

LSUHSC – New Orleans

Department of Medical Laboratory Science

Non-degree Seeking Structured Programs

These structured programs are discipline specific routes for non-degree seeking students. The applicant must possess a Baccalaureate degree in a science or have a minimum of 30 hours of science coursework with a non-science degree. The recommended GPA for all applicants is 2.5 or higher. The structured programs allow a student to obtain the needed specific coursework to qualify for discipline specific certification. The required curriculum is a specific structured program in each category which includes courses necessary for competency in only that discipline.

The Categorical MLS Tracks include:

1. Microbiology
2. Chemistry
3. Immunohematology
4. Hematology
5. Chematology

Microbiology Structured Program required courses:

Course Number	Course Name	Credit Hours
Fall Semester		
MLS 3107	Immunology	2
MLS 5128	Serology (+dilutions/ELISA)	2
Spring Semester		
MLS 3112	Professional Skills in CLS	2
MLS 3140	Quality Assurance/Lab Math	1
MLS 5117	Genetics	1
MLS 5119	Molecular Diagnostics	2
Fall Semester		
MLS 5104	Clinical Microbiology	4
MLS 4125	Clinical Microbiology Laboratory	2
Spring Semester		
MLS 4105	Clinical Parasitology/Mycology	2
MLS 4135	Microbiology Practicum	5

Chemistry Structured Program required courses:

Course Number	Course Name	Credit Hours
Fall Semester		
MLS 3107	Immunology	2
MLS 5128	Serology (+dilutions/ELISA)	2
Spring Semester		
MLS 3112	Professional Skills in CLS	2
MLS 3140	Quality Assurance/Lab Math	1
MLS 5117	Genetics	1
MLS 5119	Molecular Diagnostics	2
Fall Semester		
MLS 5109	Clinical Biochemistry	4
MLS 4120	Clinical Biochemistry Laboratory	2

MLS 4130	Chemistry/Immunology Practicum	3
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Immunohematology Structured Program required courses:

Course Number	Course Name	Credit Hours
Fall Semester		
MLS 3107	Immunology	2
MLS 5128	Serology (+dilutions/ELISA)	2
Spring Semester		
MLS 3112	Professional Skills in CLS	2
MLS 3140	Quality Assurance/Lab Math	1
MLS 5117	Genetics	1
MLS 5119	Molecular Diagnostics	2
Summer Semester		
MLS 5111	Immunohematology	2
MLS 4122	Immunohematology Laboratory	2
Fall Semester		
MLS 4132	Immunohematology Practicum	4

Hematology/Microscopy Structured Program required courses:

Course Number	Course Name	Credit Hours
Spring Semester		
MLS 3112	Professional Skills in CLS	2
MLS 3140	Quality Assurance/Lab Math	1
MLS 3101	Clinical Hematology I	2
MLS 5119	Clinical Hematology Lab	2
Summer Semester		
MLS 5101	Clinical Hematology II	2
MLS 4121	Clinical Hematology II Lab	2
Fall Semester		
MLS 3107	Immunology	2
MLS 5128	Serology (+dilutions/ELISA)	2
MLS 4102	Urinalysis	2
Spring Semester		
MLS 5117	Genetics	1
MLS 5119	Molecular Diagnostics	2
MLS 4131	Hematology/Urinalysis Practicum	4

Chematology Structured Program required courses:

Course Number	Course Name	Credit Hours
Spring Semester		
MLS 3112	Professional Skills in CLS	2
MLS 3140	Quality Assurance/Lab Math	1
MLS 3101	Clinical Hematology I	2
MLS 5119	Clinical Hematology Lab	2
Summer Semester		
MLS 5101	Clinical Hematology II	2
MLS 4121	Clinical Hematology II Lab	2
Fall Semester		

MLS 4102	Urinalysis	2
MLS 5109	Clinical Biochemistry	4
MLS 4120	Clinical Biochemistry Laboratory	2
Spring Semester		
MLS 5119	Molecular Diagnostics	2
MLS 5117	Genetics	1
MLS 3107	Immunology	2
MLS 5128	Serology (+dilutions/ELISA)	2
Summer Semester		
MLS 4131	Hematology/Urinalysis Practicum	4
MLS 4130	Chemistry/Immunology Practicum	3