

VIRGINIA UNION UNIVERSITY  
 MATHEMATICS – B.S. DEGREE PROGRAM OF STUDY

**Freshman Year**

Fall Semester

	Course Name	Hours
MAT 175	Pre-Calculus	4
CSC 200	Intro to CS	3
ENG 101	Freshman Comp I	3
HIS 145/146	World Civilization	3
GST 004	Freshman Orientation	1
HLH/PED 101	Personal Wellness	1
Total Hours		15

Spring Semester

	Course Name	Hours
MAT 214	Calculus I	4
CSC 201	Programming I	3
ENG 102	Freshman Comp II	3
SPD 203/207	Speech	2 or 3
ECO 231	Social Science I	3
HLH/PED 101	Personal Wellness	1
Total Hours		16 or 17

**Sophomore Year**

	Course Name	Hours
MAT 216	Calculus II	4
MAT 315	Discrete Math	3
CHE 101	Chemistry I	4
HUM 225/226	Literature I	3
	Foreign Language 101	3
Total Hours		17

	Course Name	Hours
MAT 322	Multivariable Calculus	4
MAT 221	Linear Algebra	3
CHE 102/SCI 151	Chemistry II/Science	4
	Literature II	3
	Foreign Language 102	3
Total Hours		17

**Junior Year**

	Course Name	Hours
MAT 306	Modern Algebra I	3
MAT 327	Differential Equations	3
MAT 331	Probability & Stat I	3
PHY 251	University Physics I	4
	Social Science II	3
Total Hours		16

	Course Name	Hours
MAT 307	Modern Algebra II	3
	Social Science III	3
MAT 332	Probability & Stat II	3
PHY 252	University Physics II	4
Elective	Free	2
Total Hours		15

**Senior Year**

	Course Name	Hours
MAT 441	Complex Variables	3
MAT 428	Advanced Calculus I	3
MAT 420	Vector Analysis	3
Elective	Afr. Amer. Heritage	3
Total Hours		12

	Course Name	Hours
MAT 442	Complex Variables II	3
MAT 429	Advanced Calculus II	3
MAT 450	Numerical Analysis	3
Elective	Restricted	3
Total Hours		12

Total minimum hours required for degree completion	120 or 121
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