

# Cell Molecular and Developmental Biology

## *B.S. Sample Program Plans*

*All course plans assume student has no AP, IB or transfer units and ENGL1A placement  
 Updated 10/2024*

### **Math Placement: Math 3**

Year One

Fall	Winter	Spring	Summer
MATH 3 (3)	MATH 6A (4)	MATH 6B (4)	CHEM 1B, 1LB (5)
ENGL 1A (4)	ENGL 1B (4)	CHEM 1A, 1LA (5)	CHEM 1C, 1LC (5)
Breadth (4)	Breadth (4)	Breadth (4)	
Breadth (4)	Breadth (4)		
<i>Units 15</i>	<i>16</i>	<i>13</i>	<i>10</i>

Year Two

CHEM 8A, 8LA (4)	CHEM 8B, 8LB (4)	CHEM 8C, 8LC (4)	
BIOL 5A, 5LA (5)	BIOL 5B (4)	BIOL 5C (4)	
MATH 7A (4)	MATH 7B (4)	PHYS 2A, 2LA (5)	
<i>Units 13</i>	<i>12</i>	<i>13</i>	

Year Three

BCH 100 (4)	CBNS 101 (4)	BIOL 107A (4)	
PHYS 2B, 2LB (5)	PHYS 2C, 2LC (5)	CBNS 108 (4)	
BIOL 102 (4)	STAT 10 (5)	Major Elective (4)	
		Breadth (4)	
<i>Units 13</i>	<i>14</i>	<i>16</i>	

Year Four

Major Elective (4)	Major Elective (4)	Major Elective (4)	
Depth (4)	Major Elective (4)	Major Elective (4)	
Depth (4)	Depth (4)	Depth (4)	
ENGL 1C (4)	Elective (1)	Breadth (4)	
<i>Units 16</i>	<i>13</i>	<i>16</i>	<i>180 total</i>

### **Math Placement: MATH 6A**

Year One

Fall	Winter	Spring	Summer
MATH 6A (4)	MATH 6B (4)	MATH 7A (4)	
ENGL 1A (4)	CHEM 1A, 1LA (5)	CHEM 1B, 1LB (5)	
Breadth (4)	ENGL 1B (4)	BIOL 5A, 5LA (5)	
Breadth (4)	Breadth (4)	ENGL 1C (4)	
<i>Units 16</i>	<i>17</i>	<i>18</i>	

Year Two

CHEM 1C, 1LC (5)	CHEM 8A, 8LA (4)	CHEM 8B, 8LB (4)	
BIOL 5B (4)	BIOL 5C (4)	PHYS 2A, 2LA (5)	
MATH 7B (4)	STAT 10 (5)	Breadth (4)	
<i>Units 13</i>	<i>13</i>	<i>13</i>	

Year Three

BCH 100 (4)	BIOL 102 (4)	BIOL 107A (4)	
PHYS 2B, 2LB (5)	PHYS 2C, 2LC (5)	Major Elective (4)	
CHEM 8C, 8LC (4)	Depth (4)	Major Elective (4)	
	Breadth (4)	Breadth (4)	
<i>Units 13</i>	<i>17</i>	<i>16</i>	

Year Four

CNBS 101 (4)	Major Elective (4)	CBNS 108 (4)	
Major Elective (4)	Major Elective (4)	Major Elective (4)	
Depth (4)	Depth (4)	Depth (4)	
Breadth (4)	Elective (4)		
<i>Units 16</i>	<i>16</i>	<i>12</i>	<i>180 total</i>

**Math Placement: MATH 5A\***

	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
<u>Year One</u>	MATH 5A* (5)	MATH 7A (4)	MATH 7B (4)	
	ENGL 1A (4)	CHEM 1A, 1LA (5)	CHEM 1B, 1LB (5)	
	Breadth (4)	ENGL 1B (4)	BIOL 5A, 5LA (5)	
	Breadth (4)	Breadth (4)	ENGL 1C (4)	
	<i>Units 17</i>	<i>17</i>	<i>18</i>	
<u>Year Two</u>	CHEM 1C, 1LC (5)	CHEM 8A, 8LA (4)	CHEM 8B, 8LB (4)	
	BIOL 5B (4)	BIOL 5C (4)	PHYS 2C, 2LC (5)	
	PHYS 2A, 2LA (5)	PHYS 2B, 2LB (5)	STAT 10 (5)	
	<i>Units 14</i>	<i>13</i>	<i>14</i>	
<u>Year Three</u>	BCH 100 (4)	BIOL 102 (4)	CBNS 108 (4)	
	CHEM 8C, 8LC (4)	Major Elective (4)	Major Elective (4)	
	Breadth (4)	Breadth (4)	Depth (4)	
		Breadth (4)	Breadth (4)	
	<i>Units 12</i>	<i>16</i>	<i>16</i>	
<u>Year Four</u>	CBNS 101 (4)	BIOL 107A (4)	Major Elective (4)	
	Major Elective (4)	Major Elective (4)	Major Elective (4)	
	Depth (4)	Depth (4)	Depth (4)	
	Breadth (4)	Elective (4)		
	<i>Units 16</i>	<i>16</i>	<i>12</i>	<b><i>181 total</i></b>

**Math Placement: MATH 7A**

	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
<u>Year One</u>	MATH 7A (4)	MATH 7B (4)	CHEM 1C, 1LC (5)	
	CHEM 1A, 1LA (5)	CHEM 1B, 1LB (5)	BIOL 5B (4)	
	ENGL 1A (4)	BIOL 5A, 5LA (5)	ENGL 1C (4)	
	Breadth (4)	ENGL 1B (4)	Breadth (4)	
	<i>Units 17</i>	<i>18</i>	<i>17</i>	
<u>Year Two</u>	CHEM 8A, 8LA (4)	CHEM 8B, 8LB (4)	CHEM 8C, 8LC (4)	
	PHYS 2A, 2LA (5)	PHYS 2B, 2LB (5)	PHYS 2C, 2LC (5)	
	BIOL 5C (4)	STAT 10 (5)	Breadth (4)	
	<i>Units 13</i>	<i>14</i>	<i>13</i>	
<u>Year Three</u>	BCH 100 (4)	BIOL 107A (4)	CBNS 108 (4)	
	BIOL 102 (4)	Major Elective (4)	Major Elective (4)	
	Breadth (4)	Breadth (4)	Breadth (4)	
		Breadth (4)	Elective (4)	
	<i>Units 12</i>	<i>16</i>	<i>16</i>	
<u>Year Four</u>	CBNS 101 (4)	Major Elective (4)	Major Elective (4)	
	Major Elective (4)	Major Elective (4)	Depth (4)	
	Depth (4)	Depth (4)	Depth (4)	
	Elective (4)	Elective (4)		
	<i>Units 16</i>	<i>16</i>	<i>12</i>	<b><i>180 total</i></b>

**Math Placement: MATH 7B or Higher**

	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
<b>Year One</b>	MATH 7B (4)	CHEM 1B, 1LB (5)	CHEM 1C, 1LC (5)	
	CHEM 1A, 1LA (5)	BIOL 5A, 5LA (5)	BIOL 5B (4)	
	ENGL 1A (4)	ENGL 1B (4)	ENGL 1C (4)	
	Breadth (4)	Breadth (4)	Breadth (4)	
	<i>Units 17</i>	<i>18</i>	<i>17</i>	
<b>Year Two</b>	CHEM 8A, 8LA (4)	CHEM 8B, 8LB (4)	CHEM 8C, 8LC (4)	
	PHYS 2A, 2LA (5)	PHYS 2B, 2LB (5)	PHYS 2C, 2LC (5)	
	BIOL 5C (4)	STAT 10 (5)	Breadth (4)	
	<i>Units 13</i>	<i>14</i>	<i>13</i>	
	<b>Year Three</b>	BCH 100 (4)	BIOL 107A (4)	CBNS 108 (4)
BIOL 102 (4)		Major Elective (4)	Major Elective (4)	
Breadth (4)		Breadth (4)	Breadth (4)	
		Elective (4)	Elective (4)	
<i>Units 12</i>		<i>16</i>	<i>16</i>	
<b>Year Four</b>	CBNS 101 (4)	Major Elective (4)	Major Elective (4)	
	Major Elective (4)	Major Elective (4)	Depth (4)	
	Depth (4)	Depth (4)	Depth (4)	
	Elective (4)	Elective (4)		
	<i>Units 16</i>	<i>16</i>	<i>12</i>	<b><i>180 total</i></b>

*\*MATH5 if taken before Fall 2022*