

**Capital Scholars Honors Program
Advising Guide for Clinical Laboratory Science Majors
2010-2011 (FOUR YEAR)**

Capital Scholars Honors Program Requirements:	32 Hrs.
Foreign Language Requirement:	(0)4 to16 Hrs.
Prerequisites for CLS:	26-27 Hrs.
General Education Requirements: (Math-Skills, 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

Year 1:

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
CAP 102: Introduction to Honors	2	BIO 241: Biology of Organisms in the Environment or Anat & Physiol I (LLCC)	4 or 3
CHE 141: Principles of Chemistry I	4	CHE 241: Principles of Chemistry II	4
BIO 141: Unity of Living Organisms	4		
<i>Total</i>	<i>16</i>	<i>Total</i>	<i>13-14</i>

Summer First Year:

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

Year 2:

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: 1 st Semester	4	Foreign Language: 2 nd Semester	4
Bio 345: General Microbiology	3	Anat & Physiology II (or A&P I if not taken) or BIO: 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 Behavioral Science	3
<i>Total</i>	<i>6</i>

Year 3:

Fall Semester	Hours	Spring Semester	Hours
CHE 433: Physiol Chem	4	CHE 418: Biomolecular Lab	3
CHE 322: Lab Techniques	1	CLS 448: Immunology	4
CLS 321: Seminar in CLS	2	CLS 405: Urinalysis	2
CLS 447: Medical My/Pa	4	CLS 347: Med Bacti	4
Foreign Language: 3 rd semester	4	Foreign Language: 4 th Semester	4
ECCE: Speaker Series	1		
<i>Total</i>	<i>16</i>	<i>Total</i>	<i>17</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>

Year 4:

Fall Semester	Hours	Spring Semester	Hours
CLS 404: Hemostasis	1	CLS 411: Health Care Mgmt. (ECCE- US Communities)	3
CLS 452: Adv. Hem	2	CLS 456: Clin Correlation	2
CLS 451: Adv. Immunohem	2	Clinical Courses**	7-10
Clinical Courses**	7-10	CLS 499: Tutorial	3
		CAP 402: Senior Seminar	1
<i>Total</i>	<i>12-15</i>	<i>Total</i>	<i>16-19</i>

****Clinical Courses (6 of these credit hours and count for ECCE: Elective and Engagement Experience)**

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

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

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	CAP and CLS Courses That Count Towards ECCE
• U.S. Communities (3 hrs)	CLS 411: Health Care Mgmt.
• Global Awareness (3 hrs)	CAP 250: Global Issues
• Engagement Experience (3 hrs)	CAP 370: Peer Mentoring or CLS Clinical Courses
• ECCE Elective (3 hrs)	3 rd Semester of Foreign Language or CLS Clinical Courses
• Speakers Series (1 hr)	

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