

# BIOLOGY (BA)

## Program Map

### Suggested four year course schedule with MATH 0999B Support for College Algebra B or MATH 0999C Support for College Algebra C

Course	Title	Credit Hours
<b>First Year</b>		
<b>Fall</b>		
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1
AREA C	Fine Arts	3
AREA E	World Culture	3
BIOL 1715	Professionalism and Careers in Biology (Highly recommended Area F Guided Elective to be taken in the first year.)	1
ENGL 1101	English Composition I (minimum grade of C)	3
MATH 1111	College Algebra (minimum grade of C)	3
MATH 0999B or MATH 0999C	Support for College Algebra B <sup>1</sup> or Support for College Algebra C	
<b>Credit Hours</b>		<b>14</b>
<b>Spring</b>		
BIOL 1231K	minimum grade of C	4
CHEM 1211 & 1211L	Principles of Chemistry I and Principles of Chemistry I Lab (minimum grade of C)	4
ENGL 1102	English Composition II (minimum grade of C)	3
AREA G	Foreign Language 1001 (minimum grade of C)	3
MATH 1113	Pre-Calculus (minimum grade of C) <sup>2</sup>	4
<b>Credit Hours</b>		<b>18</b>
<b>Second Year</b>		
<b>Fall</b>		
BIOL 1232K	minimum grade of C	4
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C)	4
AREA G	Foreign Language 1002 (minimum grade of C)	3
KINS 1106 or PHED 1205	Lifetime Wellness or Concepts of Fitness	2
STAT 1401	Elementary Statistics (minimum grade of C)	3
<b>Credit Hours</b>		<b>16</b>
<b>Spring</b>		
BIOL 2206K	Organismic Biology I (minimum grade of C)	4
BIOL 2207K	Organismic Biology II (minimum grade of C)	4
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002	3

AREA G	Foreign Language 2001 (minimum grade of C)	3
AREA I	Minor Requirement	3
<b>Credit Hours</b>		<b>17</b>
<b>Third Year</b>		
<b>Fall</b>		
AREA E	Behavioral Science	3
AREA I	Elective (minimum grade of C)	2
BIOL 3215K	Cell Biology (minimum grade of C)	4
BIOL 3216K	Genetics (minimum grade of C)	4
POLS 1101	American Government	3
<b>Credit Hours</b>		<b>16</b>
<b>Spring</b>		
AREA C	Humanities	3
BIOL 3217K	Ecology (minimum grade of C)	4
AREA H	BIOL Cell/Molecular Senior Elective (minimum grade of C)	4
AREA I	Minor Requirement	3
AREA I	Minor Requirement	3
<b>Credit Hours</b>		<b>17</b>
<b>Fourth Year</b>		
<b>Fall</b>		
BIOL 4795	Capstone Senior Seminar (minimum grade of C)	2
AREA H	BIOL Organismal Senior Elective (minimum grade of C)	4
HIST 2111 or HIST 2112	U. S. History to 1865 or U. S. History since 1865	3
AREA I	Minor Requirement	3
PEDS Activity		1
<b>Credit Hours</b>		<b>13</b>
<b>Spring</b>		
AREA I	Elective	2
AREA H	BIOL Ecology/Evolution Senior Elective (minimum grade of C)	4
AREA I	Minor Requirement	3
AREA I	Minor Requirement	3
<b>Credit Hours</b>		<b>12</b>
<b>Total Credit Hours</b>		<b>123</b>

<sup>1</sup> Notes: MATH 0999B (2 credits) or MATH 0999C (1 credit) don't count toward the degree.

<sup>2</sup> Notes: MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area I.

### Suggested four year course schedule with MATH 1111 College Algebra

Course	Title	Credit Hours
<b>First Year</b>		
<b>Fall</b>		
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1

AREA C	Fine Arts	3
BIOL 1231K	minimum grade of C	4
BIOL 1715	Professionalism and Careers in Biology (Highly recommended Area F Guided Elective to be taken in the first year.)	1
ENGL 1101	English Composition I (minimum grade of C)	3
MATH 1111	College Algebra (minimum grade of C)	3
<b>Credit Hours</b>		<b>15</b>

**Spring**

BIOL 1232K	minimum grade of C	4
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002	3
ENGL 1102	English Composition II (minimum grade of C)	3
AREA G	Foreign Language 1001 (minimum grade of C)	3
MATH 1113	Pre-Calculus (minimum grade of C) <sup>1</sup>	4
<b>Credit Hours</b>		<b>17</b>

**Second Year****Fall**

BIOL 2206K	Organismic Biology I (minimum grade of C)	4
CHEM 1211 & 1211L	Principles of Chemistry I and Principles of Chemistry I Lab (minimum grade of C)	4
AREA G	Foreign Language 1002 (minimum grade of C)	3
KINS 1106 or PHED 1205	Lifetime Wellness or Concepts of Fitness	2
STAT 1401	Elementary Statistics (minimum grade of C)	3
<b>Credit Hours</b>		<b>16</b>

**Spring**

BIOL 2207K	Organismic Biology II (minimum grade of C)	4
BIOL 3216K	Genetics (minimum grade of C)	4
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C)	4
AREA G	Foreign Language 2001 (minimum grade of C)	3
AREA I	Minor Requirement	3
<b>Credit Hours</b>		<b>18</b>

**Third Year****Fall**

AREA E	Behavioral Science	3
AREA I	Elective (minimum grade of C)	2
BIOL 3215K	Cell Biology (minimum grade of C)	4
AREA I	Minor Requirement	3
POLS 1101	American Government	3
<b>Credit Hours</b>		<b>15</b>

**Spring**

AREA C	Humanities	3
AREA E	World Culture	3
BIOL 3217K	Ecology (minimum grade of C)	4

AREA H	BIOL Cell/Molecular Senior Elective (minimum grade of C)	4
AREA I	Minor Requirement	3
<b>Credit Hours</b>		<b>17</b>

**Fourth Year****Fall**

BIOL 4795	Capstone Senior Seminar (minimum grade of C)	2
AREA H	BIOL Organismal Senior Elective (minimum grade of C)	4
HIST 2111 or HIST 2112	U. S. History to 1865 or U. S. History since 1865	3
AREA I	Minor Requirement	3
PEDS Activity		1
<b>Credit Hours</b>		<b>13</b>

**Spring**

AREA I	Elective	2
AREA H	BIOL Ecology/Evolution Senior Elective (minimum grade of C)	4
AREA I	Minor Requirement	6
<b>Credit Hours</b>		<b>12</b>
<b>Total Credit Hours</b>		<b>123</b>

<sup>1</sup> Notes: MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area I.

### Suggested four year course schedule with MATH 1113 Pre-Calculus or higher

Course	Title	Credit Hours
<b>First Year</b>		
<b>Fall</b>		
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1
AREA C	Fine Arts	3
BIOL 1231K	minimum grade of C	4
BIOL 1715	Professionalism and Careers in Biology (Highly recommended Area F Guided Elective to be taken in the first year.)	1
CHEM 1211 & 1211L	Principles of Chemistry I and Principles of Chemistry I Lab (minimum grade of C)	4
ENGL 1101	English Composition I (minimum grade of C)	3
<b>Credit Hours</b>		<b>16</b>
<b>Spring</b>		
BIOL 1232K	minimum grade of C	4
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C)	4
ENGL 1102	English Composition II (minimum grade of C)	3
MATH 1113	Pre-Calculus (minimum grade of C) <sup>1</sup>	4
<b>Credit Hours</b>		<b>15</b>

<b>Second Year</b>		
<b>Fall</b>		
BIOL 2206K	Organismic Biology I (minimum grade of C)	4
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002	3
AREA G	Foreign Language 1001 (minimum grade of C)	3
KINS 1106 or PHED 1205	Lifetime Wellness or Concepts of Fitness	2
STAT 1401	Elementary Statistics (minimum grade of C)	3
<b>Credit Hours</b>		<b>15</b>
<b>Spring</b>		
BIOL 2207K	Organismic Biology II (minimum grade of C)	4
BIOL 3216K	Genetics (minimum grade of C)	4
AREA G	Foreign Language 1002 (minimum grade of C)	3
AREA I	Minor Requirement	3
<b>Credit Hours</b>		<b>14</b>
<b>Third Year</b>		
<b>Fall</b>		
AREA E	Behavioral Science	3
AREA I	Elective (minimum grade of C)	2
BIOL 3215K	Cell Biology (minimum grade of C)	4
AREA G	Foreign Language 2001 (minimum grade of C)	3
POLS 1101	American Government	3
<b>Credit Hours</b>		<b>15</b>
<b>Spring</b>		
AREA C	Humanities	3
AREA E	World Culture	3
BIOL 3217K	Ecology (minimum grade of C)	4
AREA H	BIOL Cell/Molecular Senior Elective (minimum grade of C)	4
AREA I	Minor Requirement	3
<b>Credit Hours</b>		<b>17</b>
<b>Fourth Year</b>		
<b>Fall</b>		
BIOL 4795	Capstone Senior Seminar (minimum grade of C)	2
AREA H	BIOL Organismal Senior Elective (minimum grade of C)	4
HIST 2111 or HIST 2112	U. S. History to 1865 or U. S. History since 1865	3
AREA I	Minor Requirement	3
AREA I	Minor Requirement	3
PEDS Activity		1
<b>Credit Hours</b>		<b>16</b>
<b>Spring</b>		
AREA I	Elective	2
Area G	Elective	3
AREA H	BIOL Ecology/Evolution Senior Elective (minimum grade of C)	4
AREA I	Minor Requirement	3

AREA I	Minor Requirement	3
<b>Credit Hours</b>		<b>15</b>
<b>Total Credit Hours</b>		<b>123</b>

<sup>1</sup> Notes: MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area I.