

## Academic Program Sequence Map

Program Degree Type and Name: BS Clinical Laboratory Science (Clinical Year Fall Start - only)

Catalog Year:2025-

Program Level: Undergraduate

Academic Term Type: Semester

**\* Denote core course with an asterisk and (cc) next to the course number**

Year and Term: Year 1, Fall Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	
ENGL 111 Written English and Lit Studies I	3	X				
COMM 110 Oral Communication	3	X				
MATH 116 College Algebra	3	X				
CISC 120 Intro to Computers	3	X				
Gen Ed	3	X				
<b>Term Credit Total:</b>	15	15				

Year and Term: Year 2, Fall Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	
CHEM 161 General Chemistry II Lecture	3	X			GC	
CHEM 161A General Chemistry II Lab	1	X			GC	
BIOL 161 General Biology II Lecture	3	X			GC	
BIOL 161A General Biology II Lab	1	X			GC	
Gen Ed	3	X				
Gen Ed	3	X				
<b>Term Credit Total:</b>	14	14				

Year and Term: Year 3, Fall Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	
CHEM 261 Organic Chemistry II Lecture	3		X			
CHEM 261A Organic Chemistry II Lab	1		X			
BIOL 355 Molecular Biology of the Cell	4		X			
BIOL 310 Immunology	3		X			
Gen Ed	3	X				
<b>Term Credit Total:</b>	14	3	11			

Year and Term: Year 4, Fall Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	
CLSC 402 Laboratory Operations	1		X			
CLSC 410 Hematology I	3		X			
CLSC 410A Hematology I Lab	1		X			
CLSC 415 Diagnostic Microbiology I	3		X			
CLSC 415A Diagnostic Microbiology I Lab	1		X			
CLSC 406 Urinalysis 1	2		X			
CLSC 420 Clinical Chemistry	3		X			
CLSC 420A Clinical Chemistry Lab	1		X			
<b>Term Credit Total:</b>	15		15			

Year and Term: Year 4, Summer Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	
CLSC 416 Diagnostic Microbiology II	3		X			
*CLSC 440 Professional Practice in CLS(cc)	3		X		CA	
CLSC 426 Coagulation	1		X		WBE	
CLSC 422 Clinical Chemistry III	2		X		WBE	
CLSC 431 Immunohematology II	2		X		WBE	
CLSC 435 Clinical Immunology	1		X		WBE	
<b>Term Credit Total:</b>	15		15			

Year and Term: Year 1, Spring Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	
BIOL 160 General Biology I Lecture	3	X			GC	
BIOL 160A General Biology I Lab	1	X			GC	
BIOL 160R General Biology I Recitation	0	X			GC	
CHEM 160 General Chemistry I Lecture	3	X			GC	
CHEM 160A General Chemistry I Lab	1	X			GC	
CINQ 101 Critical Inquiry	3	X				
ENGL 112 Written English and Lit Studies II	3	X				
<b>Term Credit Total:</b>	14	14				

Year and Term: Year 2, Spring Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	
CHEM 260 Organic Chemistry I Lecture	3		X			
CHEM 260A Organic Chemistry I Lab	1		X			
BIOL 265 Microbiology lecture	3		X			
BIOL 265A Microbiology Lab	1		X			
JRSM 301 Junior Seminar	3	X				
MATH 122 Statistics	3	X				
<b>Term credit total:</b>	14	6	8			

Year and Term: Year 3, Spring Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	
CHEM 354 Biochemistry	4		X			
BIOL 309 Human Physiology Lecture	3		X			
BIOL 309A Human Physiology Lab	1		X			
Gen Ed	3	X				
Gen Ed	3	X				
Gen Ed	2					
<b>Term Credit Total:</b>	16	8	8			

Year and Term: Year 4, Spring Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	
CLSC 421 Clinical Chemistry II	3		X			
CLSC 430 Immunohematology I	3		X			
CLSC 430A Immunohematology I Lab	1		X			
CLSC 411 Hematology II / Hemostasis	3		X			
CLSC 412 Hematology III	2		X		WBE	
CLSC 417 Diagnostic Microbiology III	2		X		WBE	
CLSC 407 Urinalysis II	1		X		WBE	
<b>Term Credit Total:</b>	15		15			

Year and Term:		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	
<b>Term Credit Total:</b>						

<b>Program Totals</b>	Credits: 12 General Ed: 60			Major & Major Elective: 69			Open Elective: 0		
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**Legend:** CR: Credits GE: General Education Maj: Major / Major Elective OE: Open Elective GC: Gateway Course CA: Career Activity ELC: Experiential Learning Course WBE: Work-Based Experience