

# Biology, AS



## Casper College

### FRESHMAN YEAR

Fall Semester				Hrs	Spring Semester				Hrs
ENGL	1010	English I: Composition		3			Cultural Environment Requirement		3
MATH	2200	Calculus I		4	ENGL	1020	English II: Composition		3
BIOL	1010	General Biology I		4	BIOL	2022	Animal Biology <i>OR</i>		4
CHEM	1025	Chemistry I		3	BIOL	2023	Plant & Fungal Biology <i>OR</i>		
CHEM	1028	Chemistry I Laboratory		1	MOLB	2210	General Microbiology		
					CHEM	1035	Chemistry II		3
					CHEM	1038	Chemistry II Laboratory		1
<b>TOTAL</b>				<b><u>15</u></b>	<b>TOTAL</b>				<b><u>14</u></b>

### SOPHOMORE YEAR

Fall Semester				Hrs	Spring Semester				Hrs
		Physical Education Requirement		1			Math/Science Elective		4
POLS	1000	US & Wyoming Government*		3	CHEM	2300	Introductory Organic Chemistry <i>OR</i>		4
PSYC	1000	General Psychology* <i>OR</i>		3	CHEM	2320	Organic Chemistry I**(3 hours)		
ANTH	1200	Cultural Anthropology* (for UW ASG)			CHEM	2325	Organic Chemistry Laboratory I		1
BIOL	2022	Animal Biology <i>OR</i>		4	PHYS	1120	General Physics II		4
BIOL	2023	Plant & Fungal Biology <i>OR</i>			STAT	2050	Fundamentals of Statistics		4
MOLB	2210	General Microbiology							
PHYS	1110	General Physics I		4					
<b>TOTAL</b>				<b><u>15</u></b>	<b>TOTAL</b>				<b><u>17</u></b>
<b>TOTAL CASPER AS DEGREE HOURS</b>									<b><u>61</u></b>

Successful completion of the 2+2 plan requires that a student remain continuously enrolled and graduate with the associate's degree from his or her respective community college. • This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the catalogs of their respective institutions and consult with their academic advisor to plan accordingly. • Academic plans and course schedules may need to be altered if ACT or Math Placement scores require a student to take pre-college courses (e.g., MATH 0900, 0921, or 0925) before taking required math or English courses.

#### Casper College requirements:

In order to graduate, students must successfully complete a minimum of 60 approved credit hours, with 15 of the last 30 semester hours completed as a degree-seeking student at Casper College, and with a grade point average of 2.0 or higher in those courses counted toward graduation. • Students must earn at least 24 of the semester credits applied toward graduation through the completion of Casper College coursework, including at least six (6) hours with the desired major. • Only courses numbered 1000 or above can be used toward the degree.

#### University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U.

#### UW College of Arts and Sciences requirements:

Students must take two "core" courses in addition to UW's University Studies Program requirements: Diversity in the United States (ASD) and Global Awareness (ASG). • No more than 60 hours in the major subject may be used toward the 120 credit hours required for graduation. • At least 30 hours in the major subject must be completed with a grade of C or better (the major may require more).

# Biology, BS



University of Wyoming

## JUNIOR YEAR

Fall Semester				Hrs	Spring Semester				Hrs
		A&S Global Awareness	ASG	3			A&S Diversity in the US	ASD	3
COSC	1010	Computational Science*		4	LIFE	3500	Evolutionary Biology		3
LIFE	3050	Genetics		4	MOLB	3610	Principles of Biochemistry		4
LIFE	3400	General Ecology		3			Upper Division Electives		6
<b>TOTAL</b>				<b><u>14</u></b>	<b>TOTAL</b>				<b><u>16</u></b>

## SENIOR YEAR

Fall Semester				Hrs	Spring Semester				Hrs
BOT	4100	Scientific Communication AND	C3	2			Upper Division Electives		12
BOT	4101	Scientific Communication Discussion	C3	1			Elective		3
LIFE	3600	Cell Biology		4					
		Upper Division Electives		8					
<b>TOTAL</b>				<b><u>15</u></b>	<b>TOTAL</b>				<b><u>15</u></b>
<b>TOTAL UW HOURS</b>								<b><u>60</u></b>	
<b>TOTAL UW BS DEGREE HOURS</b>								<b><u>121</u></b>	

### Casper College Program Notes:

\* Other options may be available; please check with your advisor.

\*\*Students with interests in premedicine, predentistry, and preoptometry should take CHEM 2320/2325.

### UW Program Notes:

\* Other options may be available; please check with your advisor.