

# Microbiology

## *B.S. Sample Program Plans* Updated May 2019

### 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)	
	<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)	BCH 100 (4)	BIOL 107A (4)	
	PHYS 2B, 2LB (5)	PHYS 2C, 2LC (5)	MCBL 121 (4)	
	BIOL 102 (4)	STAT 100A (5)	Major Elective (3)	
		Other (4)	Breadth or Elective (4)	
	<i>Units 13</i>	<i>18</i>	<i>15</i>	<i>(46)</i>
Year Four	Major Elective (4)	MCBL121L (3)	MCBL 125 (4)	
	Major Elective (4)	Other (4)	Major Elective (4)	
	Major Elective (3)	Other (4)	Other (4)	
	Breadth or Elective (4)	Breadth or Elective (4)		
	<i>Units 15</i>	<i>15</i>	<i>12</i>	<i>(42) 181 total</i>

### Math Placement is MATH 6A

	Fall	Winter	Spring	Summer
Year One	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 100A (5)	Breadth or Elective (4)	
	<i>Units 12</i>	<i>13</i>	<i>13</i>	<i>(38)</i>
Year Three	BCH 100 (4)	BIOL 102 (4)	BIOL 107A (4)	
	PHYS 2B, 2LB (5)	PHYS 2C, 2LC (5)	MCBL 121 (4)	
	Breadth or Elective (4)	Other (4)	Major Elective (3)	
			Breadth or Elective (4)	
	<i>Units 13</i>	<i>13</i>	<i>15</i>	<i>(41)</i>
Year Four	Other (4)	MCBL121L (3)	MCBL 125 (4)	
	Major Elective (4)	Major Elective (4)	Major Elective (4)	
	Major Elective (3)	Major Elective (4)	Other (4)	
	Breadth or Elective (4)	Other (4)		
	<i>Units 15</i>	<i>15</i>	<i>12</i>	<i>(42) 181 total</i>

**Math Placement is MATH 5**

Year One

<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
MATH 5 (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 100A (5)	
<i>Units 13</i>	<i>13</i>	<i>14</i>	<i>(40)</i>

Year Three

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

Year Four

Major Elective (4)	Major Elective (3)	MCBL 125 (4)	
Major Elective (3)	Other (4)	Other (4)	
Breadth or Elective (4)	Other (4)	Other (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 100A (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 121L (3)	
BIOL 102 (4)	MCBL 121 (4)	Major Elective (4)	
Breadth or Elective (4)	Breadth or Elective (4)	Major Elective (4)	
	Breadth or Elective (4)	Breadth or Elective (4)	
<i>Units 12</i>	<i>16</i>	<i>15</i>	<i>(43)</i>

Year Four

Major Elective (4)	Major Elective (3)	MCBL 125 (4)	
Major Elective (3)	Other (4)	Other (4)	
Breadth or Elective (4)	Other (4)	Other (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 100A (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 121L (3)	
BIOL 102 (4)	MCBL 121 (4)	Major Elective (4)	
Breadth or Elective (4)	Breadth or Elective (4)	Major Elective (4)	
	Breadth or Elective (4)	Breadth or Elective (4)	
<i>Units 12</i>	<i>16</i>	<i>15</i>	<i>(43)</i>

Year Four

Major Elective (4)	Major Elective (3)	MCBL 125 (4)	
Major Elective (3)	Other (4)	Other (4)	
Breadth or Elective (4)	Other (4)	Other (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>

All course plans assume student has no AP, IB or transfer units.

