

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 12/2022

Math Placement is Intermediate Algebra (ARC 35)

	Fall	Winter	Spring	Summer
Year One	ARC 035 (0)	MATH 6A (4)	MATH 6B (4)	CHEM 1A, 1LA (5)
	ENGL 1A (4)	ENGL 1B (4)	ENGL 1C (4)	CHEM 1B, 1LB (5)
	Breadth or Elective (4)	Breadth or Elective (4)	Breadth or Elective (4)	10
	Breadth or Elective (4)	Breadth or Elective (4)	Breadth or Elective (4)	
	Units 12	16	16	(54)
Year Two	CHEM 1C, 1LC (5)	CHEM 8A, 8LA (4)	CHEM 8B, 8LB (4)	
	BIOL 5A, 5LA (5)	BIOL 5B (4)	BIOL 5C (4)	
	MATH 7A (4)	MATH 7B (4)	PHYS 2A, 2LA (5)	
	Units 14	12	13	(39)
Year Three	CHEM 8C, 8LC (4)	BCH 100 (4)	BIOL 107A (4)	
	PHYS 2B, 2LB (5)	PHYS 2C, 2LC (5)	Major Elective (4)	
	BIOL 102 (4)	STAT 10 (5)	Major Elective (4)	
			Breadth or Elective (4)	
	Units 13	14	16	(43)
Year Four	CBNS 101 (4)	Major Elective (4)	CBNS 108 (4)	
	Major Elective (4)	Major Elective (4)	Major Elective (4)	
	Depth (4)	Depth (4)	Depth (4)	
	Depth (4)		Breadth or Elective (4)	
	Units 16	12	16	(44) 180 total

Math Placement is MATH 6A

	Fall	Winter	Spring	Summer
Year One	MATH 6A (4)	MATH 6B (4)	MATH 7A (4)	
	ENGL 1A (4)	CHEM 1A, 1LA (5)	CHEM 1B, 1LB (5)	
	Breadth or Elective (4)	ENGL 1B (4)	BIOL 5A, 5LA (5)	
	Breadth or Elective (4)	Breadth or Elective (4)	ENGL 1C (4)	
	Units 16	17	18	(51)
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 or Elective (4)	
	Units 13	13	13	(39)
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 or Elective (4)	Breadth or Elective (4)	
	Units 13	17	16	(46)
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 or Elective (4)	Breadth or Elective (4)		
	Units 16	16	12	(44) 180 total

Math Placement is MATH 5A*

	Fall	Winter	Spring	Summer
<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 or Elective (4)	ENGL 1B (4)	BIOL 5A, 5LA (5)	
	Breadth or Elective (4)	Breadth or Elective (4)	ENGL 1C (4)	
	<i>Units 17</i>	<i>17</i>	<i>18</i>	<i>(52)</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>	<i>(41)</i>
<u>Year Three</u>	BCH 100 (4)	BIOL 102 (4)	BIOL 107A (4)	
	CHEM 8C, 8LC (4)	Major Elective (4)	Major Elective (4)	
	Breadth or Elective (4)	Breadth or Elective (4)	Depth (4)	
		Breadth or Elective (4)	Breadth or Elective (4)	
	<i>Units 12</i>	<i>16</i>	<i>16</i>	<i>(44)</i>
<u>Year Four</u>	CBNS 101 (4)	Major Elective (4)	CBNS 108 (4)	
	Major Elective (4)	Major Elective (4)	Major Elective (4)	
	Depth (4)	Depth (4)	Depth (4)	
	Breadth or Elective (4)	Breadth or Elective (4)		
	<i>Units 16</i>	<i>16</i>	<i>12</i>	<i>(44) 181 total</i>

Math Placement is MATH 7A

	Fall	Winter	Spring	Summer
<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 or Elective (4)	ENGL 1B (4)	Breadth or Elective (4)	
	<i>Units 17</i>	<i>18</i>	<i>17</i>	<i>(52)</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 or Elective (4)	
	<i>Units 13</i>	<i>14</i>	<i>13</i>	<i>(40)</i>
<u>Year Three</u>	BCH 100 (4)	BIOL 107A (4)	CBNS 101 (4)	
	BIOL 102 (4)	Major Elective (4)	Major Elective (4)	
	Breadth or Elective (4)	Breadth or Elective (4)	Breadth or Elective (4)	
		Breadth or Elective (4)	Breadth or Elective (4)	
	<i>Units 12</i>	<i>16</i>	<i>16</i>	<i>(44)</i>
<u>Year Four</u>	Major Elective (4)	Major Elective (4)	CBNS 108 (4)	
	Major Elective (4)	Major Elective (4)	Depth (4)	
	Depth (4)	Depth (4)	Depth (4)	
	Breadth or Elective (4)	Breadth or Elective (4)		
	<i>Units 16</i>	<i>16</i>	<i>12</i>	<i>(44) 180 total</i>

Math Placement is MATH 7B or Higher

Year One

Fall	Winter	Spring	Summer
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 or Elective (4)	Breadth or Elective (4)	Breadth or Elective (4)	
<i>Units 17</i>	<i>18</i>	<i>17</i>	<i>(52)</i>

Year Two

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 or Elective (4)	
<i>Units 13</i>	<i>14</i>	<i>13</i>	<i>(40)</i>

Year Three

BCH 100 (4)	BIOL 107A (4)	CBNS 101 (4)	
BIOL 102 (4)	Major Elective (4)	Major Elective (4)	
Breadth or Elective (4)	Breadth or Elective (4)	Breadth or Elective (4)	
	Breadth or Elective (4)	Breadth or Elective (4)	
<i>Units 12</i>	<i>16</i>	<i>16</i>	<i>(44)</i>

Year Four

Major Elective (4)	Major Elective (4)	CBNS 108 (4)	
Major Elective (4)	Major Elective (4)	Depth (4)	
Depth (4)	Depth (4)	Depth (4)	
Breadth or Elective (4)	Breadth or Elective (4)		
<i>Units 16</i>	<i>16</i>	<i>12</i>	<i>(44) 180 total</i>

*MATH5 if taken before Fall 2022