

**Capital Scholars Honors Program
Advising Guide for Mathematical Science Majors
2020-2021**

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 141: Environmental Biology & Chemistry I	4	CAP 142: Environmental Biology & Chemistry II	4
CAP 102: Introduction to Honors	2	Social/ Behavioral Science	3
MAT 115: Calculus I	4	MAT 116: Calculus II	4
<i>Total</i>	<i>16</i>	<i>Total</i>	<i>17</i>

Year 2:

Fall Semester	Hours	Spring Semester	Hours
CAP 225: What Is Good?	3	CAP 226: What Is Power?	3
MAT 217: Calculus III	4	CSC 225: Computer Science I (Not required but highly recommend)	3
MAT 332: Linear Algebra	4	Honors Global Awareness	3-4
Visual/Creative/Performing Arts Requirement	3	Com 112: Oral Communication	3
CAP 25x/35x: Global Issues	3	MAT 415: Advanced Calculus	4
<i>Total</i>	<i>17</i>	<i>Total</i>	<i>16-17</i>

**Honors Global Awareness Requirement will be completed your junior/senior year.
CAP 402: Senior Seminar (1 credit hour) – fall semester of senior year.**

ECCE (Engaged Citizenship Common Experience) 10 Hours	CAP Courses That Count Towards ECCE
• U.S. Communities (3 hrs)	
• Global Awareness (3 hrs)	CAP 25x/35x: Global Issues
• Engagement Experience (3 hrs)	CAP 371: Peer Mentoring/ CAP 361: Peer Tutoring
• 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.

Remaining Math courses for junior/senior year

MAT 330 Entrance Assessment (taken during Fall semester Junior year)
MAT 431 Mathematical Statistics I (taken during Fall semester Junior year)
MAT 444 Operations Research Methods (taken during Spring semester Junior year)
MAT 491 Exit Assessment (taken during Spring semester Senior year)
MAT Electives (need four of them; course number > 330)