

# CONCENTRATION IN GEOLOGY (AST1)(PLAN CODE: LRST1AS, SUBPLAN CODE: GEOLOGY)

Academic Plans, known as programs, include an overview description and a summary of program requirements. You can search the online catalog via the Academic Plan links on the right for a desired program or a specific course information.

Code	Title	Credits/Units
<b>General Education Requirements</b>		
<i>Communication Skills</i>		
ENGL& 101	English Composition I	5
<i>Quantitative Skills</i>		
MATH& 151	Calculus I <sup>1</sup>	5
MATH& 152	Calculus II	5
<i>Health &amp; Physical Education</i>		
Select one from the following:		3
HPE 258	Fitness-Wellness	
or HPE 266	Mind Body Health	
HLTH Health Course (two credits/units) and PE Activity Course (one credit/unit)		
<i>Humanities &amp; Social Sciences</i>		
CMST& 220	Public Speaking	5
Select 10 credits/units from the following:		10
Humanities Course Options ( <a href="https://catalog.clark.edu/degree-certificate-requirements/transfer-degree-distribution-list/#humanities">https://catalog.clark.edu/degree-certificate-requirements/transfer-degree-distribution-list/#humanities</a> )		
Social Sciences Course Options ( <a href="https://catalog.clark.edu/degree-certificate-requirements/transfer-degree-distribution-list/#social-sciences">https://catalog.clark.edu/degree-certificate-requirements/transfer-degree-distribution-list/#social-sciences</a> )		
<b>Chemistry Sequence</b>		
CHEM& 141	General Chemistry I	4
CHEM& 142	General Chemistry II	4
CHEM& 143	General Chemistry III	4
CHEM& 151	General Chemistry Laboratory I	1
CHEM& 152	General Chemistry Laboratory II	1
CHEM& 153	General Chemistry Laboratory III	2
<b>Additional Science Sequence Requirements</b>		
PHYS& 241 & PHYS& 231	Engineering Physics I and Engineering Phys Lab I	5
PHYS& 242 & PHYS& 232	Engineering Physics II and Engineering Phys Lab II	5
PHYS& 243 & PHYS& 233	Engineering Physics III and Engineering Phys Lab III	5
<b>Pre-Major Program Requirements</b>		
GEOL& 101	Introduction to Physical Geology	5
GEOL 102	Intro to Geology II Lab	5
GEOL 218	Field Studies In Geology	1-6
MATH& 153	Calculus III	5

ENGL& 102	English Composition II	5
<b>Total Credits/Units</b>		<b>93</b>

<sup>1</sup> Calculus I (MATH& 151) requires the successful completion of both Trigonometry (MATH 103) and College Algebra (MATH 110/MATH 111), or recommending score on an approved placement test prior to registration.

## Program Outcomes

Program outcomes are overarching skills that are emphasized and reinforced throughout several courses in a specific program; they are measurable statements that define what students should know or be able to do by the end of a certificate or degree at Clark College. After successful completion of this program, students will be able to:

- Obtain, evaluate, and ethically use information. (GE)
- Articulate well-considered ideas and written claims to an academic audience, using effective rhetorical techniques, properly credited evidence, and a command of Standard English. (GE)
- Analyze and interpret quantitative information presented verbally, graphically, numerically, and/or symbolically. (GE)
- Demonstrate and clearly explain an effective strategy to solve a quantitative problem. (GE)
- Demonstrate progress toward healthier behaviors. (GE)
- Interpret the human experience, within appropriate global and historical contexts, through evaluation, analysis, creation, or performance. (GE)
- Analyze patterns of power, privilege, and inequity in the United States. (GE)
- Evaluate, analyze, and explain events, behaviors, and institutions using perspectives and methods in the Social Sciences. (GE)
- Apply a method of scientific inquiry, valid to the natural sciences, to evaluate claims about the natural world. (GE)
- Apply communication theory to demonstrate effective oral communication skills. (GE)

Program maps are a suggested academic plan and should not be used in the place of regular academic advising appointments. Your student entry method, placement, course availability, and program requirements are subject to change and transfer credit(s) may change your map/plan. To view the current suggested map for your program please visit our website <https://programmap.clark.edu/academics> (<https://programmap.clark.edu/academics/>)