

## Master of Medical Laboratory Science Leadership Program Curriculum

Students are required to complete a minimum of 30 semester credit hours to complete the Master of Medical Laboratory Science Leadership program. Students must complete core courses as a prerequisite to MLSC 7060. 9 credit hours of concentration courses in Health Administration, Advanced Practice in Microbiology/Molecular Diagnostics or Immunohematology/Cell Therapy/Transfusion Medicine, or Higher Education are taken in the fourth and fifth semesters.

Course Number	Course Title	Credit Hours	Semester(s) Offered	Length
<b>Core Courses (18 Credits)</b>				
MLSC 6010	Fundamentals of Interprofessional Medical Laboratory Leadership and Collaboration	3	Fall	7 Weeks
MLSC 6075	Leadership Theory for Health Care	3	Fall	7 Weeks
MLSC 7001	Medical Laboratory Leadership	3	Spring	7 Weeks
MLSC 7002	Investigative and Evidence-Based Medical Laboratory Leadership	3	Spring	7 Weeks
MLSC 7010	Issues and Ethics in Medical Laboratory Science	3	Summer	7 Weeks
MLSC 7020	Advanced Medical Laboratory Leadership and Practice in Healthcare and Education	3	Summer	7 Weeks
<b>Concentration Courses (9 Credits)</b>				
<b>Advanced Practice Concentration: Micro/Molecular Diagnostics</b>				
MLSC 7030	Applications and Analyses in Molecular Diagnostics	3	Fall, Spring, Summer	7 weeks
MLSC 7040	Advanced Principles of Molecular Diagnostics and Disease Management	3	Fall, Spring, Summer	7 weeks
MLSC 7050	Advanced Concepts & Applications for Clinical Immunology	3	Fall, Spring, Summer	7 weeks
<b>Advanced Practice Concentration: (Immunoheme/Cell Therapy/Trans. Med)</b>				
MLSC 7035	Cell Therapy Principles and Practices	3	Fall, Spring, Summer	7 weeks
MLSC 7045	Foundations of Transfusion Medicine I	3	Fall, Spring, Summer	7 weeks
MLSC 7055	Foundations of Transfusion Medicine II	3	Fall, Spring, Summer	7 weeks

Higher Education Concentration (Choose 3 courses)				
IDT 7100	Assessing Learning in Online and Blended Environments	3	Summer	Full Semester
IDT 7110	Universal Design for Learning in Blended and Online Contexts	3	Spring	Full Semester
IDT 7120	Tools for Online Learning Creation and Assessment	3	Fall, Spring	Full Semester
IDT 7130	Applications and Issues of Teaching with Technology	3	Fall	Full Semester
EDLD 7060	Overview of the American Community College	3	Unknown	Full Semester
EDLD 8062	Educational Equity and Diversity in Higher Education	3	Unknown	Full Semester
*CI 7080	Curriculum Development & Evaluation in Medical Education	3	Fall, Spring	Full Semester
*CI 7081	Attitude Formation and Change in Medical Education	3	Fall, Spring	Full Semester
*CI 7082	Human and Adult Learning in Medical Education	3	Spring, Summer	Full Semester
*CI 7083	Application of Instructional Design and Technology in Medical Education	3	Spring, Summer	Full Semester
Health Care Administration Concentration (Choose 3 Courses)				
HCA 7001	Health Systems Management 1: Organization & Delivery	3	Fall, Spring, Summer	7 weeks
HCA 7002	Health Systems Management 2: Principles of Leadership	3	Fall, Spring, Summer	7 weeks
HCA 7031	Health Policy 1: Health Policy & Regulation	3	Spring	Full Semester
HCA 7032	Health Policy 2: Legal & Ethical Issues	3	Fall	Full Semester
Capstone (3 Credits)				
MLSC 7060	Capstone	3	Fall, Spring, Summer	7 Weeks