

Medical Laboratory Science Bridge(MLSc) 2025-26

The below is a suggested program summary. Actual offering may differ from semester 1 to 2.

Year 1	Semester 1	Prerequisite(s)	Semester 2	Prerequisite(s)
	HLSC 2460U - Pathophysiology I	HLSC 1201U or HLSC 2202U	HLSC 2461U - Pathophysiology II	HLSC 2460U
	HLSC 3800U – Intro to Statistics for Health Science	24 Credit Hours	HLSC 3910U - Research Methods for Health Care Professionals	HLSC 3800U
	MLSC 1010U - Intro to Medical Laboratory Practice	CHEM 1020U and HLSC 1201U and (HLSC 2110U or MLSC 1110U)	MLSC 2111U – Clinical Biochemistry I	MATH 1880U and MLSC 1010U
	MLSC 2140U – Biotechnology to MLSc		MLSC 2121U - Clinical Hematology I	MATH 1880U and MLSC 1010U
	Open Elective		MLSC 2131U - Clinical Microbiology I	MLSC 1010U and MLSC 2130U
Year 2	Semester 1	Prerequisite(s)	Semester 2	Prerequisite(s)
	MLSC 3111U - Clinical Biochemistry II	HLSC 2461U and MLSC 2111U	MLSC 3210U - Effective Leadership and Quality Management	MLSC 2111U
	MLSC 3121U - Clinical Hematology II	HLSC 2461U and MLSC 2121U	MLSC 3220U - Transfusion Science II	MLSC 3200U
	MLSC 3131U - Clinical Microbiology II	HLSC 2461U and MLSC 2131U	MLSC 3231U - Advanced Histotechnology	MLSC 3230U
	MLSC 3200U - Transfusion Science I	MLSC 2121U	MLSC 3300U - Simulated Clinical Practicum	HLSC 2461U, MLSC 3111U, MLSC 3121U, MLSC 3131U, MLSC 3200U, MLSC 3230U
	MLSC 3230U - Microanatomy and Histotechnology	HLSC 2461U and MLSC 1010U and MLSC 2130U		
Year 4	Semester 1	Prerequisite(s)	Semester 2	Prerequisite(s)
	HLSC 4820U - Interdisciplinary Collaboration	72 Credit Hours		
	MLSC 4111U - Clinical Biochemistry III	MLSC 3300U; Co-Req: MLSC 4400U	MLSC 4112U - Clinical Biochemistry IV	MLSC 4111U; Co-Req: MLSC 4401U
	MLSC 4121U - Clinical Hematology III	MLSC 3300U; Co-Req: MLSC 4400U	MLSC 4122U - Clinical Hematology IV	MLSC 4121U; Co-Req: MLSC 4401U
	MLSC 4131U - Clinical Microbiology III	MLSC 3300U, and MLSC 3141U; Co-Req: MLSC 4400U	MLSC 4132U - Clinical Microbiology IV	MLSC 4131U; Co-Req: MLSC 4401U
	MLSC 4210U Professional Practice in Clinical Laboratory I	MLSC 3300U; Co-Req: MLSC 4400U	MLSC 4211U - Professional Practice in the Clinical Laboratory II	MLSC 4210U; Co-Req: MLSC 4401U
	MLSC 4220U - Transfusion Science III	MLSC 3220U & MLSC 3300U; Co-Req: MLSC 4400U	MLSC 4221U - Transfusion Science IV	MLSC 4220U; Co-Req: MLSC 4401U
	MLSC 4231U - Histopathology I	MLSC 3231U & MLSC 3300U; Co-Req: MLSC 4400U	MLSC 4232U Histopathology IV	MLSC 4231U; Co-Req: MLSC 4401U
	MLSC 4400U - Clinical Project I*	HLSC 3910U; Co-Req: MLSC 4111U, 4121U, 4131U, 4210U, 4220U, 4231U	MLSC 4401U - Clinical Project II*	MLSC 4400U; Co-Req: MLSC 4112U, 4122U, 4132U, 4211U,

*Only with permission only of Program Director and Practicum Coordinator may HLSC 4996U – Research Applications, and HLSC 4997U - Research Applications II, replace MLSC 4400 and 4401.

Program Progression Requirements: A student must achieve a minimum grade of C in all professional medical laboratory courses (MLSC) in order to pass the course. Students who earn a grade lower than a C in any of the courses designated MLSC will be put on program probation, regardless of their overall GPA. A second grade of less than C in any repeated MLSC designated course will result in an academic standing of Program Dismissal. Also, a total of three failures in any combination of required HLSC or MLSC courses will result in an academic standing of Program Dismissal. In addition, a student who has two withdrawals from a single MLSC course and/or a total of three withdrawals from a combination of required HLSC or MLSC courses will be program dismissed. Additionally, students who have failed a third attempt of any required program course will be dismissed from the program as per the university's repeat policy. Students who are dismissed from the program, but have maintained the academic standing to remain at the university, may apply for a change of program.