

Microbiology

B.S. Sample Program Plans

All course plans assume student has no AP/IB or transfer units and ENGL1A placement
 Updated 12/2024

Math Placement is Math 3

Year One

Fall	Winter	Spring	Summer
Math 3 (3)	MATH 6A (4)	MATH 6B (4)	BIOL 5B (4)
ENGL 1A (4)	ENGL 1B (4)	ENGL 1C (4)	CHEM 1B, 1LB (5)
Breadth (4)	Breadth (4)	CHEM 1A, 1LA (5)	9
Breadth (4)	Breadth (4)	BIOL 5A, 5LA (5)	
Units 15	16	18	(58)

Year Two

CHEM 1C, 1LC (5)	CHEM 8A, 8LA (4)	CHEM 8B, 8LB (4)	
BIOL 5C (4)	Breadth (4)	Breadth (4)	
MATH 7A (4)	MATH 7B (4)	PHYS 2A, 2LA(5)	
Units 13	12	13	(38)

Year Three

CHEM 8C, 8LC (4)	BIOL 102 (4)	BIOL 107A (4)	
PHYS 2B, 2LB (5)	PHYS 2C, 2LC (5)	Major Elective (4)	
STAT 10 (5)	BCH 100 (4)	Major Elective (3)	
		Breadth (4)	
Units 14	13	15	(42)

Year Four

MCBL 131 (4)	MCBL131L (4)	MCBL 125 (4)	
Major Elective (4)	Depth (4)	Major Elective (4)	
Major Elective (3)	Depth (4)	Depth (4)	
Depth (4)	Breadth or Elective (4)		
Units 15	16	12	(43) 181 total

Math Placement is MATH 6A

Year One

Fall	Winter	Spring	Summer
MATH 6A (4)	MATH 6B (4)	MATH 7A (4)	CHEM 1C, 1LC (5)
ENGL 1A (4)	CHEM 1A, 1LA (5)	CHEM 1B, 1LB (5)	Breadth (4)
Breadth (4)	ENGL 1B (4)	BIOL 5A, 5LA (5)	9
Breadth (4)		ENGL 1C (4)	
Units 16	13	18	(56)

Year Two

CHEM 8A, 8LA (4)	CHEM 8B, 8LB (4)	CHEM 8C, 8LC (4)	
BIOL 5B (4)	BIOL 5C (4)	PHYS 2A, 2LA (5)	
MATH 7B (4)	STAT 10 (5)	BCH 100 (4)	
Units 12	13	13	(38)

Year Three

BIOL 107A (4)	PHYS 2C, 2LC (5)	MCBL 125 (4)	
PHYS 2B, 2LB (5)	BIOL 102 (4)	Major Elective (4)	
MCBL 131 (4)	MCBL131L (4)	Breadth (4)	
Breadth (4)	Depth (4)	Breadth (4)	
Units 17	17	16	(50)

Year Four

Breadth (4)	Major Elective (4)	Major Elective (4)	
Major Elective (4)	Major Elective (4)	Breadth or Elective (4)	
Depth (4)	Depth (4)	Depth (4)	
Units 12	12	12	(36) 180 total

Math Placement is MATH 5A*

Year One

Fall	Winter	Spring	Summer
MATH 5A* (5)	MATH 7A (4)	MATH 7B (4)	CHEM 1C, 1LC (5)
ENGL 1A (4)	CHEM 1A, 1LA (5)	CHEM 1B, 1LB (5)	Breadth (4)
Breadth (4)	BIOL 5A, 5LA (5)	BIOL 5B (4)	(9)
	ENGL 1B (4)		
<i>Units 13</i>	<i>18</i>	<i>13</i>	<i>(53)</i>

Year Two

CHEM 8A, 8LA (4)	CHEM 8B, 8LB (4)	CHEM 8C, 8LC (4)	
BIOL 5C (4)	STAT 10 (5)	PHYS 2C, 2LC (5)	
PHYS 2A, 2LA (5)	PHYS 2B, 2LB (5)	BCH 100 (4)	
<i>Units 13</i>	<i>14</i>	<i>13</i>	<i>(40)</i>

Year Three

BIOL 107A (4)	BIOL 102 (4)	MCBL 125 (4)	
MCBL 131 (4)	MCBL 131L (4)	Major Elective (4)	
Breadth (4)	Breadth (4)	Major Elective (4)	
	Breadth (4)		
<i>Units 12</i>	<i>16</i>	<i>12</i>	<i>(40)</i>

Year Four

Major Elective (4)	Depth (4)	Depth (4)	
Major Elective (3)	Major Elective (4)	Depth (4)	
Depth (4)	Breadth (4)	ENGL 1C (4)	
Breadth (4)	Breadth or Elective (4)	Breadth or Elective (4)	
<i>Units 15</i>	<i>16</i>	<i>16</i>	<i>(47) 180 total</i>

Math Placement is MATH 7A

Year One

Fall	Winter	Spring	Summer
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>	<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 (4)	
<i>Units 13</i>	<i>14</i>	<i>13</i>	<i>(40)</i>

Year Three

BCH 100 (4)	BIOL 107A (4)	MCBL 125 (4)	
BIOL 102 (4)	MCBL 131L (4)	Major Elective (4)	
MCBL 131 (4)	Breadth (4)	Major Elective (4)	
	Breadth (4)	Breadth (4)	
<i>Units 12</i>	<i>16</i>	<i>16</i>	<i>(44)</i>

Year Four

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

Year Three

BCH 100 (4)	BIOL 107A (4)	MCBL 125 (4)	
BIOL 102 (4)	MCBL 131L (4)	Major Elective (4)	
MCBL 131 (4)	Breadth (4)	Major Elective (4)	
	Breadth (4)	Breadth (4)	
<i>Units 12</i>	<i>16</i>	<i>16</i>	<i>(44)</i>

Year Four

Major Elective (4)	Major Elective (4)	Depth (4)	
Major Elective (4)	Depth (4)	Depth (4)	
Depth (4)	Breadth or Elective (4)	Breadth or Elective (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*