

**Illinois State University**  
**Bachelor of Science degree in Clinical Laboratory**  
**Science**



Undergraduate Plan of Study (effective 2008-2010 catalog)

**This plan is for CLS majors in the Standard Track who are completing General Education. Other students must contact an advisor for a plan of study.**

**GENERAL EDUCATION - Minimum 39 hours. Refer to ISU catalog for complete list of courses. No more than 3 credit hours may be chosen from major dept. *Italicized courses are required for CLS.***

**INNER CORE**

___ ENG 101 Composition & Critical Inquiry	3hrs	
___ COMM 110 Communication & Critical Inquiry	3hrs	
___ MATH MAT 120 – <i>Finite Mathematics</i>	4hrs	
___ Natural Science Alternatives		
<i>BSC 196 – Biological Diversity</i>	4hrs	S
<i>CHE 140 – General Chemistry I</i>	4hrs	F

**MIDDLE CORE**

___ Quantitative Reasoning	3hrs
___ Language in the Humanities	3hrs
___ United States Traditions	3hrs
___ Individuals in Civic Life	3hrs
___ Individuals and Societies	3hrs

**OUTER CORE**

___ <b>XX</b> Science, Math and Technology <i>Exempt – disciplinary competence</i>	
___ Fine Arts	3hrs
___ Humanities	3hrs
___ Social Science	3hrs

*Note: Outer Core must include at least one Global Studies course.*

**Recommended electives for CLS majors**

___ HSC 105 Medical Terminology	3hrs
___ HSC 204.02 Health Data Analysis	3hrs
___ ITK 150 Using Microcomputer Productivity Tools	3hrs

**MAJOR COURSE REQUIREMENTS – all required courses must be completed with a grade of C or higher**

___ BSC 197 Molecular & Cellular Basis of Life	4hrs	F
___ BSC 260 Microbiology	4hrs	
___ CHE 141 General Chemistry II	4hrs	S
___ CHE 220 Organic Chemistry	5hrs	

**PROFESSIONAL HSC COURSES**

___ HSC 260 Intro Clinical Immunohematology	3hrs	F
___ HSC 261 Intro Clinical Hematology	4hrs	F
___ HSC 262 Intro Clinical Chemistry	4hrs	F
___ HSC 263 Intro Clinical Immunology	3hrs	F
___ HSC 301 Intro Coag/Hemostasis	2hrs	S
___ HSC 302 Intro Clinical Biochemistry	3hrs	S
___ HSC 308 Intro Clinical Microbiology	4hrs	S

**MAJOR ELECTIVES – 6 hrs req**

___ BSC/KNR 181 Human Anatomy & Physiology I*	4/3hrs
___ BSC/KNR 182 Human Anatomy & Physiology II*	4/3hrs
___ BSC 203 Cell Biology	3hrs
___ BSC 219 Genetics	3hrs
___ BSC 220 Lab in Molecular Genetics & Cell Biology	2hrs
___ BSC 283 Animal Physiology	3hrs
___ CHE 215 Fundamentals of Analytical Chemistry	2hrs
___ CHE 242 Basic Biochemistry	3hrs

*\*Two semesters of Anatomy & Physiology must be from the same department\**

**PROFESSIONAL PRACTICE ROTATION**

___ HSC 398.22 Biochemistry	2hrs	F
___ HSC 398.23 Serology	1hr	F
___ HSC 398.24 Urinalysis & Body Fluids	1hr	F
___ HSC 398.27 Hematology	2hrs	F
___ HSC 398.28 Microbiology	4hrs	F
___ HSC 398.29 Immunohematology	2hrs	F
___ HSC 312 Clinical Chemistry	3hrs	S
___ HSC 315 Clinical Parasitology & Mycology	2hrs	S
___ HSC 316 CLS Research Design	1hr	S
___ HSC 317 Clinical Hematology	2hrs	S
___ HSC 318 Clinical Microbiology	2hrs	S
___ HSC 319 Clinical Immunohematology	3hrs	S
___ HSC 325 Laboratory Education & Management	2hrs	S

For more information, contact us at: ISU Department of Health Sciences. Phone (309) 438-8329. e-mail [hscinfo@ilstu.edu](mailto:hscinfo@ilstu.edu). On the Web at <http://www.healthsciences.ilstu.edu/>