

Name: \_\_\_\_\_ Year: \_\_\_\_\_ Major(s): \_\_\_\_\_

### College Core Requirements

Semester Taken	Requirement	Fulfilled by (Course)
	<b>QUESTION1: WHAT SHOULD MATTER TO ME?</b>	
	CIE-100	
	CIE-200	
	<b>QUESTION 2: HOW SHOULD WE LIVE TOGETHER?</b>	
	<i>Three courses. One course satisfying each of the following learning goals. No more than two can be taken within a student's major department.</i>	
	<b>DN</b> Engage diversity and inequality	
	<b>GN</b> Examine global interconnections	
	<b>O</b> Consider obligations	
	<b>QUESTION 3: HOW CAN WE UNDERSTAND THE WORLD?</b>	
	<i>One course satisfying each of the Ways of Asking requirements, except for the A requirement which can be fulfilled by one three- or four- credit course, or a total of four credits over multiple semesters. Although typically courses only will have one of these designations, a single course under question 3 can fulfill multiple question 3 or a combination of question 2 and 3 requirements.</i>	
	<b>A</b> Artistic/performance	
	<b>R</b> Deductive reasoning (was M Math)	
	<b>H</b> Humanistic inquiry	
	<b>Q</b> Quantitative reasoning	
	<b>S</b> Scientific inquiry/experimentation	
	<b>SS</b> Social scientific inquiry	
	<i>Two courses, both in the same language, satisfying the requirement:</i>	
	<b>L</b> Foreign Language	
	<b>L</b> Foreign Language	
	<i>Linked Inquiry requirement - Satisfied by completing one of the following: Team-taught course or Paired courses (learning community)</i>	
	<b>LINQ</b> Linked Inquiry requirement	
	<b>QUESTION 4: WHAT WILL I DO?</b>	
	<i>Satisfied by completing any course designated CCAP.</i>	
	<b>CCAP</b> Core Capstone	
	<i>Experiential Learning Project (XLP) by completing independent research, an internship, study abroad, or civic engagement.</i>	
	<b>XLP</b> Experiential Learning Project	

### Biology Major Requirements

Semester	Course	Course Title	
	<b>Biology 101Q</b>	Issues in Ecology & Evolution (Dawley, E., Dawley, R., Straub)	Fall
	<b>Biology 102Q</b>	Cell Biology (Bailey, Lobo, Round, Roberts)	Spring
	<b>Biology 201W</b>	Genetics (Cameron, Lyczak)	Fall

#### 24 Elective Credits

##### Molecular/Cellular Biology (two of the following)

	<b>Biology 220</b>	Innovation in Biology (Roberts)	<b>LINQ</b>	Spring
	<b>Biology/NEUR 225</b>	Glial Cell Biology (Favero)		Spring
	<b>Biology 306</b>	Human Physiology (Bailey)		Fall
	<b>Biology 328</b>	Protein Biogenesis (Cameron)		Spring
	<b>Biology 333</b>	Stem Cell Biology (Round)	<b>O</b>	
	<b>Biology 335</b>	Plant Physiology		
	<b>Biology 345</b>	Microbiology (Lobo)		Fall
	<b>Biology 346</b>	Developmental Biology (Lyczak)		Spring
	<b>Biology 349</b>	Experimental Physiology (Bailey)		
	<b>Biology 351</b>	Advanced Cell Biology (King)	<b>S, O</b>	
	<b>Biology 425W</b>	Human Molecular Genetics (Lyczak)	<b>CCAP</b>	Fall
	<b>Biology/BCMB 426W</b>	Molecular Biology (Lobo)		Spring
	<b>Biology 428W</b>	Genomics (Cameron)	<b>S, CCAP</b>	Spring
	<b>Biology/BCMB 429W</b>	Structural Biology (Roberts)		Spring
	<b>Biology/NEUR 431W</b>	Cellular Neurobiology (Round)		Fall

	Biology/BCMB/NEUR 433W	Molecular Neurobiology (King)	S, O	Spring
	Biology/NEUR 435W	Developmental Neurobiology (Favero)		Spring
	Biology 444W	Advanced Integrative Physiology (Bailey)		Spring
	Biology 449W	Immunology (Lobo)		Fall
	Biology 459W	Virology (Goddard)		Spring
	BCMB 351	Biochemistry I (Roberts)		Fall
	BCMB 452W	Biochemistry II		Spring

#### Organismal/Population Biology (two of the following)

Semester	Course	Course Title		
	Biology/ENV 234	The Nature of Food (Finney)		Spring
	Biology 305	Human Anatomy & Functional Morphology (Dawley)		Spring
	Biology 310	Biological Oceanography (Goddard)		
	Biology 320	Biology of Neotropics (Dawley)	XLP	
	Biology 324	Darwin & Evolution (Dawley, R.)		Spring
	Biology/ENV 325	Insect Biology (Straub)		Fall
	Biology 330	Marine Biology (Goddard)		
	Biology/ENV 334	Plant Biology (Finney)		Spring
	Biology/ENV 336	Freshwater Biology (Goddard)		
	Biology 359	Animal Behavior (Straub)		Spring
	Biology/ENV 365	Ornithology (Dawley, E.)		Fall
	Biology/ENV 415W	Ecology (Finney)	O	Fall
	Biology 442W	Mammalogy (Dawley, E.)		Spring
	Biology/ENV 455W	Conservation Biology (Straub)		Spring

#### One Capstone Course

Semester	Course	Course Title		
	Biology/ENV 415W	Ecology (Finney)	O	Fall
	Biology 425W	Human Molecular Genetics (Lyczak)	CCAP	Fall
	Biology/BCMB 426W	Molecular Biology (Lobo)		Spring
	Biology 428W	Genomics (Cameron)	S, CCAP	Spring
	Biology/BMCB 429W	Structural Biology (Roberts)		Spring
	Biology/NEUR 431W	Cellular Neurobiology (Round)		Fall
	Biology/BCMB/NEUR 433W	Molecular Neurobiology (King)	S, O	Spring
	Biology/NEUR 435W	Developmental Neurobiology (Favero)		Spring
	Biology 442W	Mammalogy (Dawley, E.)		Spring
	Biology 444W	Advanced Integrative Physiology (Bailey)		Spring
	Biology 449W	Immunology (Lobo)		Fall
	Biology/ENV 455W	Conservation Biology (Straub)		Spring
	Biology 459W	Virology (Goddard)		Spring
	Biology 492W	Honors Research	XLP	
	BCMB 452W	Biochemistry II		

**Highlighted** Courses are not L.S.      **BOLDED** courses are offered every year

#### Other

Semester	Course	Course Title		
	Biology 300	Learning to Lead (Favero/King)	CCAP	Fall
	Biology 382	Internship	XLP	

Research (a maximum of 10 credit hours of research, including no more than 3 credit hours from among BIO-391 and 392, may be applied to the major. A maximum of 12 credit hours of research may be applied to graduation

Semester	Semester	Course	Course Title (Designation)	
		Biology 391	Directed Research (1)	
		Biology 392	Directed Research (2)	
		Biology 481	Independent Research (4)	XLP

	Biology 485	Off-Campus Research (4)	XLP
	Biology 491	Honors Research (4)	XLP
	Biology 492W	Honors Research (4)	XLP

#### Required Courses

Semester	Course	Course Title (Designation)
	Chemistry 107/107LQ	General Chemistry I
	Chemistry 108/108L	General Chemistry II
	OR Chemistry 151/151LQ	Advanced General Chemistry
	And Chemistry 207/207L	Organic Chemistry I
<b>Two of the Following</b>		
	Math 111	Calculus I
	Math 112	Calculus II
	Stat 141Q	Statistics I
	Stat 242	Statistics II
	Stat 243W	Biostatistics
	CS 173	Introduction to Computer Science

#### Recommended of all majors

Semester	Course	Course Title
	Physics 111Q/111L	General Physics I
	Physics 112/112L	General Physics II
	Chemistry 207/207L	Organic Chemistry I
	Chemistry 208/208L	Organic Chemistry II

Year (Credits: 128 needed)	Fall	Spring	Total
Freshman Year			
Sophomore Year			
Junior Year			
Senior Year			

## SUMMARY OF DOUBLE-COUNTING RULES

Can a course that counts as → also count as ↓	Question 2 (D, G, O)	Question 3 (A, H, L, Q, R, S, SS)
Question 2 (D, G, O)	<b>No.</b> Example: a course cannot count as a <b>D</b> and a <b>G</b> simultaneously.	<b>Yes.</b> Example: a course can count as a <b>D</b> and an <b>SS</b> simultaneously.
Question 3 (A, H, L, Q, R, S, SS)	<b>Yes.</b> Example: a course can count as a <b>D</b> and an <b>SS</b> simultaneously.	<b>Yes.</b> Example: a course can count as an <b>A</b> and an <b>H</b> simultaneously.