

## Bachelor of Science in Biological Sciences - Concentration in Cell and Molecular (Starting with ENGL 100 and MATH 115)

### TOTAL UNITS TO DEGREE:

	Course	Course Title	Units			Course	Course Title	Units	
<b>FALL (Yr 1, Semester 1)</b>						<b>SPRING (Yr 1, Semester 2)</b>			
*Prereq	MATH 115	Algebra	3			B2/LD Major	BIOL 140A	Principles of Cell & Mol. Biology	5
	MATH 15	College Algebra Workshop	1			*Prereq	MATH 120	Precalculus	3
A2	ENGL 100	College Writing Stretch I (English Comp)	3			A1	COMM 100	Communication	3
C1		Student choice	3			A2	ENGL 101	College Writing Stretch II (English Comp)	3
D1		Student choice	3			C2		Student choice	3
E	GS 101A	Foundations of Success I	1			E	GS 101B	Foundations of Success II	1
		<b>TOTAL:</b>	<b>14</b>					<b>TOTAL:</b>	<b>18</b>
<b>FALL (Yr 2, Semester 3)</b>						<b>SPRING (Yr 2, Semester 4)</b>			
LD Major	BIOL 140B	Principles of Organismal Biology	5			LD Major	CHEM 112	General Chemistry II	5
B1/LD Major	CHEM 111	General Chemistry I	5			UD Major	BIOL 410	Genetic Analysis II	3
UD Major	BIOL 310	Genetic Analysis I	4			B4/LD Major	MATH 130	Calculus	4
A3	PHIL 100	Workshop in Critical Thinking	3			2nd Comp	ENGL 201	College Writing II	3
						D2/CODE 1		Student choice	3
		<b>TOTAL:</b>	<b>17</b>					<b>TOTAL:</b>	<b>18</b>
<b>FALL (Yr 3, Semester 5)</b>						<b>SPRING (Yr 3, Semester 6)</b>			
B3/LD Major	PHYS 125	Principles of Physics I	4			LD Major	PHYS 126	Principles of Physics II	4
UD Major	CHEM 331	Organic Chemistry I	5			UD Major	CHEM 332	Organic Chemistry II	5
UD Major	BIOL 424	Bioinformatics	3			UD Major	BIOL 428	Genomics	3
D3/CODE 2		Student choice	3			D4		Student Choice	3
		<b>TOTAL:</b>	<b>15</b>					<b>TOTAL:</b>	<b>15</b>
<b>FALL (Yr 4, Semester 7)</b>						<b>SPRING (Yr 4, Semester 8)</b>			
UD Major	CHEM 441	Biochemistry I	4			UD Major	BIOL 426	Advanced Mol. & Cell Biology	3
**UD Maj Elec		Student choice	3-5			UD Major	BIOL 427	Mol and Cell Biology Lab	3
UD Major	BIOL 320	Evolutionary Biology	3			**UD Maj Elec		Student choice	2-4
C3		Student choice	3			B6		Student Choice	3
						C4		Student Choice	3
		<b>TOTAL:</b>	<b>13-15</b>					<b>TOTAL:</b>	<b>14-16</b>

\*Is a prerequisite for a required major course; does not count toward major unit count.

\*\*A minimum of 7 upper division elective units required

Note: Placement of GE courses are suggestions and may be moved following consultation with an advisor