

3+2 BACHELOR OF SCIENCE / MASTER OF SCIENCE in BIOLOGY: General Biology Option and Thesis Track

<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left; width: 5%;">Cr.</th> <th style="text-align: center; width: 20%;">Fall Year 1</th> </tr> </thead> <tbody> <tr><td>4</td><td>BIOLOGY.114 Concepts in Biology I</td></tr> <tr><td>4</td><td>CHEM.115 Chemistry for the Sciences I</td></tr> <tr><td>3</td><td>MATH.123 Essentials of Calculus</td></tr> <tr><td>3</td><td>ENGLISH.101 Found Writing</td></tr> <tr><td>1</td><td>BIOLOGY.105 BAHS Fresh Semin</td></tr> <tr><td>15</td><td>Total Semester Credits</td></tr> </tbody> </table>	Cr.	Fall Year 1	4	BIOLOGY.114 Concepts in Biology I	4	CHEM.115 Chemistry for the Sciences I	3	MATH.123 Essentials of Calculus	3	ENGLISH.101 Found Writing	1	BIOLOGY.105 BAHS Fresh Semin	15	Total Semester Credits	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left; width: 5%;">Cr.</th> <th style="text-align: center; width: 20%;">Spring Year 1</th> </tr> </thead> <tbody> <tr><td>4</td><td>BIOLOGY.115 Concepts in Biology II</td></tr> <tr><td>4</td><td>CHEM.116 Chemistry for the Sciences II</td></tr> <tr><td>3</td><td>MATH.141 Introduction to Statistics</td></tr> <tr><td>3</td><td>Information Literacy GE Course</td></tr> <tr><td>2</td><td>Healthy Living GE</td></tr> <tr><td>16</td><td>Total Semester Credits</td></tr> </tbody> </table>	Cr.	Spring Year 1	4	BIOLOGY.115 Concepts in Biology II	4	CHEM.116 Chemistry for the Sciences II	3	MATH.141 Introduction to Statistics	3	Information Literacy GE Course	2	Healthy Living GE	16	Total Semester Credits		
Cr.	Fall Year 1																														
4	BIOLOGY.114 Concepts in Biology I																														
4	CHEM.115 Chemistry for the Sciences I																														
3	MATH.123 Essentials of Calculus																														
3	ENGLISH.101 Found Writing																														
1	BIOLOGY.105 BAHS Fresh Semin																														
15	Total Semester Credits																														
Cr.	Spring Year 1																														
4	BIOLOGY.115 Concepts in Biology II																														
4	CHEM.116 Chemistry for the Sciences II																														
3	MATH.141 Introduction to Statistics																														
3	Information Literacy GE Course																														
2	Healthy Living GE																														
16	Total Semester Credits																														
<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left; width: 5%;">Cr.</th> <th style="text-align: center; width: 20%;">Fall Year 2</th> </tr> </thead> <tbody> <tr><td>4</td><td>BIOLOGY.242 Microbiology</td></tr> <tr><td>4</td><td>CHEM.230 Fund of Organic Chemistry</td></tr> <tr><td>3</td><td>Foreign Language 101</td></tr> <tr><td>3</td><td>Social Sciences GE</td></tr> <tr><td>14</td><td>Total Semester Credits</td></tr> </tbody> </table>	Cr.	Fall Year 2	4	BIOLOGY.242 Microbiology	4	CHEM.230 Fund of Organic Chemistry	3	Foreign Language 101	3	Social Sciences GE	14	Total Semester Credits	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left; width: 5%;">Cr.</th> <th style="text-align: center; width: 20%;">Spring Year 2</th> </tr> </thead> <tbody> <tr><td>4</td><td>BIOLOGY.271 Cell Biology</td></tr> <tr><td>3</td><td>Foreign Language 102 GE</td></tr> <tr><td>3</td><td>Cultures and Diversity GE</td></tr> <tr><td>3</td><td>Arts and Humanities GE</td></tr> <tr><td>3</td><td>Citizenship GE</td></tr> <tr><td>16</td><td>Total Semester Credits</td></tr> </tbody> </table>	Cr.	Spring Year 2	4	BIOLOGY.271 Cell Biology	3	Foreign Language 102 GE	3	Cultures and Diversity GE	3	Arts and Humanities GE	3	Citizenship GE	16	Total Semester Credits				
Cr.	Fall Year 2																														
4	BIOLOGY.242 Microbiology																														
4	CHEM.230 Fund of Organic Chemistry																														
3	Foreign Language 101																														
3	Social Sciences GE																														
14	Total Semester Credits																														
Cr.	Spring Year 2																														
4	BIOLOGY.271 Cell Biology																														
3	Foreign Language 102 GE																														
3	Cultures and Diversity GE																														
3	Arts and Humanities GE																														
3	Citizenship GE																														
16	Total Semester Credits																														
<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left; width: 5%;">Cr.</th> <th style="text-align: center; width: 20%;">Fall Year 3</th> </tr> </thead> <tbody> <tr><td>4</td><td>BIOLOGY.351 Ecology</td></tr> <tr><td>4</td><td>PHYSICS.201 Introductory Physics 1</td></tr> <tr><td>3</td><td>BIOLOGY.290 Writing in Biology</td></tr> <tr><td>3</td><td>Cultures and Diversity GE</td></tr> <tr><td>1</td><td>Free Elective</td></tr> <tr><td>15</td><td>Total Semester Credits</td></tr> </tbody> </table>	Cr.	Fall Year 3	4	BIOLOGY.351 Ecology	4	PHYSICS.201 Introductory Physics 1	3	BIOLOGY.290 Writing in Biology	3	Cultures and Diversity GE	1	Free Elective	15	Total Semester Credits	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left; width: 5%;">Cr.</th> <th style="text-align: center; width: 20%;">Spring Year 3</th> </tr> </thead> <tbody> <tr><td>3</td><td>BIOLOGY.332 Genetics</td></tr> <tr><td>4</td><td>PHYSICS.202 Introductory Physics 2</td></tr> <tr><td>4</td><td>CHEM.341 Biochemistry</td></tr> <tr><td>3</td><td>Arts and Humanities GE</td></tr> <tr><td>14</td><td>Total Semester Credits</td></tr> </tbody> </table>	Cr.	Spring Year 3	3	BIOLOGY.332 Genetics	4	PHYSICS.202 Introductory Physics 2	4	CHEM.341 Biochemistry	3	Arts and Humanities GE	14	Total Semester Credits				
Cr.	Fall Year 3																														
4	BIOLOGY.351 Ecology																														
4	PHYSICS.201 Introductory Physics 1																														
3	BIOLOGY.290 Writing in Biology																														
3	Cultures and Diversity GE																														
1	Free Elective																														
15	Total Semester Credits																														
Cr.	Spring Year 3																														
3	BIOLOGY.332 Genetics																														
4	PHYSICS.202 Introductory Physics 2																														
4	CHEM.341 Biochemistry																														
3	Arts and Humanities GE																														
14	Total Semester Credits																														
<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left; width: 5%;">Cr.</th> <th style="text-align: center; width: 20%;">Fall Year 4</th> </tr> </thead> <tbody> <tr><td>3</td><td>BIOLOGY Graduate Elective</td></tr> <tr><td>3</td><td>BIOLOGY Graduate Elective</td></tr> <tr><td>3</td><td>Social Sciences GE</td></tr> <tr><td>3</td><td>Communication GE</td></tr> <tr><td>3</td><td>Free Elective</td></tr> <tr><td>15</td><td>Total Semester Credits</td></tr> </tbody> </table>	Cr.	Fall Year 4	3	BIOLOGY Graduate Elective	3	BIOLOGY Graduate Elective	3	Social Sciences GE	3	Communication GE	3	Free Elective	15	Total Semester Credits	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left; width: 5%;">Cr.</th> <th style="text-align: center; width: 20%;">Spring Year 4</th> </tr> </thead> <tbody> <tr><td>1</td><td>BIOLOGY.479 Integrated Physiology Lab</td></tr> <tr><td>3</td><td>BIOLOGY Physiology Req</td></tr> <tr><td>3</td><td>BIOLOGY Graduate Elective</td></tr> <tr><td>3</td><td>MATH.546 Biostatistics</td></tr> <tr><td>3</td><td>Free Elective</td></tr> <tr><td>2</td><td>Free Elective</td></tr> <tr><td>15</td><td>Total Semester Credits</td></tr> </tbody> </table>	Cr.	Spring Year 4	1	BIOLOGY.479 Integrated Physiology Lab	3	BIOLOGY Physiology Req	3	BIOLOGY Graduate Elective	3	MATH.546 Biostatistics	3	Free Elective	2	Free Elective	15	Total Semester Credits
Cr.	Fall Year 4																														
3	BIOLOGY Graduate Elective																														
3	BIOLOGY Graduate Elective																														
3	Social Sciences GE																														
3	Communication GE																														
3	Free Elective																														
15	Total Semester Credits																														
Cr.	Spring Year 4																														
1	BIOLOGY.479 Integrated Physiology Lab																														
3	BIOLOGY Physiology Req																														
3	BIOLOGY Graduate Elective																														
3	MATH.546 Biostatistics																														
3	Free Elective																														
2	Free Elective																														
15	Total Semester Credits																														
<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left; width: 5%;">Cr.</th> <th style="text-align: center; width: 20%;">Fall Year 5</th> </tr> </thead> <tbody> <tr><td>3</td><td>BIOLOGY Graduate Elective</td></tr> <tr><td>3</td><td>BIOLOGY Graduate Elective</td></tr> <tr><td>3</td><td>BIOLOGY.593 Master Science Thesis</td></tr> <tr><td>9</td><td>Total Semester Credits</td></tr> </tbody> </table>	Cr.	Fall Year 5	3	BIOLOGY Graduate Elective	3	BIOLOGY Graduate Elective	3	BIOLOGY.593 Master Science Thesis	9	Total Semester Credits	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left; width: 5%;">Cr.</th> <th style="text-align: center; width: 20%;">Spring Year 5</th> </tr> </thead> <tbody> <tr><td>3</td><td>BIOLOGY Graduate Elective</td></tr> <tr><td>3</td><td>BIOLOGY Graduate Elective</td></tr> <tr><td>3</td><td>BIOLOGY.593 Master Science Thesis</td></tr> <tr><td>9</td><td>Total Semester Credits</td></tr> </tbody> </table>	Cr.	Spring Year 5	3	BIOLOGY Graduate Elective	3	BIOLOGY Graduate Elective	3	BIOLOGY.593 Master Science Thesis	9	Total Semester Credits										
Cr.	Fall Year 5																														
3	BIOLOGY Graduate Elective																														
3	BIOLOGY Graduate Elective																														
3	BIOLOGY.593 Master Science Thesis																														
9	Total Semester Credits																														
Cr.	Spring Year 5																														
3	BIOLOGY Graduate Elective																														
3	BIOLOGY Graduate Elective																														
3	BIOLOGY.593 Master Science Thesis																														
9	Total Semester Credits																														

Total Credits 138