



**Bachelor of Science: Biology**  
**School of Mathematics, Science, and Engineering**  
**2017-2019 Catalogue**

<b>Freshman Year: Fall</b>		<b>Hrs.</b>
ENGL 1311 Composition I		3
RELS Core Course 1305, 1315, 1325, 1335		3
BIOL1402 Biology for Majors I & Laboratory*		4
CHEM 1301/1101 Chemistry Principles I		3
CHEM 1101 Chemistry Principles I Lab		1
<b>Total hours</b>		<b>14</b>
<b>Sophomore Year: Fall</b>		
ENGL 2310 World Literature		3
MATH 2303 or 2312		3
CHEM 2311/2111 Organic Chemistry I & Lab		4
BIOL 2321 Anatomy & Physiology I		3
BIOL 2121 Anatomy & Physiology I Lab		1
PHED Activity Course		1
<b>Total hours</b>		<b>15</b>
<b>Junior Year: Fall</b>		
Modern Language II		3
PHYS 1301/1101 or 2305/2105 Physics I		4
BIOL 3442 Ecology & Lab		4
BIOL 3361 Genetics		3
<b>Total hours</b>		<b>14</b>
<b>Senior Year: Fall</b>		
BIOL Elective (3000-4000 if needed)		4
UIW Upper Level Religion or Philosophy		3
Any Upper Level Elective if needed		3
BIOL Elective (3000-4000 if needed)		4
<b>Total hours</b>		<b>14</b>

<b>Freshman Year: Spring</b>		<b>Hrs.</b>
ENGL 1312 Composition II		3
BIOL 1403 Biology for Majors II & Laboratory*		4
CHEM 1302 Chemistry Principles II		3
CHEM 1102 Chemistry Principles I Lab		1
PHIL 1381 Intro to Philosophy		3
DWHP 1200 or 32001		2
<b>Total hours</b>		<b>16</b>
<b>Sophomore Year: Spring</b>		
Modern Language I		3
Social Science		3
BIOL 2322 Anatomy & Physiology II		3
BIOL 2122 Anatomy & Physiology II Lab		1
CHEM 2312/2111 Organic Chemistry II & Lab		4
History Core		3
<b>Total hours</b>		<b>17</b>
<b>Junior Year: Spring</b>		
PHYS 1302/1102 or 2306/2106 Physics II		4
BIOL Elective (3000-4000 if needed)		4
BIOL Elective (3000-4000 if needed)		3
BIOL 3311 Cell Biology		3
BIOL 3202 Research Methods-Cell/Molecular Genetics		
<b>Total hours</b>		<b>16</b>
<b>Senior Year: Spring</b>		
Fine Arts elective		3
General Elective		3
BIOL Elective (3000-4000 if needed)		4
BIOL Elective (3000-4000 if needed)		4
<b>Total hours</b>		<b>14</b>

**Major - Total Hours 43**  
**Degree - Total Hours 120**

Biology electives and general electives, as needed to reach minimum 120 hours to graduate & 36 advanced hours. \*BIOL 1402 and 1403 are not sequential, and can be taken in any order