

Radford University Bachelor of Science in Geology (Engineering and Environmental Geosciences)

TRANSFER GUIDE

Catalog Years: 2025-2026

Associate Transfer Degree Plan in Geology

COURSE REQUIREMENTS

Complete at VCCS				Complete at Radford University		
BACHELOR'S DEGREE REQUIREMENT	SATISFIED BY			BACHELOR'S DEGREE REQUIREMENT		
Course	Credits	CC Course	Notes	Course	Credits	Notes
UNIV 100	1-2	SDV 100 College Success Skills or 101 Orientation		GEOL 320 Sedimentary Petrology and Stratigraphy	4	Prerequisite GEOL 310
ENGL 111	3	ENG 111 College Comp I		GEOL 406 Geophysics	4	Prerequisite PHYS 112 or PHYS 222, and GEOL 310
General Education	3	ENG 112 College Comp II or ENG 113 Tech-Prof Writing		GEOL 455 Principles of Engineering Geology	4	Prerequisite GEOL 105; and GEOL 100 or GEOL 106 or GEOL 120 and GEOL 121; and mathematics through trigonometry
General Education	3	Any UCGS Art or Humanities	These two courses must come from two different disciplines.	GEOL 474 Hydrogeology	4	Prerequisite GEOL 105; and either GEOL 100 or GEOL 106 or GEOL 120 and GEOL 121; MATH 169 or MATH 171
General Education	3	Any UCGS Art, Humanities, or Literature		GEOL 460 Senior Seminar in the Geological Sciences	3	Prerequisite GEOL 312
General Education	3	Any UCGS Social & Behavioral Sciences (not History)		GEOS 315 Intermediate GIS OR UAS 408 Spatial Data Applications for UAS	4	Consult Catalog for Prerequisites
General Education	3	Any UCGS History		Bachelor of Science students must take eight hours of Physics courses		

MATH 171 Calculus and Analytical Geometry I	4	MTH 263 is Required	Complete MTH 263 Calc I to meet major requirement.			credits to make 120 hours
GEOL 105	4	GOL 105 Physical Geology				
CHEM 111 General Chemistry I	4	CHM 111 General Chemistry I				
CHEM 112 General Chemistry II	4	CHM 112 General Chemistry II				
GEOL 106 It's about time, GEOL 120/121 Earth Science and Society, GEOL 310 Mineralogy	9-16	Select 3-4 courses from: BIO 101 Gen Bio I, BIO 102 Gen Bio II, GOL 106 Historical Geology, GOL 110 Earth Systems, GOL 207 Mineralogy (to be revised), GOL 299 Geology Capstone, PHY 201 & 202 College Physics II & II, or PHY 241 & 242 Univ Physics I & II	To meet major requirements, complete GOL 106 Historical Geology, GOL 110 Earth Systems, GOL 207 Mineralogy			
GEOL 100 Earth Resources and Natural Hazards, GEOS 125 Intro to Geospatial Data & Technologies, GEOS 250 Intro to GIS, STAT 200 Intro to Statistics	8-19	Students who have completed all prerequisites (MTH 161-162 or 167) and community college and four-year requirements (e.g. World Languages, ITE, CST) should take additional courses from the rows above or transfer electives to fulfill the 60-62 credit requirement	To meet major requirements, complete GOL 225, GIS 200, GIS 201, MATH 245			
		Additional transfer electives, if needed to meet 60 credits				
CREDITS PRE-TRANSFER: 60-62				CREDITS POST-TRANSFER: 58-60		

TRANSFER GUIDANCE

Guaranteed Admission Agreement

By meeting the following criteria, students who complete the prescribed curriculum and meet the criteria below are guaranteed admission into Radford University and into Geology program.

- Earn a transferable associate degree
- Earn a minimum 2.8 cumulative GPA
- Be in good standing at the current institution

Please visit the TransferVirginia.org portal to explore different majors (Transfer Tools) and Transfer Guides that outline course requirements for specific majors. (Resource Center)

IMPORTANT LINKS & DATES:

- **University Transfer Center:** <https://admissions.radford.edu>
- **Admission Application:** By March 1 for Priority Fall Admission and November 1 for Priority Spring Admission at <https://www.radford.edu/admissions/apply/index.html>
- **Financial Aid:** <https://www.radford.edu/fin-aid>
- **FAFSA - Free Application for Federal Student Aid:** Priority deadline is March 1; apply online at <https://studentaid.gov/>

WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- Create a schedule for all required courses. Pay attention to prerequisites and when courses are offered. Complete your first math and English courses in your first year. For help, view the Transfer Steps and Resource Center at www.TransferVirginia.org.
- Connect with an advisor at your community college and Radford University within your first year. Set up an account at www.TransferVirginia.org.

IS THIS DEGREE RIGHT FOR ME?

- Whether you're fascinated by volcanoes, fossils, or the forces that shape our planet, we offer hands-on learning, instruction from our expert faculty, and exciting fieldwork opportunities.
- A degree in Geology from Radford University provides students with critical thinking, problem-solving, and foundational skills that prepare them for future success in many fields, including engineering geology, geochemistry, environmental geology, hydrogeology, and more.
- Our graduates have jobs with the VA Dept of Environmental Quality, environmental engineering firms, and federal agencies. Others decide to attend graduate school.

WHAT IS THE IMPACT ON MY DEGREE OF WORK I HAVE ALREADY COMPLETED?

- **Associate Transfer Degree Completion:** The completion of the transfer-oriented degree program will satisfy the REAL Curriculum (lower division/general education) requirements. Students will need to complete all other University, college, and departmental requirements in order to obtain the baccalaureate degree from RU.

- **Dual Enrollment – Completion of Associate Degree in HS:** Students completing the associate degree in high school should apply using the freshman application. If admitted, the student will receive the benefits associated with the transferable associate degree (as noted prior).
- **Credit for Prior Learning:** AP, IB, and CLEP will be evaluated for credits (based on receipt and evaluation of scores). See <https://catalog.radford.edu/content.php?catoid=55&navoid=2617>
- **Catalog Year:** Students will be subject to the catalog in effect at the time of enrollment at RU unless otherwise requested.

IS THIS COLLEGE RIGHT FOR ME?

- Main campus is located in the city of Radford and our Radford University Carilion campus is located in Roanoke. RU is well-known for strong faculty/student bonds, vibrant student life and a commitment to student support.
- Situated in the stunning landscape of southwest Virginia, there are plenty of nearby opportunities to explore the outdoors.
- With 70+ bachelor's degree programs across a variety of disciplines, the classes at Radford are hands-on and designed to help you prepare for your chosen career path.
- Transfer students have the option to live on-campus or off-campus within the local area.
- Over 80% of students receive some form of financial aid.
- 16 Division I teams and 300+ student organizations.

Learn more about our university at www.TransferVirginia.org.

DID YOU KNOW THAT...

- Completing your Associate transfer degree post-high school satisfies all lower division general education requirements and increases the chance of completing your bachelor's degree.
- Exceeding 3 years or 90 credits at your community college means you may have exhausted your financial aid at that college and have limited your future financial aid at Radford University.

WHAT CAN I DO WITH THIS DEGREE?

Explore possible careers, salaries, and job outlook at www.TransferVirginia.org and <https://www.radford.edu/artis-college-science-technology/geology-department/index.html> and <https://www.bls.gov/ooh/life-physical-and-social-science/geoscientists.htm>

PROGRAM SUCCESSES & HIGHLIGHTS

- Students gain hands-on experience with industry methods, software, and equipment in both the field and laboratory.
- Ample opportunities for undergraduate research and engagement.
- Undergraduates give presentations at regional and national conferences.

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- Of students who apply, ~5% of transfer applicants are accepted to Radford University and about 80% of the entering transfer class comes from the Virginia Community College System. Learn more about applying at www.TransferVirginia.org.

DO MORE WITH YOUR DEGREE!

- https://www.geosociety.org/GSA/Education_Careers/GSA/edu-career/Home.aspx?hkey=63819187-ba15-4bf2-86e0-229352a40502
- <https://www.geolsoc.org.uk/Geology-Career-Pathways/Careers>

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

- All students must complete a total of at least 120 credit hours to earn a bachelor degree.
- Overall GPA on all Radford University courses must be at least 2.0.
- Overall GPA on courses in major taken at Radford University must be at least 2.0.