



Core Courses

Category	Required Courses	Required Credits
1 st	CSC 101	3
	ENG 101	3
	CIV 101	3
2 nd	ENG 102	3
	MTH 133	3
3 rd	ENG 203	3
	CIV 203	3
	STT 201	3
4 th	CIV 204	3
	Humanity Core ¹	3
Total		/30 credits

¹ 3 credits core/general education eligible course - ECO 201, ART, LIT, ENG, POL, HIST, PHI, or GEO- up to 300 level

General Tips and Recommendations:

- Core Course are not restricted to a certain semester. Students can take them at any point of their study. However, we highly encouraged MLS students to complete the core courses before they start their final/clinical Year.
- Students should plan to take 4-5 courses per semester to maintain normal progress towards the MLS degree. These courses can be a mix of core and major courses.
- Students are also encouraged to take advantages of the minors available in AUIS such as IT, Business, and IS.
- All lab courses are co-requisite of the corresponding theory component. *E.g. BIOL 203 is co-requisite of BIO 203.*

Varied Degree paths:

Exact degree path may vary, put pre-requisite must be met. The MLS program doesn't grant curricular exception under any circumstances. If academic record differs from the course listed in this form, please contact the Register's Office during the advising week for clarification.

***Clinical Year:**

The clinical year consists of 33 credits divided into 12 credits of Rotation, 14 credits of on campus clinical classes, and 3 credits of medical research project. Clinical Rotations are hospital-based training practicum that are conducted in the rotation manner.

Major Courses

Suggested Semester	Course Code	Pre-requisite	Credits
1 st	General Biology I + Lab (BIO 102 + BIOL102)	None	4
	Chemistry I + Lab (CHEM 232 + CHEML 232)	None	4
2 nd	Biology II + Lab (BIO 203 + BIOL 203)	BIO/L 102	4
	Chemistry II + Lab (CHEM 233 + CHEML 233)	CHEM/L 232	4
3 rd	Physics for Life Science + Lab (PHYS 224 + PHYSL 224) PHYSL 232 can also fulfill this requirement	MTH133	4
	Clinical Laboratory Science Methods & Techniques (HSCI 201)	MLS major Declaration	2
4 th	Organic Chemistry + Lab (CHEM/L 241)	CHEM/L 233	4
	Human Anatomy + Lab (BIO/L 231)	BIO/L 203	4
5 th	Biochemistry + Lab (CHEM/L 351)	BIO/L 203 CHEM/L 241	4
	Human Physiology + Lab (BIO/L 341)	BIO/L 231 CHEM/L 232 PHYSL 224	4
	Microbiology + Lab (BIO/L 351)	BIO/L 203 CHEM/L 233	4
	Bioethics (BIOE 301)	BIO/L 203	2
6 th	Genetics & Molecular Biology + Lab (BIO 362)	BIO/L 203 CHEM/L 241 STT 201	4
	Medical Microbiology + Lab (MEDS 322)	BIO/L 351 HSCI 201	4
	Medical Immunology + Lab (MEDS 332)	BIO/L 341 BIO/L 351 HSCI 201	4
	Medical Hematology + Lab (MEDS 342)	BIO/L 341 HSCI 201	4
7 th Clinical*	MLS Operation (MEDS 401)	HSCI 201 BIOE 301	2
	Public Health (HSCI 411)	MEDS 322 BIOE 301	3
	Clinical Chemistry (MEDS 422)	BIO 362, CHEM 351, MEDS 332, BIOE 301	3
	Clinical Laboratory Rotation I (CLP 411)	BIO 362, CHEM 351, MEDS 332, BIOE 301	6
	Medical Laboratory Management	MLS Senior Status	3
8 th Clinical*	Clinical Body Fluids Analysis (MEDS 423)	MES 322, MEDS 422 MEDS 401	2
	Medical Parasitology (MEDS 421)	MEDS 322, MEDS 332 HSCI 411	2
	Transfusion Medicine (MEDS 445)	MEDS 332 MEDS 342	3
	Clinical Laboratory Rotation II (CLP 442)	CLP 411	6
	MLS Capstone Project (MEDS 450)	CLP 411	3
Total			/93 Credits

DEGREE TOTALS

Core	30 credits (10 courses)
Major	93 credits (23 courses + 15 Labs + 2 Clinical Rotations + 1 Research Project)
Total	123 credits