

**BIOLOGICAL SCIENCES BS  
BIOMEDICAL SCIENCE CONCENTRATION**

Year 1:

FALL		SPRING		
Course	Cr Hrs	Course	Cr Hrs	
BIOL F115X, Fund of Biology I	4	BIOL F116X, Fund of Biology II	4	
CHEM F105X, General Chemistry I	4	CHEM F106X, General Chemistry	4	
WRTG F111X, Intro Writing	3	GER Humanities	3	
SOC F101X Intro Sociology (GER)	3	COJO F131X or F141X, Comm.	3	
		LS F101X. Library Science	1	
Total:	14	Total:	15	
			First Yr Total Projected:	29

Year 2:

FALL		SPRING		
BIOL F260, Principles of Genetics	4	BIOL F360, Cell & Molecular Biology	3	
PHYS F123X, College Physics I	4	PHYS F124X, College Physics II	4	
MATH F251X, Calculus	4	STAT 200X	3	
WRTG F213X, Writing and the Sciences	3	GER Arts	3	
		ECON F201X Political Economy (GER)	3	
Total:	15	Total:	16	
			Second Yr Total Projected:	31

Year 3:

FALL		SPRING		
BIOL F111X, Human A&P I	4	BIOL F112X, Human A&P II	4	
Biomedical elective (e.g. BIOL F412)	3	BIOL F342, Microbiology	4	
Biology Breadth Elective (e.g. BIOL F425)	4	Biomedical Elective (e.g. BIOL F335)	3	
CHEM F321, Organic Chem I	4	CHEM F325, Organic Chem II	4	
Total:	15	Total:	15	
			Third Yr Total Projected:	30

Year 4:

FALL		SPRING		
Biology Elective Capstone (e.g. BIOL F491)	4	BIOL F481, Principles of Evolution	4	
PSY F101X Intro to Psychology (GER)	3	CHEM F351, Biochemistry	3	
PHIL F322X, Ethics	3	Open Elective	3	
Open Elective	3	Open Elective	4	
Open Elective	3			
Total:	16	Total:	14	
			Fourth Yr Total Projected:	30

**Total of four years projected: 120**

*GER - General Education Requirement*

*This is an example of a typical 4-year plan for a well-prepared student*

**BIOLOGICAL SCIENCES BS**  
**CELL AND MOLECULAR BIOLOGY CONCENTRATION**

Year 1:

FALL		SPRING		
Course	Cr Hrs	Course	Cr Hrs	
BIOL F115X, Fundamentals of Biology I	4	BIOL F116X, Fundamentals of Biology II	4	
CHEM F105X, Gen Chemistry I	4	CHEM F106X, Gen Chemistry	4	
WRTG F111X, Intro Writing	3	GER Humanities	3	
GER Social Science	3	COJO F131X or F141X, Comm.	3	
		LS F101X, Library Science	1	
Total:	14	Total:	15	
			First Yr Total Projected:	29

Year 2:

FALL		SPRING		
BIOL F260, Principles of Genetics	4	BIOL F360, Cell & Molecular Biology	3	
PHYS F123X, College Physics I	4	PHYS F124X, College Physics II	4	
MATH F251X, Calculus	4	STAT 200X	3	
WRTG F213X, Writing and the Sciences	3	GER Arts	3	
		Open Elective	3	
Total:	15	Total:	16	
			Second Yr Total Projected:	31

Year 3:

FALL		SPRING		
Phys or Cell Elective (e.g. BIOL F312)	3	BIOL F342, Microbiology	4	
Biology Breadth Elective (e.g. BIOL F239)	4	Phys or Cell Elective (e.g. BIOL F335)	3	
CHEM F321, Organic Chemistry I	4	CHEM F325, Organic Chemistry II	4	
GER Social Science	3	PHIL F322X, Ethics	3	
		Open Elective	3	
Total:	14	Total:	17	
			Third Yr Total Projected:	31

Year 4:

FALL		SPRING		
Biology Elective Capstone (e.g. BIOL F491)	4	BIOL F481, Principles of Evolution	4	
CHEM F450, Biochem Macromolecules	4	CHEM F351, Biochemistry	3	
GER Arts, Hum, or Social Science	3	Open Elective	3	
Open Elective	3	Open Elective	3	
Total:	14	Total:	15	
			Fourth Yr Total Projected:	29

**Total of four years projected: 120**

*GER - General Education Requirement*

*This is an example of a typical 4-year plan for a well-prepared student*

**BIOLOGICAL SCIENCES BS**  
**ECOLOGY & EVOLUTIONARY BIOLOGY CONCENTRATION**

Year 1:

FALL		SPRING		
Course	Cr Hrs	Course	Cr Hrs	
BIOL F115X, Fundamentals of Biology I	4	BIOL F116X, Fundamentals of Biology II	4	
CHEM F105X, General Chemistry I	4	CHEM F106X, General Chemistry	4	
WRTG F111X, Intro Writing	3	GER Humanities	3	
GER Social Science	3	COJO F131X or F141X, Comm.	3	
		LS F101X, Library Science	1	
Total:	14	Total:	15	
			First Yr Total Projected:	29

Year 2:

FALL		SPRING		
BIOL F260, Principles of Genetics	4	STAT 200X	3	
PHYS F123X, College Physics I	4	PHYS F124X, College Physics II	4	
MATH F251X, Calculus	4	GER Arts	3	
Organismal Elective (e.g. BIOL F239)	4	WRTG F213X, Writing and the Sciences	3	
Total:	16	Total:	13	
			Second Yr Total Projected:	29

Year 3:

FALL		SPRING		
BIOL F371, Principles of Ecology	4	BIOL F342, Microbiology	4	
CHEM F321, Organic Chemistry I	4	CHEM F351, Biochemistry	3	
STAT F401, Regression & ANOVA	4	PHIL F322X, Ethics	3	
GER Social Science	3	Open Elective	3	
		Open Elective	3	
Total:	15	Total:	16	
			Third Yr Total Projected:	31

Year 4:

FALL		SPRING		
Biology Elective Capstone (e.g. BIOL F472)	3	BIOL F481, Principles of Evolution	4	
Ecology Elective (e.g. BIOL F418)	3	Biology Elective-Breadth (e.g. BIOL F360)	3	
GER Arts, Hum, or Social Science	3	Biology Elective-Open (e.g. BIOL F457)	3	
Open Elective	3	Open Elective	3	
Open Elective	3	Open Elective	3	
Total:	15	Total:	16	
			Fourth Yr Total Projected:	31

**Total of four years projected: 120**

*GER - General Education Requirement*

*This is an example of a typical 4-year plan for a well-prepared student*

**BIOLOGICAL SCIENCES BS  
(NO CONCENTRATION)**

Year 1:

FALL		SPRING	
Course	Cr Hrs	Course	Cr Hrs
BIOL F115X, Fundamentals of Biology I	4	BIOL F116X, Fundamentals of Biology II	4
CHEM F105X, General Chemistry I	4	CHEM F106X, General Chemistry	4
WRTG F111X, Intro Writing	3	WRTG F213X, Writing and the Sciences	3
GER Social Science	3	COJO F131X or F141X, Communication	3
		LS F101X, Library Science	1
<b>Total:</b>	<b>14</b>	<b>Total:</b>	<b>15</b>
<b>First Yr Total Projected:</b>			<b>29</b>

Year 2:

FALL		SPRING	
BIOL F260, Principles of Genetics	4	BIOL F360, Cell & Molecular Biology	3
PHYS F123X, College Physics I	4	Biology Elective (e.g. BIOL 335)	3
MATH F251X, Calculus	4	PHYS F124X, College Physics II	4
GER Humanities	3	GER Arts	3
		STAT 200X	3
<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>16</b>
<b>Second Yr Total Projected:</b>			<b>31</b>

Year 3:

FALL		SPRING	
Course	Cr Hrs	Course	Cr Hrs
CHEM F321, Organic Chemistry 1	4	CHEM F351, Biochemistry	3
GER Social Science	3	Physiology lab course (e.g. BIOL F310)	4
Biology Elective (e.g. BIOL F412)	3	PHIL F322X, Ethics	3
Open Elective	3	Open Elective	3
Open Elective	3	Open Elective	3
<b>Total:</b>	<b>16</b>	<b>Total:</b>	<b>16</b>
<b>Third Yr Total Projected:</b>			<b>32</b>

Year 4:

FALL		SPRING	
Biology Elective Capstone (e.g. BIOL F491)	4	Organismal Elective (e.g. BIOL 425)	3
BIOL F481, Principles of Evolution	4	Biology Elective (e.g. BIOL F485)	3
GER Arts, Hum, or Social	3	Biology Elective (e.g. BIOL F417)	3
Open Elective	3	Open Elective	3
		Open Elective	3
<b>Total:</b>	<b>14</b>	<b>Total:</b>	<b>15</b>
<b>Fourth Yr Total Projected:</b>			<b>29</b>

**Total of four years projected: 121**

*GER - General Education Requirement*

*This is an example of a typical 4-year plan for a well-prepared student*

**BIOLOGICAL SCIENCES BS  
PHYSIOLOGY CONCENTRATION**

Year 1:

FALL		SPRING	
Course	Cr Hrs	Course	Cr Hrs
BIOL F115X, Fundamentals of Biology I	4	BIOL F116X, Fundamentals of Biology II	4
CHEM F105X, General Chemistry I	4	CHEM F106X, General Chemistry II	4
WRTG F111X, Intro Writing	3	WRTG F213X, Writing and the Sciences	3
GER Social Science	3	COJO F131X or F141X, Communication	3
		LS F101X, Library Science	1
<b>Total:</b>	<b>14</b>	<b>Total:</b>	<b>15</b>
<b>First Yr Total Projected:</b>			<b>29</b>

Year 2:

FALL		SPRING	
BIOL F260, Principles of Genetics	4	BIOL F360, Cell and Molecular Biology	3
MATH F251X, Calculus	4	Physiology Elective (e.g. BIOL 335)	3
PHYS F123X, College Physics I	4	PHYS F124X, College Physics II	4
GER Humanities	3	GER Arts	3
		STAT 200X	3
<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>16</b>
<b>Second Yr Total Projected:</b>			<b>31</b>

Year 3:

FALL		SPRING	
Physiology Elective (e.g. BIOL F412)	3	BIOL F310, Animal Physiology	4
CHEM F321, Organic Chemistry I	4	Phys or Cell Elective (e.g. BIOL F460)	4
GER Social Science	3	CHEM F351, Biochemistry	3
Open Elective	3	PHIL F322X, Ethics	3
Open Elective	3		
<b>Total:</b>	<b>16</b>	<b>Total:</b>	<b>14</b>
<b>Third Yr Total Projected:</b>			<b>30</b>

Year 4:

FALL		SPRING	
Biology Elective Capstone (e.g. BIOL F440)	3	BIOL F481, Principles of Evolution	4
Biology Breadth Elective (e.g. BIOL F425)	3	Biology Open Elective	3
GER Arts, Hum, or Social Science	3	Open Elective	3
Open Elective	3	Open Elective	3
Open Elective	3	Open Elective	3
<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>16</b>
<b>Fourth Yr Total Projected:</b>			<b>31</b>

**Total of four years projected: 121**

*GER - General Education Requirement*

*This is an example of a typical 4-year plan for a well-prepared student*