

## Bachelor of Science Clinical Laboratory Science Professional Curriculum

### Fall Semester — Professional Year 1

CLS 3090 Introduction to Professional Practice: 1 cr.
CLS 3100 Clinical Microscopy Lecture/Lab: 3 cr.
CLS 3080 Instrumentation Lec/Lab 4 cr.
CLS 5500 Immunology & Serology: 3 cr.
CLS 3330 Medical Terminology: 1 cr.
<i>Semester Total Credits: 12</i>

### Fall Semester — Professional Year 2

CLS 4210 Hemostasis Lecture/Lab: 2 cr.
CLS 4230 Hematology II: 2 cr.
CLS 5520 Diagnostic Microbiology II: 4 cr.
CLS 5070 Clinical Pathology Correlation: 2 cr.
MS 5020 Biochemical Basis for Pathophysiology: 3 cr.
<i>Semester Total Credits: 13</i>

### Winter Semester — Professional Year 1

CLS 3020 Hematology Lecture/Lab: 4 cr.
CLS 3280 Clinical Chemistry Lecture/Lab: 4 cr.
CLS 5993 Writing Intensive Course: 0 cr.
CLS 5510 Diagnostic Microbiology I (with lab): 4 cr.
CLS 4040 Laboratory Operations: 3 cr.
<i>Semester Total Credits: 15</i>

### Winter and Spring/Summer Semester — Professional Year 2

CLS 4000 Clinical Hematology: 5 cr.
CLS 4010 Clinical Chemistry: 3 cr.
CLS 4020 Clinical Blood Bank: 2 cr.
CLS 4030 Clinical Microbiology: 5 cr.
CLS 4050 Clinical Immunology: 1 cr.
<i>Semester Total Credits: 16</i>

### Spring/Summer Semester — Professional Year 1

CLS 3040 Immunochemistry Lecture/Lab: 4 cr.
CLS 5550 Molecular Diagnostics: 3 cr.
<i>Semester Total Credits: 7</i>

### Professional Program Total Credits: 63

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The Clinical Laboratory Science Program is accredited by:  
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