

**VIRGINIA UNION UNIVERSITY  
PHYSICS MAJOR (2016-2017)**

Course	Fall Course Title	Credits	Course	Spring Course Title	Credits	Annual
<b>Freshman Year</b>						
	PHY 101 Intro. to Physical Sci.	4	ELECT Social Science Elective		3	
	CHE 111 General Chemistry I	4	CHE 112 General Chemistry II		4	
	MAT 175 Pre-Calculus	4	MAT 214 Calculus I		4	
	ENG 101 College Composition I	3	ENG 102 College Composition II		3	
	GST 004 Freshmen Orientation	1	PED 101 Physical Education		1	
			HLH 101 Personal Health		1	
	<b>Total Credits</b>	<b>16</b>	<b>Total Credits</b>		<b>16</b>	<b>32</b>
<b>Sophomore Year</b>						
	PHY 251 University Physics I	4	PHY 252 University Physics II		4	
	ELECT Social Science Elective	3	BIO 115 Writing in the Sciences		1	
	MAT 216 Calculus II	4	MAT 322 Calculus III		4	
	ELECT Literature Elective	3	PHY 305 Modern Physics		3	
	ELECT Fine Arts	2	ELECT Literature Elective		3	
	<b>Total Credits</b>	<b>16</b>	<b>Total Credits</b>		<b>15</b>	<b>31</b>
<b>Junior Year</b>						
	MAT 306 Modern Algebra I	3	ELECT Social Science Elective		3	
	PHY 315 Mechanics	3	PHY 320 Electricity & Magnetism		3	
	PHY 491 Seminar	1	PHY 330 Thermodynamics		3	
	PHY 411 Advanced Lab I	3	MAT 427 Differential Equations		3	
	ELECT Foreign Language	3	ELECT Foreign Language		3	
	CSC 200 Intro to Computer Science	3				
	<b>Total Credits</b>	<b>16</b>	<b>Total Credits</b>		<b>15</b>	<b>31</b>
<b>Senior Year</b>						
	MAT 331 Prob. & Statistics I	3	ELECT History Elective		3	
	PHY 401 Math Methods in Physics I	3	PHY 405 Quantum Mechanics		3	
	PHY 481 Research in Physics	4	ELECT PHY ELECT		3	
	ELECT FREE Elective	3	ELECT PHY ELECT		3	
			ELECT Afr. Am. Heritage Elective		3	
	<b>Total Credits</b>	<b>13</b>	<b>Total Credits</b>		<b>15</b>	<b>28</b>

Total minimum hours required for degree completion.....**122**

---

**Student Signature**

**Date**

---

**Advisor's Signature**

**Date**