

**Capital Scholars Honors Program
Advising Guide for Biochemistry Majors
2022-2023**

Recommended Course Schedule

First Year

| Fall Semester | Hours | Spring Semester | Hours |
|--|----------------|---|----------------|
| CAP 111: Honors Composition | 3 Hrs. | CAP 115: Interdisciplinary Writing | 3 Hrs. |
| CAP 122: Who Am I? | 3 Hrs. | CAP 123: How Do You Know? | 3 Hrs. |
| CAP 102: Introduction to Honors | 2 Hrs. | Visual/Creative/Performing Arts Requirement | 3 Hrs. |
| Math 115: Calculus I (Skills) | 4 Hrs. | MAT 116: Calculus II (Applied) | 4 Hrs. |
| CHE 141: General Chemistry I (* Prerequisites) | 4 Hrs. | CHE 142: General Chemistry II | 4 Hrs. |
| CHE 143: Recitation for General Chemistry (must be taken concurrently with CHE 141) | 0 Hrs. | CHE 144: Recitation for General Chemistry II (must be taken at the same time as CHE 142) | 0 Hrs. |
| <i>Total</i> | <i>16 Hrs.</i> | <i>Total</i> | <i>17 Hrs.</i> |

* High school chemistry and placement in MAT 094 or higher. Students who took CHE 101, need a grade of B or higher.

Summer:

| | |
|-----------------------------|---------------|
| COM 112: Oral Communication | 3 Hrs. |
| <i>TOTAL</i> | <i>3 Hrs.</i> |

Second Year

| Fall Semester | Hours | Spring Semester | Hours |
|--|----------------|---|----------------|
| CAP 225: What is Good? | 3 Hrs. | CAP 226: What is Power? | 3 Hrs. |
| CHE 267: Organic Chemistry I (also offered in the summer) | 3 Hrs. | CHE 269: Organic Chemistry II | 3 Hrs. |
| CHE 268: Organic Chemistry I Lab | 1 Hrs. | CHE 271 Organic Chemistry II lab | 1 Hr. |
| ASP 201: University Physics I | 4 Hrs. | ASP 202: University Physics II | 4 Hrs. |
| BIO 141: Unity of Living Organisms (optional, not required until Junior year) | 4 Hrs. | BIO 142: Biology of Organisms in the Environment | 4 Hrs. |
| Social/ Behavioral Science | 3 Hrs. | CAP 25x/35x: Global Issues | 3 Hrs. |
| <i>Total</i> | <i>18 Hrs.</i> | <i>Total</i> | <i>18 Hrs.</i> |

Honors Global Awareness Requirement: Junior and Senior Year (unless you take summer classes)

CAP 402: Senior Seminar (1 credit hour) - suggested fall semester of senior year.

All Chemistry Majors must complete 3 hours of CHE 400 ECCE: Undergraduate Research before graduation. Talk to your Chemistry faculty advisor in your sophomore and junior years to arrange this.

| ECCE (Engaged Citizenship Common Experience) 10 Hours | CAP Courses That Count Towards ECCE |
|---|---|
| <ul style="list-style-type: none"> U.S. Communities (3 hrs) Global Awareness (3 hrs) Engagement Experience (3 hrs) | CAP 25x/35x: Global Issues CAP 371: Peer Mentoring/ CAP 361: Peer Tutoring (also CHE 302 or CHE 400 Undergraduate Research) |
| <ul style="list-style-type: none"> Speakers Series (1 hr) | |

Students complete ECCE requirements in at least 2 of the 3 ECCE Categories-U.S. Communities, Global Awareness, Engagement Experience (per CAP and major requirements)-in addition to Speakers Series- 10 Hours.

Students who are pre-professional (pre-med, pre-vet, etc.) should review the pre-professional website and meet with a pre-professional advisor <http://www.uis.edu/preprofessional/>.