

College of Science - Medical Laboratory Science, BS				
Catalog Year: 2020 - 2021			Grades	
Mason Core Requirements: 27 credits	Course Information	Credits	Earned	Needed
Written Communication:	ENGH 101 (100)	3		
Oral Communication:		3		
*Quantitative Reasoning	*Satisfied by Major Requirements			
*Information Technology	*Satisfied by Major Requirements			
Arts		3		
Global Understanding		3		
Literature		3		
*Natural Science	*Satisfied by Major Requirements			
Social & Behavioral Sciences		3		
Western Civilization/World History		3		
Written Communication:	ENGH 302	3		
Synthesis/Capstone		3		
Major Requirements (84 - 88 credits in major with Professional Study)				
BIOL 213	Cell Structure and Function (Mason Core)	4		
BIOL 214	Biostatistics for Biology Majors	4		
BIOL 311	General Genetics	4		
MLAB 200	Introduction to Medical Laboratory Science	1		
MLAB 300	Science Writing 1	2		
BIOL 305	Biology of Microorganisms	3		
BIOL 306	Biology of Microorganisms Laboratory	1		
BIOL 430	Advanced Human Anatomy and Physiology I	4		
BIOL 431	Advanced Human Anatomy and Physiology II	4		
BIOL 452	Immunology	3		
BIOL 453	Immunology Laboratory	1		
CHEM 211/213	General Chemistry I with Lab	3/1		
CHEM 212/214	General Chemistry II with Lab	3/1		
CHEM 313 & CHEM 315	Organic Chemistry I and Organic Chemistry Lab I	5		
BIOL 483 or CHEM 314 & 318	General Biochemistry or Organic Chemistry II with Lab	4-5		
One from the following: MATH 111, 113, 123/124		3-6		
CDS 130 or Any approved Mason Core IT req course		3-4		
Professional Study Requirement (30 credits): *Transfer students must have 16 credits of 300/400-level biology or chemistry taken at Mason and may require time to graduate; No grades less than 'C' in senior year of professional study.				
*Generalist Option (30 credits): . MLAB 401 - 407				
*Molecular Biology Concentration (30 credits): MLAB 401 and MLAB 407				
*Microbiology Concentration (30 credits): MLAB 401 and MLAB 405				
Histotechnology Concentration (30 credits): MLAB 401, 408, and 409				
Professional Study Course #1:		3		
Professional Study Course #2:		3		
Professional Study Course #3:		3		
Professional Study Course #4:		3		
Professional Study Course #5:		3		
Professional Study Course #6:		3		
Professional Study Course #7:		3		
Professional Study Course #8:		3		
Professional Study Course #9:		3		
Professional Study Course #10:		3		
Recommended additional basic science courses: BIOL 465, 483-485; CHEM 321; PHYS 243-246				
Degree Notes				
Any remaining credits may be completed with elective courses to bring the degree total to 120 with 45 of these credits at the 300/400 level. This program requires the equivalent of three years of full-time pre-professional study at the college level preceding a senior year of professional education in an affiliated program of medical laboratory science. Affiliated schools (see below) are accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Quest Diagnostics in Chantilly, Virginia also provides professional education for this program.				
Advisor Notes:				