

**UNIVERSITY CORE**

**COLLEGE CORE**

**CORE CURRICULUM – 43-44 Semester Hours (SH)**

**A. Core Foundations**

CORE 101	_____	3
CORE 102	_____	3
HNRS 103*	_____	3
CORE 201	_____	3
COMS 114		
PHIL 111: 213		
CORE 202	_____	3
PHIL 112		

**NOTE: Courses listed in multiple areas can only be used to fulfill a single area requirement.**

**Students can use two courses with their major prefix to fulfill core requirements.**

**B. Core Skills & Knowledge**

<b>MATHEMATICAL SCIENCES (3SH)</b>		
MATH 138	_____	3
<b>NATURAL SCIENCES (4 SH)</b>		
GEOL 100	_____	4
<b>HUMANITIES (3 SH)</b>		
_____	_____	3
One of the following: CLSS:110 CCST: 110 ENGL 200, HIST 101, 102 PHIL 111, 112, 200; POSC 110; RELN 111, 112, 203, 206		
<b>VISUAL &amp; PERFORMING ARTS (3 SH)</b>		
_____	_____	3
One of the following: ART 100, 215, 216 CVPA 266 DNCE 111 MUSC 100, 121, 123 THEA 100, 180		
<b>SOCIAL/BEHAV. SCIENCES (3 SH)</b>		
_____	_____	3
One of the following: ANSC 101, APST 200, ECON 205, 206, GEOG 101, 102, 103 HIST 111, 112, POSC 120, PSYC 121, RELN 205, SOCY 110, 121		

**A. National & International Perspectives**

<b>U. S. PERSPECTIVES (3 SH)</b>		
_____	_____	3
One of the following: APST 200 ECON 101, 205, 206, ENGL 203 GEOG 201, 202, 203 HIST 111, 112 POSC 120, SOCY 110		
<b>GLOBAL PERSPECTIVES (3SH)</b>		
_____	_____	3
One of the following: CVPA 266, ENGL 201, 202 FORL 103 GEOG 101, 102, 140, 280 HIST 101, 102 INST 101 ITEC 112 PEAC 200 RELN 112, 205, SOCY 121, THEA 180 WMST 101, WMST 200		

**B. Supporting Skills & Knowledge**

<b>NATURAL SCIENCES OR MATH</b>		
CHEM 101	_____	3-4
<b>HUMANITIES, VISUAL &amp; PERFORMING ARTS, OR FOREIGN LANGUAGES (3-4 SH)</b>		
_____	_____	3-4
One of the following: CLSS 110 CCST 110 ENGL 200 HIST 101, 102 PHIL 111, 112, 200; POSC 110; RELN 111, 112, 203, 206; CVPA 266; Or ART 100, 215, 216 DNCE 111, MUSC 100, 121, 123 THEA 100, 180 Or CHNS 101: 102, 201: 202 ARAB 101, 102, 201, 202, FORL 100, 109, 200, 210, 209, 309, 409; FREN 100, 200:210, 300, 320 GRMN 100, 200: 210, 300 LATN 101 102, 201, 350; RUSS 100, 200, 210, 300; SPAN 101: 102, 105 201, 202		
<b>SOCIAL/ BEHAV. SCI. OR HEALTH &amp; WELLNESS (3SH)</b>		
_____	_____	3
One of the following: ANSC 101, APST 200 ECON 205, 206 GEOG 101, 102, 103 HIST 111, 112 POSC 120; PSYC 121 RELN 205 SOCY 110, 121, HLTH 111,200, NUTR 214; RCPT 200		

**EARTH SCIENCES CONCENTRATION (Teaching Licensure)**

GEOL 100	_____ (4)	Earth Resources and Natural Hazards	F/S/SU
GEOL 105	_____ (4)	Exploring Earth	F/S/SU
GEOL 106	_____ (4)	The Earth Through Time	S
GEOL 310	_____ (4)	Mineralogy	F
GEOL 312	_____ (4)	Igneous and Metamorphic Petrology	S
GEOL 440	_____ (4)	Structural Geology	F
GEOL 441	_____ (4)	Geologic Field Methods	S

**Prerequisites**

GEOL 105	
GEOL 105 and CHEM 111(co-requisite) or permission	
GEOL 310	
GEOL 310	
GEOL 440	

**Additional courses required for the Earth Sciences (Teaching Licensure) Concentration:**

GEOL 365	_____ (4)	Oceanography	S	8 hrs Nat. Science (ASTR, BIOL, CHEM, GEOL, PHYS or PHS)
PHSC/PHYS 301	_____ (4)	Meteorology		PHYS 111 or PHYS 221

**Two courses selected from the following list: \* Students may take either Math 138 or Math 140, but not both for the 6 hours of Math required.**

STAT 200	_____ (3)	Introduction to Statistics	F/S	
MATH 138		Precalculus	F/S	Adequate algebra skills necessary
OR				
MATH 168	_____ (3)	Precalculus-Calculus	F	
OR				
MATH 169	_____ (3)	Precalculus-Calculus	S	MATH 168
OR				
MATH 171	_____ (4)	Calculus and Analytic Geometry II	F	C or better in MATH 138; or SAT Math score of 550 or better or an ACT Math score of 23 or better

**One course selected from the following list:**

GEOL 320	_____ (4)	Sedimentary Petrology and Strat.	F	GEOL 310
GEOL 361	_____ (4)	Geology of Virginia	F/S	GEOL 105 & GEOL 100 or 106
GEOL 461	_____ (4)	Regional Geology of the United States	F/S	GEOL 320

**One course selected from the following list:**

BIOL 105	_____ (4)	Biology for Health Science	F/S/SU	
BIOL 131	_____ (4)	Ecology and Adaptation	F/S	
ASTR 112	_____ (4)	General Astronomy I	S	
CHEM 111	_____ (4)	General Chemistry	F/SU	
GEOL 335	_____ (4)	General Paleontology	S	GEOL 106

**B.S. Requirement (8hrs) Bachelor of Science students must take the following two courses:**

ASTR 111	_____ (4)	General Astronomy I	F	
PHYS 111	_____ (4)	General Physics I	F/S	High school mathematics

Education Courses: Contact the College of Education and Human Development for information concerning these courses.

**Sample Schedule B.S. Geology – Earth Sciences Concentration (Teaching Licensure) 18/19**

<b>Fall Semester</b>		<b>Spring Semester</b>	
<b>Freshman Year</b>	<b>Cr.</b>	<b>Freshman Year</b>	<b>Cr.</b>
University Core A: Core 101	3	University Core A: Core 102	3
GEOL 105	4	GEOL 106	4
PHYS 111	4	GEOL 100	4
MATH 138 OR STAT200	3	MATH 138 OR STAT 200	3
UNIV 100	1	CORE	3
	<b>15</b>		<b>17</b>
<p>Students who have successfully completed GEOL 103 may not take Geol 100 for credit. Students who have successfully completed GEOL 101 may not take GEOL 105 for credit. Any two of these three courses (GEOL 100, GEOL 105, AND GEOL 106) have been approved for Core Curriculum credit in Natural Sciences. <b>Students may take either Math 138 or Math 140, but not both for the 6 hours of Math required.</b></p>			
<b>Sophomore Year</b>	<b>Cr.</b>	<b>Sophomore Year</b>	<b>Cr.</b>
University Core A: Core 201	3	University Core A: Core 202	3
GEOL 310 CHEM 111 (co-requisite) and GEOL 105	4	GEOL 312 (S ONLY) GEOL 310	4
CHEM 111	4	CORE	3
PHSC 301 (F'15 Every Other F) PHYS 111 or PHYS 221	4	GEOL 365 (S ONLY Every Other S)	4
CORE	3	CORE	3
	<b>18</b>		<b>17</b>
<p>Students apply to the Professional Education Program through the Field Experience Office (540) 831-5277, during their junior year. Students must have a minimum grade point average of 2.5 in all coursework at RU and in their major, passed PRAXIS I and taken PRAXIS II before applying. CORE 101, 102, 201, and 202 must be completed in succession. Students should complete CORE 202 prior to their junior year.</p>			
<b>Junior Year</b>	<b>Cr.</b>	<b>Junior Year</b>	<b>Cr.</b>
ASTR 111	4	CEHD course	3
CEHD course	3	GEOL 441 (S ONLY) GEOL 440	4
GEOL 440 (F ONLY) GEOL 310	4	CORE	3
GEOL 320 OR GEOL 361 OR GEOL 461	4	CORE	3
CORE	3	CORE	3
	<b>18</b>		<b>16</b>
<p><b>Senior Year: All Course below are (F ONLY)</b></p>			
College of Education and Human Development courses	3	EDUC 452 Meet eligibility for student teaching	12
	3	EDUC 442 EDUC 440/441, EDRD 416, EDET 445	3
	3		
	3		
	3		
	<b>15</b>		<b>15</b>