# Bachelor of Health Science
- Concentration in Laboratory Science

## Professional Curriculum

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

**Semester Total Credits: 12**

### 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 Laboratory Operations suggested): 3 cr.**

**Semester Total Credits: 12-15**

### 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: 2 cr.
- CLS 4230 Hematology II: 2 cr.
- CLS 5520 Diagnostic Microbiology II: 4 cr.
- MS 5020 Biochemical Basis for Pathophysiology: 3 cr.

**Semester Total Credits: 11**

### Winter Semester — Professional Year 2
- Approved Electives—if needed to have the 120 credits required to graduate

**Suggested:**

**NOTE:** some courses may have prerequisites
- CLS 4990 CLS Professional Directed Study: 1—4 cr.
- PHI 1110 Ethical Issues in Health Care: 3 cr.
- PHI 2320 Introduction to Ethics: 3 cr.
- BIO 2600 Introduction to Cell Biology: 3 cr.
- PHY 2130/2131 General Physics: 5 cr.
- NFS 2030 Nutrition and Health: 3 cr.
- BIO 3070 Genetics: 4 cr.
- BIO 3100 Cellular Biochemistry: 3 cr.
- BIO 3200 Human Physiology: 3 cr.
- BIO 4210 (WI) Comparative Physiology LEC: 3 cr.
- PHY 2140/2141 General Physics: 5 cr.
- NFS 3230 Human Nutrition: 3 cr.
- PSY 2100 Psychology and the Workplace: 3 cr.
- PSY 2410 Health Psychology: 4 cr.
- PSY 2600 Psychology of Social Behavior: 3 cr.

**Semester Total Credits: as needed**

### Professional Program Total Credits: 45-54

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