



Program Map



Geology Emphasis - Associate of Science Transfer Degree (AST1)

Area of Study: Science, Technology, and Engineering

Geologists study the structure of the Earth and the interactions of its components. Geologists have unique career opportunities as they participate in research that encompasses everything from glacier systems to volcanoes to evolutionary fossil history and they can also help societies to prepare for natural disasters, find and conserve natural resources, and to mitigate pollution. Geoscientists are thus needed in many fields, such as education, engineering, business, law, policy and more. Clark’s geology program exposes students to a robust rock and fossil collection and provides a rounded approach to earth sciences that includes a foundation in chemistry and physics. Students also have the opportunity to apply classroom theory with field experiences in the Columbia River Gorge as well as the Oregon/Washington coast.

> Learn about the [STEM Tutoring](#) support center.

Program maps are suggested academic plans and should not be used in the place of regular academic advising. Your student entry method, placement, course availability, and program requirements are subject to change and transfer credit(s) may change your map/plan.

Year One

Fall Term

- COLL 101 Intro to Clark 2
- GEOL& 101 Intro Physical Geology..... 5
- MATH 111 College Algebra..... 5
- ENGL& 101 English Composition I or Any Social Science Elective^..... 5

Winter Term

- GEOL 102 Intro to Geol II: Earth's Surface Processes 5
- MATH 103 College Trigonometry 5
- CHEM& 141 General Chemistry 4
- CHEM& 151 General Chemistry Laboratory I 1

Spring Term

- CHEM& 142 General Chemistry II..... 4
- CHEM& 152 General Chemistry Laboratory II 1
- MATH& 151 Calculus I 5
- ENGL& 101 English Composition I or Any Social Science elective^ 5

Summer Term

- CHEM& 143 General Chemistry III..... 4
- CHEM& 153 General Chemistry Laboratory III 2

Year Two

Fall Term

- MATH& 152 Calculus II..... 5
- PHYS 091 Physics Calculations 1
- PHYS& 124 General Physics Lab I 1
- PHYS& 134 General Physics I..... 4
- Any Health + PE course^ 3

Winter Term

- MATH& 153 Calculus III or MATH& 146 Introduction to Statistics 5
- PHYS 092 Physics Calculations 1
- PHYS& 125 General Physics Lab II 1
- PHYS& 135 General Physics II..... 4
- CMST& 220 Public Speaking..... 5

Spring Term

- GEOL& 103 Historical Geology: The Earth Through Time..... 5
- PHYS 093 Physics Calculations 1
- PHYS& 126 General Physics Lab III 1
- PHYS& 136 General Physics III..... 4
- Any Humanities or Social Science^..... 5

99 units listed. [View the Clark College Catalog](#) for additional program information.

*Elective credits in excess of 15 may not be funded by financial aid. Work with your advisor for specific academic planning based on your intended transfer institution.

Key: ^ Alternative classes are available to fit your schedule or interest. & Common Course in the State of Washington.

Approximate Costs Each Term

Tuition \$1490* for 15 credits per term plus books, supplies, and miscellaneous fees. *Tuition based on Washington resident rates. [View residency classifications](#) on our website.

Customize with Advising

Make an appointment online with Advising Services to learn more about customizing your academic plan at clark.edu/advising.

How to Enroll

Visit Clark College’s Welcome Center in Gaiser Hall room 127 or the [Get Started webpage](#) for information on becoming a new student. Email start@clark.edu or call 360-992-2078.

[Apply for Admission](#)

Support Services

At Clark College, we know that everyone who walks through our doors is a unique person with diverse, interesting and sometimes challenging circumstances. We are committed to ensuring each and every student can succeed at Clark, and are committed to serving systemically non-dominant communities, including (but not limited to) people of color, those who identify as LGBTQIA2S+ and people with disabilities. We have resource centers, clubs, programs and activities for all students.

Visit our [Student Support](#) page for more information.

Funding Options at Clark

There are many resources available to help students cover the costs to attend college—tuition, books, fees, tools, transportation, childcare, etc.—so you can focus on completing your degree or certificate.

Grants Based on need. You do not need to pay back grants.

Scholarships Similar to grants, and there are different criteria; Clark College awards hundreds of thousands of dollars to students each year. We encourage everyone to apply!

Student Employment & Work Study Money you earn through working part-time; this helps to reduce your reliance on loans, and build your skills and resume.

Loans If you do need to borrow additional funds to pay for college-related expenses, you can consider loans. It is money you borrow and will pay back with interest.

Specific Assistance For Veterans, worker retraining, DREAMers, students receiving DSHS benefits, and more.

For more information, visit our [paying for college website](#) or visit the **Office of Financial Aid** in Gaiser Hall room 101.

Career Opportunities

Career exploration and planning is an essential step to establishing your academic journey at Clark College and beyond. Career Services connects you with resources and strategies for career planning in six areas: knowing self; career awareness; relationship building and networking; work-based learning; job-search skills; and career readiness competencies. You are encouraged to participate in *MyPlan*, a comprehensive and interactive guide with activities to support your career, academic, and financial wellness planning. Visit [Career Services](#) in the Penguin Union Building room 002.

Students who complete the **Associates in Science Transfer Track 1 (AST1) – Geology Emphasis** degree and transfer to earn a bachelor's degree or higher could be employed as:

Geological Sample Technician
Geophysical Data Technician
Petroleum Technician
Geoscientist

Hydrologist
Geochemist
Atmospheric, Earth, Marine, and Space Sciences
Teachers, Postsecondary

Career exploration information established by Clark Faculty and Staff.



Clark College does not discriminate on the basis of race, color, national origin, age, perceived or actual physical or mental disability, pregnancy, genetic information, sex, sexual orientation, gender identity, marital status, creed, religion, honorably discharged veteran or military status, or use of a trained guide dog or service animal in its programs and activities, in accordance with state and federal laws. The responsibility for and the protection of this commitment extends to students, faculty, administration, staff, contractors and those who develop or participate in college programs. It encompasses every aspect of employment and every student and community activity. The following person has been designated to handle inquiries regarding non-discrimination policies: Vice President of Diversity, Equity, and Inclusion, Gaiser Hall (GHL) 220, 360-992-2757, or 360-991-0901 (video phone).

Alternate format of this document is available upon request. Please contact Disability Support Services at 360-992-2314, or 360-991-0901 (video phone).

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