

**Bachelor of Science
Medical Laboratory Science
CIP Code: 511005**

**Major Code MLA00
Cr Hrs**

General Education CORE 42 Requirements 42*		32
Area 1A	Social & Behavioral Sciences	6
Area 1B	Civic Engagement	3
Area 2A	Written Communication	6
Area 2B	Oral Communication	3
Area 3A	Natural Science Non-Lab (CHEM 140)	
Area 3B	Natural science With Lab (BIO 121 or PHYS 160)	
Area 4	Mathematics (MATH 140)	
Area 5A	Humanities	6
Area 5B	Fine Arts	3
Area 5C	Global Competencies	3
Area 5D	Health and Wellness	2
UE 100	First Year Experience**	1
Biology Requirements		25-27
BIO 121	Human Anatomy and Physiology I*	4
BIO 221	Human Anatomy and Physiology II***	5
BIO 231	General and Medical Microbiology***	5
BIO 305	Genetics***	4
BIO 456	Immunology***	4
And one of the following three courses:		3-5
BIO 362	Virology*** (3)	
BIO 442	Pathogenic Bacteriology*** (5)	
BIO 308	Pathophysiology*** (4)	
Chemistry Requirements		24
CHEM 140	General Chemistry I*	3
CHEM 141	General Chemistry I Lab	1
CHEM 142	General Chemistry II	5
CHEM 201	Analytical Chemistry I***	5
CHEM 301	Organic Chemistry I***	5
CHEM 350	Biochemistry***	3
CHEM 355	Biochemical Techniques	2
Other Requirements		9
PHYS 160	Elementary College Physics I*	4
MATH 140	Algebra and Trigonometry*	5
400 Level	Medical Lab Science Courses (at Hospital)	32
Total Hours	Must include at 39 upper division (300-400) hrs	123-125

Gen Ed. Core 42 requirements Area 3A & 3B met by CHEM 140 and BIO 121 or PHYS 160 (7 hrs) and Area 4 met by MATH 140 (3 hrs)