		6
Spring		
MLSO 313	Clinical Microbiology II	2
MLSO 352	Immunoematology II	2
Designated Electives		3
Credits		7
Summer		
MLSO 375	MLS Seminar	2
MLSO 412	MLS Practicum I	1
MLSO 416	Comprehensive Exam	0
MLSO 422	MLS Practicum II	1
MLSO 442	MLS Practicum III	1
MLSO 454	MLS Practicum IV	1
Designated Electives		2-3
Credits		8-9
Total Credits		41-42

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