

Medical Laboratory Science (MLS)

Bismarck State College (AS) and University of Mary

Freshman:	Fall		UMary Equivalent
BIOL 150/150L	General Biology I/Lab (Math/Science/Tech)	3/1	BIO 103/L
CHEM 121/121L	General Chemistry I/Lab (Math/Science/Tech)	4/1	CHE 111/L
Elective	Arts & Humanities Elective	3	Core Elective
ENGL 110	College Comp I (Comm)	3	ENG 111
	Fall Credits	15	
	Spring		
ENGL 120	College Comp II (Comm)	3	ENG 121
Elective	Elective (if Calc. I already completed, take a Social Science/Diversity Elective)	3	Core Elective
BIOL 151/151L	General Biology II/Lab (Math/Science/Tech)	3/1	BIO 106/L
CHEM 122/122L	General Chemistry II/Lab (Math/Science/Tech)	4/1	CHE 112/L
	Spring Credits	15	
	Total Freshman Credits	30	
Sophomore:	Fall		
Elective	Elective (if Calc. I already completed, take a Social Science Elective)	3	Core Elective
PHIL 210	Ethics (Arts & Humanities)	3	PHI 208
BIO 220/220L	Anatomy and Physiology I/Lab (Math/Science/Tech)	3/1	BIO 207/L
CHEM 241/241L	Organic Chemistry I/Lab (Math/Science/Tech)	4/1	CHE 217/L
	Fall Credits	15	
	Spring		
COMM 110	Fundamentals of Public Speaking (Comm)	3	COM 110
Elective	Elective (if Calc. I already completed, take a Social Science Elective)	3	Core Elective
BIO 221/221L	Anatomy and Physiology II/Lab (Math/Science/Tech)	3/1	BIO 208/L
MICR 202/202L	Microbiology	3/1	BIO 209/L
BSC	Enrichment Elective	2	Elective
	Spring Credits	16	
	Total Sophomore Credits	31	
	Total BSC Credits	61	(62→UMary)
Junior:	Fall		
HUM 322	Transfer Seminar	1	
BIO 311	Genetics	4	
LA Elective	Lib Arts Elective (CHE 318 Organic Chemistry II/lab recommended)	3	
BIO 312	Parasitology, if offered (or other elective) (Need either BIO 312 or 330 to graduate—not both)	4	
BIO 319 & 320	Hematology & Lab	4	
	Fall Credits	16	
	Spring		
CHE 310	Biochemistry	4	
BIO 318	Immunology & Serology	4	
BIO 330	Zoology, if offered (or other elective) (Need either BIO 312 or 330 to graduate—not both)	4	
THE/CTH 234	Benedict: Yesterday and Today	3	
	Spring Credits	15	
	Total Junior Credits	31	

Senior:	Summer		
MLS 417	Clinical Internship	13	
	Summer Credits	13	
	Fall		
MLS 418	Clinical Internship	12	
	Fall Credits	12	
	Spring		
MLS 419	Clinical Internship	12	
	Spring Credits	12	
	Total Senior Credits	37	
	Total UMary Credits	68	
	Total Bachelor's Degree Credits	129	

Note: Because some biology courses are offered every other year, course availability will largely determine the student schedule, especially in Fall year 3.

Biology Electives:

**Indicates "highly recommended" for MLS students.

* Indicates "recommended" for MLS students.

- BIO 421 *Advanced Physiology
- BIO 310 *Cell and Molecular Biology
- BIO 314 *Histology
- BIO 417 *Developmental Biology

Additional recommended non-biology electives

- HPS 206 **Medical Terminology
- PSY 201 *General Psychology
- CHE 318 *Organic II
- SOC 107 *General Sociology