



COURSE REQUIREMENTS			
CLS BS Degree – 120 SH			
1. GENERAL EDUCATION COURSES (GEC) – 39 Semester Hours			
Courses selected by the student and the GEC academic advisor. (SEE GEC WORKSHEET)			
2. PRE-PROFESSIONAL PRE-REQUISITE COURSES – 21 Semester Hours			
Foundation Courses			
Course Number	Course	Hours	Comments
CLS 1301	Behind the Scenes: The Science of Healthcare	3	
BIO 2311 &	Anatomy & Physiology I (Biology 1313 – General Biology pre-requisite)	3	
BIO 2111	Anatomy & Physiology I LAB	1	
EXS 2310 or any statistics equivalent course (3SH)	Demystifying the <b>Statistics</b> of the Health Sciences	3	
CHE 1314 &	General Chemistry II (CHE 2311 – General Chemistry I pre-requisite)	3	<b>or</b> CLS 2405 Foundations of Clinical Chemistry – (Distance Learning Lecture/Lab combination – 4 SH)
CHE 1114	General Chemistry II LAB (CHE 2111 – General Chemistry Lab pre-requisite)	1	
CLS 2302 <b>or</b> CHE 2326	Medical Biochemistry <b>or</b> Organic Chemistry I	3	
CLS 1303 <b>or</b> BIO 1330 & (CLS majors ONLY)	Infectious Disease in Modern Society <b>or</b> General Microbiology	3	
CLS 1103 <b>or</b> BIO 1131	Infectious Disease in Modern Society or General Microbiology LAB	1	
	<b>TOTAL HOURS</b>	<b>21</b>	

### Honors Option in CLS

CLS majors accepted to the professional phase of the program and with a GPA equal to or greater than 3.20 may elect to participate in the CLS honors option. In addition to the CLS program requirements, honors students must:

1. Maintain an overall GPA of 3.2
2. Complete the Honors Option assignments each semester
3. Present and publish an Honors Option Project

Students must apply for participation in the honors program to the Clinical Laboratory Science department chair, sign an honors contract, and obtain approval of a faculty project advisor prior to their final semester. For more details, see the CLS Student Handbook, the program director or the department chair.

**\*NOTE: SEE PROFESSIONAL PHASE COURSES NEXT PAGE**



<b>3. PROFESSIONAL PHASE COURSES – 60 Semester Hours</b>			
<b>Breadth Courses</b>	<b>Fall Semester 1<sup>st</sup> year professional phase (16 SH)</b>		<b>Comments</b>
<b>Course Number</b>	<b>Course</b>	<b>Hours</b>	
CLS 3300	Clinical Chemistry	<b>3</b>	
CLS 3100	Clinical Chemistry LAB	<b>1</b>	
CLS 3302	Hematology	<b>3</b>	
CLS 3102	Hematology LAB	<b>1</b>	
CLS 3303	Clinical Microbiology	<b>3</b>	
CLS 3103	Clinical Microbiology LAB	<b>1</b>	
CLS 3205 <i>*HONORS Option</i>	Intro to Research	<b>2</b>	
CLS 3207	UA/Body Fluids	<b>2</b>	
<i>*HONORS Option</i>	<b>Spring Semester 1<sup>st</sup> year professional phase (15 SH)</b>		
CLS 3308	Advanced Clinical Microbiology	<b>3</b>	
CLS 3108	Advanced Clinical Microbiology LAB	<b>1</b>	
CLS 3305	Advanced Clinical Chemistry	<b>3</b>	
CLS 3105	Advanced Clinical Chemistry LAB	<b>1</b>	
CLS 3306	Advanced Hematology	<b>3</b>	
CLS 3106	Advanced Hematology LAB	<b>1</b>	
CLS 3210	Immunology/Serology	<b>2</b>	
CLS 3107	Immunology/Serology LAB	<b>1</b>	
	<b>Fall Semester 2<sup>nd</sup> year professional phase (16 SH)</b>		
CLS 4304	Immunohematology	<b>3</b>	
CLS 4104	Immunohematology LAB	<b>1</b>	
CLS 4105	CLS Management	<b>1</b>	
CLS 4106	CLS Education	<b>1</b>	
CLS 4206 <i>*HONORS Option</i>	Community Clinical Experience	<b>2</b>	
CLS 4404	Methods & Procedures	<b>4</b>	
CLS 4303	Molecular Diagnostics	<b>3</b>	
CLS 4103	Molecular Diagnostics LAB	<b>1</b>	
<b>Depth Courses</b>	<b>Spring Semester 2<sup>nd</sup> year professional phase (13 SH)</b>		
CLS 4102 <i>*HONORS Option</i>	Seminar (capstone)	<b>1</b>	
CLS 4300	Chemistry Practicum	<b>3</b>	
CLS 4301	Immunohematology Practicum	<b>3</b>	
CLS 4302	Microbiology Practicum	<b>3</b>	
CLS 4313	Hematology/Coagulation Practicum	<b>3</b>	