

**Advising Template**  
**BS Biology - General Biology**  
**2024-25 catalog**

**Courses should be selected with academic advisor/mentor - different career paths benefit from specific selections and additional courses or completion of a minor; additional science courses are recommended. Course sequences are scheduled, but may change to accommodate faculty loading.**

**Year 1**

Fall Semester			Spring Semester		
BIOL 102/102L	General Biology II & Lab (SLO 6)	4	BIOL 101/101L	General Biology I & Lab	4
CHEM 121	Introductory Chemistry (unless had HS chem)	3	CHEM 131/131L	College Chemistry I & Lab	4
FYI 169Y (ES 1)	Select one	3	FYI 169Y (ES 1)	Select one	3
ENG 135 (ES 2)	Rhetoric & Writing	3	(ES 3)	Select one	3
MATH 232 (ES 4)	Applied Statistics	3			
<b>Total Hours</b>		<b>16</b>	<b>Total Hours</b>		<b>14</b>

**Year 2**

Fall Semester			Spring Semester		
Select One:		4	Select One:		4
BIOL 244/244L	Zoology & Lab (Fall odd years)		BIOL 243/243L	Botany & Lab (Spring even years)	
BIOL 241/241L	Microbiology & Lab		BIOL 332/332L	Genetics & Lab	
CHEM 132/132L	College Chemistry II & Lab	4	BIOL/CHEM	upper division elective - select one	3
(ES 7)	Select one	3	(ES 8)	Select one	3
(ES 11)	Select one	3	(ES 10)	Select one	3
			elective	Select one	3
<b>Total Hours</b>		<b>14</b>	<b>Total Hours</b>		<b>16</b>

**Year 3**

Fall Semester			Spring Semester		
Select One:		4	Select One:		4
BIOL 244/244L	Zoology & Lab (Fall odd years)		BIOL 243/243L	Botany & Lab (Spring even years)	
BIOL 241/241L	Microbiology & Lab		BIOL 332/332L	Genetics & Lab	
BIOL 336/336L	General Ecology	3	BIOL/CHEM	upper division elective - select one	3
BIOL/CHEM	upper division elective - select one	3	(ES 6)	Select one	3
(ES 5)	Select one	3	elective	Select one	3
elective	Select one	3	elective	Select one	3
<b>Total Hours</b>		<b>16</b>	<b>Total Hours</b>		<b>16</b>

**Year 4**

Fall Semester			Spring Semester		
BIOL 458	Evolution	3	BIOL 499	Biology Capstone (ES 12)	3
BIOL 449	Molecular Biology of the Cell	3	BIOL/CHEM	upper division elective - select one	1-4
elective	Select one	3	(ES 9)	Select one	3
elective	Select one	3	elective	Select one	3
elective	Select one	3	elective	Select one	3
<b>Total Hours</b>		<b>15</b>	<b>Total Hours</b>		<b>13-16</b>

\*List Selection (at least 9 upper division biology or chemistry credits):