

## B.S. Biological Sciences SBL Degree

*This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.*

### First Year

#### Fall

Course	Prerequisite	Credit
UN 1015 Composition		3
Math 1135 Calculus for Life Sciences	Yes	4
BL 1100 Gen Bio I		3
BL 1110 Gen Bio I Lab		1
Essential Education: Michigan Tech Seminar BL 1580		1
CH 1150 University Chem I	Yes	3
CH 1151 University Chem Lab 1	Yes	1
<b>Total</b>		<b>16</b>

#### Spring

Course	Prerequisite	Credit
Essential Education: Foundations of the Human World		3
Essential Education: Activities for Well-being and Success		1
Essential Education: Arts and Culture		3
BL 1200 Gen Bio II		3
BL 1210 Gen Bio II Lab		1
CH 1160 University Chemistry II	Yes	3
CH 1161 University Chemistry II Lab	Yes	1
<b>Total</b>		<b>15</b>

### Second Year

#### Fall

Course	Prerequisite	Credit
Essential Education: Shape Elective		3
CH 2410 Organic Chemistry I	Yes	3
CH 2411 Organic Chemistry I Lab	Yes	1
*Organismal Bio Lab Requirement choose from: BL 2010/2011 Anatomy I/Lab, BL 2160 Botany or BL 2170 Zoology	Yes	4
PH 1110 College Physics I	Yes	3
PH 1111 College Physics I Lab	Yes	1
<b>Total</b>		<b>15</b>

#### Spring

Course	Prerequisite	Credit
MA 3715 Biostatistics	Yes	3
BL 2200 Genetics	Yes	3
BL 2210 Genetics Lab	Yes	1
CH 2420 Organic Chemistry II	Yes	3
CH 2421 Organic Chemistry II Lab	Yes	2
PH 1210 College Physics II	Yes	3
PH 1200 College by Inquiry II	Yes	1
<b>Total</b>		<b>16</b>

\*BL2010/2011 only offered in Fall; BL 2160 and 2170 only in spring

### Third Year

#### Fall

Course	Prerequisite	Credit
Essential Education: Intercultural Competency		3
Essential Education: Activities for Well-being and Success		1
BL 3490 Ecology and Evolution	Yes	4
BL 3020 or BL 3025 Biochemistry	Yes	3
BL 3210 General Microbiology**	Yes	4
<b>Total</b>		<b>15</b>

\*\* Can choose BL 3310 Environmental Microbiology instead but this is only offered in spring semesters

#### Spring

Course	Prerequisite	Credit
Essential Education: Experience		3
BL 3782 Writing Practicum	Yes	2
BL 3012 Essential Cell Bio	Yes	3
Free Elective		3
Free Elective		3
<b>Total</b>		<b>14</b>

### Fourth Year

#### Fall

Course	Prerequisite	Credit
Essential Education: Activities for Well-being and Success		1
Essential Education: Communication Intensive		3
Approved Bio Sc Major Elective		3
Exp Learning Capstone		3
Free Elective		3
Free Elective		3
<b>Total</b>		<b>16</b>

#### Spring

Course	Prerequisite	Credit
BL 4600 Prof Dev Capstone	Yes	1
Approved Bio Sc Major Elective		3
Free Elective		3
Free Elective		3
Free Elective		1
Exp Learning Capstone		2
<b>Total</b>		<b>13</b>

**Grand Total = 120 Credits**