

# Microbiology

## 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)

Year One

Fall	Winter	Spring	Summer
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)	
<i>Units 12</i>	<i>16</i>	<i>16</i>	<i>(54)</i>

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)	
<i>Units 14</i>	<i>12</i>	<i>13</i>	<i>(39)</i>

Year Three

CHEM 8C, 8LC (4)	MCBL 121 (4)	BIOL 107A (4)	
PHYS 2B, 2LB (5)	PHYS 2C, 2LC (5)	MCBL121L (3)	
STAT 10 (5)	BCH 100 (4)	Major Elective (3)	
		Breadth or Elective (4)	
<i>Units 14</i>	<i>13</i>	<i>14</i>	<i>(41)</i>

Year Four

BIOL 102 (4)	Major Elective (4)	MCBL 125 (4)	
Major Elective (4)	Other (4)	Major Elective (4)	
Major Elective (3)	Other (4)	Other (4)	
Other (4)	Breadth or Elective (4)	Breadth or Elective (4)	
<i>Units 15</i>	<i>16</i>	<i>16</i>	<i>(47) 181 total</i>

### 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 or Elective (4)
Breadth or Elective (4)	ENGL 1B (4)	BIOL 5A, 5LA (5)	9
Breadth or Elective (4)	Breadth or Elective (4)	ENGL 1C (4)	
<i>Units 16</i>	<i>17</i>	<i>18</i>	<i>(60)</i>

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)	Breadth or Elective (4)	
<i>Units 12</i>	<i>13</i>	<i>13</i>	<i>(38)</i>

Year Three

BCH 100 (4)	PHYS 2C, 2LC (5)	BIOL 107A (4)	
PHYS 2B, 2LB (5)	MCBL121L (3)	Major Elective (3)	
MCBL 121 (4)	Major Elective (4)	Major Elective (3)	
	Other (4)	Breadth or Elective (4)	
<i>Units 14</i>	<i>16</i>	<i>14</i>	<i>(44)</i>

Year Four

BIOL 102 (4)	Major Elective (3)	MCBL 125 (4)	
Major Elective (4)	Major Elective (4)	Major Elective (4)	
Other (4)	Other (4)	Other (4)	
	Breadth or Elective (4)	Breadth or Elective (4)	
<i>Units 12</i>	<i>15</i>	<i>16</i>	<i>(43) 185 total</i>

**Math Placement is MATH 5A\***

Year One

<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
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 or Elective (4)
Breadth or Elective (4)	ENGL 1B (4)	BIOL 5A, 5LA (5)	9
Breadth or Elective (4)	Breadth or Elective (4)	ENGL 1C (4)	
<i>Units 17</i>	<i>17</i>	<i>18</i>	<i>(61)</i>

Year Two

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

Year Three

BCH 100 (4)	BIOL 107A (4)	MCBL 125 (4)	
MCBL 121 (4)	MCBL 121L (3)	Major Elective (4)	
BIOL 102 (4)	Breadth or Elective (4)	Major Elective (4)	
	Breadth or Elective (4)		
<i>Units 12</i>	<i>15</i>	<i>12</i>	<i>(39)</i>

Year Four

Major Elective (4)	Major Elective (3)	Other (4)	
Major Elective (3)	Other (4)	Other (4)	
Major Elective (4)	Other (4)	Breadth or Elective (4)	
Breadth or Elective (4)	Breadth or Elective (4)		
<i>Units 15</i>	<i>15</i>	<i>12</i>	<i>(42) 182 total</i>

**Math Placement is MATH 7A**

Year One

<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
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>

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)	MCBL 125 (4)	
BIOL 102 (4)	MCBL 121L (3)	Major Elective (4)	
MCBL 121 (4)	Breadth or Elective (4)	Major Elective (4)	
	Breadth or Elective (4)	Breadth or Elective (4)	
<i>Units 12</i>	<i>15</i>	<i>16</i>	<i>(43)</i>

Year Four

Major Elective (4)	Major Elective (3)	Other (4)	
Major Elective (3)	Other (4)	Other (4)	
Other (4)	Breadth or Elective (4)	Breadth or Elective (4)	
Breadth or Elective (4)	Breadth or Elective (4)	Breadth or Elective (4)	
<i>Units 15</i>	<i>15</i>	<i>16</i>	<i>(46) 181 total</i>

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

Year One

<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</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 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)	MCBL 125 (4)	
BIOL 102 (4)	MCBL 121L (3)	Major Elective (4)	
MCBL 121 (4)	Breadth or Elective (4)	Major Elective (4)	
	Breadth or Elective (4)	Breadth or Elective (4)	
<i>Units 12</i>	<i>15</i>	<i>16</i>	<i>(43)</i>

Year Four

Major Elective (4)	Major Elective (3)	Other (4)	
Major Elective (3)	Other (4)	Other (4)	
Other (4)	Breadth or Elective (4)	Breadth or Elective (4)	
Breadth or Elective (4)	Breadth or Elective (4)	Breadth or Elective (4)	
<i>Units 15</i>	<i>15</i>	<i>16</i>	<i>(46) 181 total</i>

\*MATH5 if taken before Fall 2022