## Clinical Laboratory Sciences Program Undergraduate Program Curriculum Map BS in CLS MLT to MLS track January 2020

	Definition of Terms		Common prerequisites					Major related courses				Major courses										
I = introduce = the level of learning expected of a novice R = reinforce = the level of instruction and learning expected with students who have been introduced to concepts of skills previously; not the final goal state M = mastery = the intended state of learning the program aspires to achieve			BSC 2010+L Biology or BSC 1086+L Anatomy & Physiology II	BSC1085+L Anatomy & Physiology I	CHM 2045/2046 +L General Chemistry I and II	CHM 2210+L Organic Chemistry I	MCB 3020 + L or MCB 2010C General Microbiology	MLS 3194 Clinical Genetics	MLS 3621 Clinical Biochemistry	HSC 3555 Pathophysiology or HSC 3535 Medical Terminolog	MLS 4306C Hematology MLT to MLS	MLS 4461C Diagnostic Microbiology MLT to MLS	MLS 44463C Medical Microbiology MLT to MLS	MLS 4626C Clinical Chemistry I MLT to MLS	MLS 4335C Hemostasis and Thrombosis MLT to MLS	MLS 4221C UA and Body Fluids MLT to MLS	MLS 4631C Clinical Chemistry II MLT to MLS	MLS 4552C Immunohematology MLT to MLS	MLS 4506C Clinical Immunology MLT to MLS	ΙĒ	MLS 4704 Clinical Management Portfolio MLT to MLS	
Content	Demonstrate knowledge and competency in methodological principles in the disciplines within the dinical laboratory	Demonstrate entry-level medical laboratory scientist knowledge of the disciplines within the clinical laboratory		1		9	-	_	_		1	_	R	_	R	_	R	R	R	R	м	
		Identify and apply principles of quality assurance									ı	ı	R	R	R	R		R	R	R	М	
		Demonstrate competency performing manual procedures in Hematology, Microbiology, Immunohematology, and Chemistry			ı	_	I		I		ı	R	R	R	R	R	R	R	R	R	М	
inking	Interpret and evaluate clinical procedures and results	Evaluate patient results and distinguish normal from abnormal results		I				I		I	ı	I	R	R	R	R	R	R	R	R	М	
Critical Thinking		Conduct research using appropriate sources	ı					R			R	R		R	R		R	R		R	М	
Communication	Communicate biomedical information in oral and written form employing appropriate technology	Utilize appropriate professional language when writing or speaking to instructors and colleagues									R	R	R	R	R	R	R	R	R	R	М	
		Design a clear and concise work portfolio									ı			I							М	
		Generate a capstone medical case study that is formatted for professional presentation or publication								R				I			R	R		R	М	
	Recognize and adhere to professional regulation, ethical standards, and program's code of conduct	Practice appropriate professional standards of behavior e.g. punctuality, initiative, respect for coworkers and supervisors, confidentiality, and safe laboratory practices											R	R	R	R	R	R	R	R	М	
Integ		Demonstrate appropriate ethical practices in completing assignments	I	I	R	R	R	R	R	R	M	M	М	M	M	М		М	М	М	М	