

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.
<i>Semester Total Credits: 12</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.
Approved Elective, if desired (CLS 4040 Laboratory Operations suggested): 3 cr.
<i>Semester Total Credits: 12-15</i>

Spring/Summer Semester — Professional Year 1

CLS 3040 Immunohematology Lecture/Lab 4 cr.
CLS 5550 Molecular Diagnostics: 3 cr.
<i>Semester Total Credits: 7</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.
MS 5020 Biochemical Basis for Pathophysiology: 3 cr.
<i>Semester Total Credits: 11</i>

Winter Semester — Professional Year 2

Approved Electives—if needed to have the 120 credits required to graduate
<p>Suggested:</p> <p>NOTE: some courses may have prerequisites</p> <p>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 4120 (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.</p>
<i>Semester Total Credits: as needed</i>

Professional Program Total Credits: 45-54