College of Science
Department of Geosciences
Bachelor of Science in Geosciences (BS)
Geology (GEOL) Option
For students graduating in calendar year 2022
and for student date of entry under UG Catalog 2020-2021

| I. PATHWAYS TO GENERAL EDUCATION REQUIREMENTS (45 credits*) |  |
| :---: | :---: |
| Pathways requirements and approved courses are available online: http://www.cle.prov.vt.edu/guides/index.html |  |
| Concept 1: Discourse (9 credits) <br> (Foundation: 6 credits) | ENGL 1105 (3) ENGL 1106 (3) |
| (Advanced: 3 credits) | Completed by major/option requirements |
| Concept 2: Critical Thinking in the Humanities (6 credits) <br> (Select from approved Pathways courses) | __ (3) |
| Concept 3: Reasoning in the Social Sciences (6 credits) <br> (Select from approved Pathways courses) | __ (3) _ (3) |
| Concept 4: Reasoning in the Natural Sciences (6-8 credits) | Completed by major/option requirements |
| Concept 5: Quantitative and Computational Thinking (9-11 credits) (Foundation: 6 credits) <br> (Advanced: 3 credits) | Completed by major/option requirements <br> Completed by major/option requirements |
| Concept 6: Critique and Practice in Design and the Arts ( 6 credits) (Select from approved Pathways courses) | __ (3 Arts) ___ (3 Design) |
| Concept 7: Critical Analysis of Identity \& Equity in the US (3 credits) <br> (Select from approved Pathways courses, can double count with another concept) | (3) |

[^0]

## NOTES:

† Semester of course offering only noted for GEOS courses. Semester offered is subject to change. Please consult the timetable or your advisor for current information.

## Prerequisites

\# See University Course Catalog for prerequisites
Except when noted with a \#, all prerequisites are listed on the checksheet. There are no hidden prerequisites, although some of the courses listed are prerequisites for other courses. Even when listed, prerequisites are subject to change. Please consult University Course Catalog for current information.

## Acceptable substitutions

GEOS 1004, 1104, 1014 for GEOS 2024
GEOS 2104, 1014 for GEOS 2024
CHEM 1055 or CHEM 1055H for CHEM 1035
CHEM 1065 for CHEM 1045
ENGL 1204H for ENGL 1106
COMM 1015 for ENGL 1105 and COMM 1016 for ENGL 1106
CS 1344 for CS 1044

## Foreign language requirement

Students who did not successfully complete at least two years of a single foreign, classical, or sign language during high school must successfully complete six semester hours of a single foreign, classical, or sign language at the college level. Courses taken to meet this requirement do not count toward the hours required for graduation. Please consult the Undergraduate Catalog for details.

## Satisfactory progress toward degree (Policy 91)

1. By 60 hours attempted at Virginia Tech, students must have completed the following courses:

GEOS 2004, 2024 (or 1004, 1104, 1014 or 2104, 1014), 2444, 3504
MATH 1025 or 1225
CHEM 1035, 1045
PHYS 2205, 2215 or 2305
2. Students must achieve an overall GPA of 2.0 and an in-major GPA of 2.5 upon attempting 15 GEOS credit hours (including transfer credit, courses completed with a grade of "W", advanced placement or IB credit)

## Graduation requirements

Graduation requires completion of a minimum of 120 credit hours with a GPA of 2.0 or greater for all hours attempted. In addition, students must have an in-major GPA of 2.5 or greater. The in-major GPA is calculated from all GEOS courses.


[^0]:    * If requirements completed as outlined, 18 credit hours of Pathways will be satisfied by major/option requirements

