

Academic Program Sequence Map

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

Catalog year: 2024-2025

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 | | | | |
| ENGL 110 or Gen Ed | 3 | X | | | | |
| MATH 116 College Algebra | 3 | X | | | | |
| CINQ 101 Critical Inquiry | 3 | X | | | | |
| Gen Ed | 3 | X | | | | |
| | | | | | | |
| | | | | | | |
| Term Credit Total: | 15 | 15 | | | | |

| Year and Term: Year 1, Summer 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 | |
| | | | | | | |
| | | | | | | |
| Term Credit Total: | 8 | 8 | | | | |

| Year and Term: Year 2, Spring 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 309 Human Physiology Lecture | 3 | | X | | | |
| BIOL 309A Human Physiology Lab | 1 | | X | | | |
| Gen Ed | 3 | X | | | | |
| Gen Ed | 1 | X | | | | |
| Term Credit Total: | 12 | 4 | 8 | | | |

| Year and Term: Year 3, Spring Term | | Credits Per Classification | | | | |
|--|-----------|----------------------------|----------|----|------------------|--|
| Course Number & Title | CR | GE | Maj | OE | Milestone/Advice | |
| BIOL 355 Molecular Biology of the Cell | 4 | | X | | | |
| BIOL 310 Immunology | 3 | | X | | | |
| Gen Ed | 3 | X | X | | | |
| Gen Ed | 3 | X | | | | |
| | | | | | | |
| | | | | | | |
| Term Credit Total: | 13 | 6 | 7 | | | |

| 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 | | ELC | |
| CLSC 417 Diagnostic Microbiology III | 2 | | X | | ELC | |
| CLSC 407 Urinalysis II | 1 | | X | | ELC | |
| Term Credit Total: | 15 | | 15 | | | |

| Year and Term: Year 1, Spring Term | | Credits Per Classification | |
|---|----|----------------------------|--|
| Course Number & Title | OE | Milestone/Advice | |
| BIOL 160 General Biology I Lecture | | GC | |
| BIOL 160A General Biology I Lab | | GC | |
| BIOL 160R General Biology I Recitation | | GC | |
| CHEM 160 General Chemistry I Lecture | | GC | |
| CHEM 160A General Chemistry I Lab | | GC | |
| COMM 110 Oral Communication | | | |
| ENGL 112 Written English and Lit Studies II | | | |
| Term Credit Total: | | | |

| Year and Term: Year 2, Fall Term | | Credits Per Classification | |
|--------------------------------------|----|----------------------------|--|
| Course Number & Title | OE | Milestone/Advice | |
| CHEM 260 Organic Chemistry I Lecture | | | |
| CHEM 260A Organic Chemistry I Lab | | | |
| BIOL 265 Microbiology lecture | | | |
| BIOL 265A Microbiology Lab | | | |
| CISC 120 Intro to Computers | | | |
| Gen Ed | | | |
| Term credit total: | | | |

| Year and Term: Year 3, Fall Term | | Credits Per Classification | |
|----------------------------------|----|----------------------------|--|
| Course Number & Title | OE | Milestone/Advice | |
| CHEM 354 Biochemistry | | | |
| JRSM 301 Junior Seminar | | | |
| Gen Ed | | | |
| MATH 122 Statistics | | | |
| | | | |
| Term Credit Total: | | | |

| Year and Term: Year 4, Fall Term | | Credits Per Classification | |
|---|----|----------------------------|--|
| Course Number & Title | OE | Milestone/Advice | |
| CLSC 402 Laboratory Operations | | | |
| CLSC 410 Hematology I | | | |
| CLSC 410A Hematology I Lab | | | |
| CLSC 415 Diagnostic Microbiology I | | | |
| CLSC 415A Diagnostic Microbiology I Lab | | | |
| CLSC 406 Urinalysis 1 | | | |
| CLSC 420 Clinical Chemistry | | | |
| CLSC 420A Clinical Chemistry Lab | | | |
| Term Credit Total: | | | |

| Year and Term: Year 4, Summer Term | | Credits Per Classification | |
|--|----|----------------------------|--|
| Course Number & Title | OE | Milestone/Advice | |
| CLSC 416 Diagnostic Microbiology II | | | |
| *CLSC 440 Professional Practice in CLS(cc) | | CA | |
| CLSC 426 Coagulation | | ELC | |
| CLSC 422 Clinical Chemistry III | | ELC | |
| CLSC 431 Immunohematology II | | ELC | |
| CLSC 435 Clinical Immunology | | ELC | |
| Term Credit Total: | | | |

| | | | |
|-----------------------|----------------------------|----------------------------|----------------|
| Program Totals | Credits: 12 General Ed: 60 | Major & Major Elective: 69 | Open Elective: |
|-----------------------|----------------------------|----------------------------|----------------|

Legend: CR: Credits GE: General Education Maj: Major / Major Elective OE: Open Elective GC: Gateway Course CA: Career Activity ELC: Experiential Learning Course