

2015

## BS in Biology 2015 curriculum

Nova Southeastern University

Follow this and additional works at: [http://nsuworks.nova.edu/far\\_ugcoursecatalogs](http://nsuworks.nova.edu/far_ugcoursecatalogs)



Part of the [Higher Education Commons](#)

---

### NSUWorks Citation

Nova Southeastern University, "BS in Biology 2015 curriculum" (2015). *Undergraduate Programs Course Catalogs*. 79.  
[http://nsuworks.nova.edu/far\\_ugcoursecatalogs/79](http://nsuworks.nova.edu/far_ugcoursecatalogs/79)

This Article is brought to you for free and open access by the NSU Course Catalogs and Course Descriptions at NSUWorks. It has been accepted for inclusion in Undergraduate Programs Course Catalogs by an authorized administrator of NSUWorks. For more information, please contact [nsuworks@nova.edu](mailto:nsuworks@nova.edu).



**FARQUHAR COLLEGE OF ARTS AND SCIENCES**  
**DEGREE CURRICULUM SHEET | 2015 CATALOG**  
**Bachelor of Science - Biology**



**GENERAL EDUCATION REQUIREMENTS**

Area/Course	Credits	Frequency
<b>Written Composition</b>		
<i>6 credits at or above COMP 1500</i>		
Open Written Communication	3	
Open Written Communication	3	
<b>Mathematics</b>		
<i>6 credits at or above MATH 1040</i>		
MATH 1250 Trigonometry	3	FW
MATH 2020 Applied Statistics	3	FW
<b>Arts &amp; Humanities</b>		
<i>6 credits in HIST, ARTS, PHIL, HUMN, LITR, THEA, FILM, MUSC, DANC, WRIT, foreign language</i>		
Any LITR course	3	
PHIL Course from Major	3	
<b>Social &amp; Behavioral Sciences</b>		
<i>6 credits in PSYC, SOCL, ANTH, ECN, COMM, GEOG, GEST, INST, POLS</i>		
Open Social & Behavioral Sciences	3	
Open Social & Behavioral Sciences	3	
<b>Science</b>		
<i>6 credits in BIOL, MBIO, CHEM, SCIE, ENVS, PHYS</i>		
BIOL 1500 Biology I	3	FW
CHEM 1300 General Chemistry I	3	FW
<b>Total General Education Credits</b>	<b>30</b>	

**OPEN ELECTIVES**

take 12 elective courses	36	
<b>Total Open Electives Credits</b>	<b>36</b>	

**MAJOR**

Course	Credits	Frequency
BIOL 1500 Biology I Lab	1	FW
BIOL 1510 Biology II/Lab	4	FW
BIOL 3600 Genetics/Lab	4	FW
CHEM 1300 General Chemistry I Lab	1	FW
CHEM 1310 General Chemistry II/Lab	4	FW
CHEM 2400 Organic Chemistry I/Lab	4	FW
CHEM 2410 Organic Chemistry II/Lab	4	FW
MATH 2100 Calculus I	4	FW
PHYS 2350 General Physics I/Lab	<i>or</i> 4	FW
PHYS 2400 Physics I/Lab	4	FW
PHYS 2360 General Physics II/Lab	<i>or</i> 4	FW
PHYS 2500 Physics II/Lab	4	FW
<i>Select one 3000-level PHIL course from the following:</i>		
PHIL 3010 Ethical Issues in Communication	3	W
PHIL 3180 Biomedical Ethics	3	FW
PHIL 3200 Ethics and Sport	3	F
PHIL 3220 Philosophy of Science	3	FW
PHIL 3360 Environmental Ethics	3	W
<b>Total Major Credits</b>	<b>34</b>	

**MAJOR ELECTIVES**

Course	Credits	Frequency
<i>Select 20 credits from the following:</i>		
Any 3000/4000-level BIOL course(s), excluding BIOL 3600*	3-4	
BIOL 2600 Medical Terminology	3	FW
CHEM 3650 Biochemistry/Lab	4	FW
MATH 2001 Introduction to Mathematical Models in Biology	3	FE
MATH 2200 Calculus II	<i>or</i> 4	FW
<i>*Major Electives may include no more than 3 credits from the following:</i>		
BIOL 4900 Special Topics in Biology	3	FW
BIOL 4950 Internship in Biology	3	FW
BIOL 4990 Independent Study in Biology	3	FW
<b>Total Major Elective Credits</b>	<b>20</b>	

*Frequency Key: F-Every Fall; W-Every Winter; FO - Odd Year Fall; FE - Even Year Fall; WO - Odd Year Winter; WE - Even Year Winter*

**TOTAL CREDITS: 120**



**FARQUHAR COLLEGE OF ARTS AND SCIENCES**  
**SAMPLE FOUR YEAR CURRICULUM | 2015 CATALOG**  
**Bachelor of Science - Biology**



**Freshman Year**

Fall		Winter	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>
Open Written Communication	3	Open Social & Behavioral Sciences	3
MATH 1250 Trigonometry	3	BIOL 1510 Biology II/Lab	4
Open Social & Behavioral Sciences	3	CHEM 1310 General Chemistry II/Lab	4
BIOL 1500 Biology I/Lab	4	MATH 2100 Calculus I	4
CHEM 1300 General Chemistry I/Lab	4		
<b>Total Credits</b>	<b>17</b>	<b>Total Credits</b>	<b>15</b>

**Sophomore Year**

Fall		Winter	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>
CHEM 2400 Organic Chemistry I/Lab	4	Open Written Communication	3
MATH 2020 Applied Statistics	3	BIOL 3600 Genetics/Lab	4
Any LITR course	3	CHEM 2410 Organic Chemistry II/Lab	4
Major Elective	4	Major Elective	3
		Elective	3
<b>Total Credits</b>	<b>14</b>	<b>Total Credits</b>	<b>17</b>

**Junior Year**

Fall		Winter	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>
PHYS 2350 General Physics I/Lab	4	PHYS 2360 General Physics II/Lab	4
PHYS 2400 Physics I/Lab	4	PHYS 2500 Physics II/Lab	4
PHIL course	3	Major Elective	3
Major Elective	4	Elective	3
Elective	3	Elective	3
		Elective	3
<b>Total Credits</b>	<b>14</b>	<b>Total Credits</b>	<b>16</b>

**Senior Year**

Fall		Winter	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>
Major Elective	3	Major Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3		
<b>Total Credits</b>	<b>15</b>	<b>Total Credits</b>	<b>12</b>

**TOTAL CREDITS: 120**