# Bachelor of Health Science - Concentration in Laboratory Science
## Professional Curriculum

### Fall Semester — Professional Year 1
- **CLS 3090** Professional Practice I or Approved Elective: 2 cr.
- **CLS 3100** Clinical Microscopy Lecture/Lab: 3 cr.
- **CLS 3080** Instrumentation Lecture/Lab: 4 cr.
- **CLS 5500** Immunology & Serology: 2 cr.
- **CLS 5505** Immunology Lab: 1 cr.
- **CLS 3330** Medical Terminology: 1 cr.

**Semester Total Credits: 13**

### 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.
- Approved Elective, if desired (CLS 4040 Professional Practice II suggested): 3-4 cr.

**Semester Total Credits: 12-16**

### Spring/Summer Semester — Professional Year 1
- **CLS 3040** Immunohematology Lecture/Lab: 4 cr.
- **CLS 5550** Molecular Diagnostics: 3 cr.

**Semester Total Credits: 7**

### Fall Semester — Professional Year 2
- **CLS 4210** Hemostasis Lecture/Lab: 1 cr.
- **CLS 4230** Hematology II: 3 cr.
- **CLS 5520** Diagnostic Microbiology II: 4 cr.
- **MS 5020** Biochemistry: Pathophysiology: 3 cr.

**Semester Total Credits: 11**

### Winter Semester — Professional Year 2
- Approved Electives—if needed to have 120 credits required to graduate
- Recommended:
  - **CLS 4990** CLS Professional Directed Study: 1—7 cr.

**Semester Total Credits: as needed**

### Professional Program Total Credits: 45-54

The Clinical Laboratory Science Program is accredited by:

**NAACLS**  
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