

Effective August 1, 2013

## CURRICULUM FOR THE BIOLOGY MAJOR

### First Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
BIOL 230 Cell & Genetic Biology <sup>Ⓞ#</sup>	3	BIOL 120 Organismic Biology <sup>Ⓞ#</sup>	3
BIOL 231 Cell & Genetic Biology Laboratory <sup>#</sup>	1	BIOL 121 Organismic Biology Laboratory <sup>#</sup>	1
ENGL 101 English Composition I <sup>Ⓞ#</sup>	3	ENGL 102 English Composition II <sup>Ⓞ#</sup>	3
CHEM 231 General Chemistry <sup>#</sup>	4	CHEM 232 General Chemistry <sup>#</sup>	4
CHEM 233 General Chemistry Laboratory <sup>#</sup>	1	CHEM 234 General Chemistry Laboratory <sup>#</sup>	1
MATH 107 Pre-Calculus Algebra <sup>\$#</sup>	4	MATH 108 Pre-Calculus Trigonometry <sup>\$#</sup>	4
OREN 100 General Orientation I	1	OREN 101 General Orientation II	1
<b>Total</b>	<b>17 credits</b>	<b>Total</b>	<b>17 credits</b>

### Second Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
BIOL 250 Molecular Cell & Genetic Biology <sup>#</sup>	3	BIOL 305 Animal Physiology <sup>#</sup>	4
BIOL 251 Molecular Cell & Genetic Biology Laboratory <sup>#</sup>	1	CHEM 321 Organic Chemistry I <sup>#</sup>	3
CHEM 320 Organic Chemistry I <sup>#</sup>	3	CHEM 323 Organic Chemistry I Laboratory <sup>#</sup>	2
CHEM 322 Organic Chemistry Laboratory <sup>#</sup>	2	PHED Physical Education Elective <sup>***</sup>	1
MATH 207 Analytic Geometry & Calculus I <sup>Ⓞ#</sup>	4	PSYC 270 Introduction to Psychology <sup>Ⓞ</sup>	3
PHED Physical Education Elective <sup>***</sup>	1	FPAR or MUSC Creative Expression Elective <sup>Ⓞ**</sup>	2
CSCI Computer Science Elective <sup>Ⓞ**</sup>	3	ENGL 203 or 204 Critical Thinking & Technical Writing <sup>Ⓞ</sup>	3
<b>Total</b>	<b>17 credits</b>	<b>Total</b>	<b>18 credits</b>

### Third Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
BIOL 309 Genetics <sup>#</sup>	4	BIOL 360 Biochemistry of Cell Regulation <sup>#</sup>	3
PHYS 310 General Physics I	3	BIOL 361 Introduction to Methods in Biotechnology <sup>#</sup>	1
PHYS 313 General Physics I Laboratory	1	PHYS 311 General Physics II	3
EVSC 500 Biostatistics <sup>#</sup>	3	PHYS 314 General Physics II Laboratory	1
HIST 103 World Civilization I <sup>Ⓞ</sup>	3	PHIL 325 Philosophy of Science <sup>Ⓞ</sup>	3
SOCI 240 Introduction to Sociology <sup>Ⓞ</sup>	3	HIST 104 or 210 or 211 <sup>Ⓞ</sup>	3
<b>Total</b>	<b>17 credits</b>	<b>Total</b>	<b>14 credits</b>

### Fourth Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
BIOL 401 Biology Senior Seminar <sup>#</sup>	1	Biology Elective <sup>#</sup>	3
BIOL Diversity and Evolution <sup>#</sup>	3	Biology Elective <sup>#</sup>	3
Biology Elective <sup>#</sup>	4	General Elective	3
General Elective	2	General Elective	3
General Elective	2		
<b>Total</b>	<b>12 credits</b>	<b>Total</b>	<b>12 credits</b>

Ⓞ Core Curriculum

# A minimum of "C" is required in ALL BIOLOGY courses contributing to the 38 total hours in Biology, in all MATH and CHEMISTRY courses and in EVSC 500, ENGL 101 and 102.

\$ MATH 110 can be substituted for Math 107 & MATH 108.

\* 3 cr. selected from: CSCI 100, CSCI 150, CSCI 205, CSCI 229.

\*\* 2 cr. selected from: FPAR 101, FPAR 110, FPAR 203, FPAR 204, MUSC 102, MUSC 103, MUSC 110, MUSC 111, MUSC 112, MUSC 113, MUSC 208, MUSC 304, MUSC 305.

\*\*\* 2 cr. selected from: PHED 117, PHED 130, PHED 133, PHED 140, PHED 162, PHED 167, PHED 170, PHED 184.

ROTC may be substituted for PHED (see Core Curriculum for details).

Approved: \_\_\_\_\_  
John P. Davidson, Biology Chair, CAS

Approved: \_\_\_\_\_  
Fitzgerald B. Bramwell, Dean, CAS

Approved: \_\_\_\_\_  
Walter A. Hill, Provost