

**Capital Scholars Honors Program
Advising Guide for Clinical Laboratory Science Majors
2008-2009 (FOUR YEAR)**

Capital Scholars Honors Program Requirements	29 Hrs.
Foreign Language Requirement	(0)4 to16 Hrs.
Prerequisites for CLS	26-27 Hrs.
General Education Requirements: (Math-Skilled, Math-Applied, Oral Communication, Visual, Creative, or Performing Arts & Social/ Behavioral Science)	17 Hrs.
Engaged Citizenship Common Experience (ECCE) Requirements:	13 Hrs.

Recommended Course Schedule

First Year:

Fall Semester	Hours	Spring Semester	Hours
CAP 111: Honors Composition	3	CAP 115: Interdisciplinary Writing	3
CAP 122: Who Am I?	3	CAP 123: How Do You Know?	3
CHE 141: Principles of Chemistry I	4	CHE 241: Principles of Chemistry II	4
BIO 141: Unity of Living Organisms	4	BIO 241: Biology of Organisms in the Environment or Anat & Physiol I (LLCC)	4 or 3
Foreign Language: 1 st semester	4	Foreign Language: 2 nd Semester	4
<i>TOTAL</i>	<i>18</i>	<i>TOTAL</i>	<i>17-18</i>

Summer First Year:

Summer Semester	Hours
MAT 111: Quant Reasoning	3- 4
MAT 115: Calculus I	3
COM 112: Oral Communication	3
<i>TOTAL</i>	<i>6-7</i>

Second Year:

Fall Semester	Hours	Spring Semester	Hours
CAP 225: What is Good?	3	CAP 226: What is Power?	3
CHE 367: Fundamental Organic Reactions	3	CAP 250: Global Issues	3
Foreign Language: 3 rd Semester	4	Foreign Language: 4 th Semester	4
Bio 345: General Microbiology	3	Anat & Physiology II (or A&P I if not taken) or BIO 429: Human Physiology	4
BIO 346: Microbiology Lab	1	MAT 121: Applied Statistics	3
<i>TOTAL</i>	<i>14</i>	<i>TOTAL</i>	<i>17</i>

Summer Second Year:

Summer Semester	Hours
Visual/Creative/Performing Arts Requirement	3
Social Science	3
<i>Total</i>	<i>6</i>

Third Year:

Fall Semester	Hours	Spring Semester	Hours
CLS 448: Immunology	4	CHE 418: Biomolecular Lab	3
CHE 322: Lab Techniques	1	CHE 733: Physiol Chem	4
CLS 321: Seminar in CLS	2	CLS 405: Urinalysis	2
CLS 447: Medical My/Pa	4	BIO 347: Med Bacti	4
ECCE: Speaker Series	1		
<i>TOTAL</i>	<i>12</i>	<i>TOTAL</i>	<i>13</i>

Summer Third Year: (Required)

Summer Semester	Hours
CLS 401: Intro Clin Chem	2
CLS 402: Intro to Hem	2
CLS 403: Intro Immunohem	2
CLS 454: Adv. Chem	2
<i>Total</i>	<i>8</i>

Fourth Year:

Fall Semester	Hours	Spring Semester	Hours
CLS 404: Hemostasis	1	CLS 411: Health Care Mgmt.	3
CLS 452: Adv. Hem	2	CLS 456: Clin Correlation	2
CLS 451: Adv. Immunohem	2	Clinical Rotation Courses**	7-10
Clinical Rotation Courses**	7-10	CLS 499: Tutorial	3
<i>TOTAL</i>	<i>12-15</i>	<i>TOTAL</i>	<i>15-18</i>

****Clinical Rotation Courses**

(Monday through Friday in hospital laboratories, usually 7 AM- 3:30 PM)

CLS 421Clin Chem Lab	5 (includes Urinalysis, Immunology)
CLS 422Clin Hem Lab	4 (includes Hemostasis)
CLS 423Clin Micro Lab	4 (includes Mycol, Parasit, Virol)
CLS 424Clin Immunohem Lab	3
CLS 431Special Topics	1
Total	17

The CLS Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). The CLS Program provides students with academic and laboratory experiences both on-campus and in actual clinical settings. The program offers excellent laboratory facilities, a low student/teacher ratio, experienced faculty, and a job placement rate for graduates of 100%. Students complete clinical experiences at Memorial Medical Center in Springfield, Methodist Medical Center in Peoria, Decatur Memorial Hospital and St. Mary's Hospital in Decatur. Applicants need to consider transportation to and housing at clinical sites outside Springfield.

ECCE (Engaged Citizenship Common Experience) 13 Hours	Required CAP Courses That Count Towards ECCE
• U.S. Communities (3 hrs)	CLS 411: Health Care Management
• Global Awareness (3 hrs)	CAP 250: Global Issues
• Engagement Experience (3 hrs)	CAP 370: Peer Mentoring
• ECCE Elective (3 hrs)	3 rd Semester of Foreign Language CLS clinical rotation courses
• Speakers Series (1 hr)	