

CONCENTRATION IN BIOLOGICAL SCIENCES (AST1) (PLAN CODE: LRST1AS, SUBPLAN CODE: BIOSCIENCE)

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
General Education Requirements		
<i>Communication Skills</i>		
ENGL& 101	English Composition I	5
<i>Quantitative Skills</i>		
MATH& 151	Calculus I ¹	5
MATH& 152	Calculus II	5
<i>Health & Physical Education</i>		
Course Options (https://catalog.clark.edu/degree-certificate-requirements/transfer-degree-distribution-list/#health-physical-education)		3
<i>Humanities & Social Sciences</i>		15
Select 10 credits/units from the following:		10
Humanities Course Options (https://catalog.clark.edu/degree-certificate-requirements/transfer-degree-distribution-list/#humanities)		
Social Sciences Course Options (https://catalog.clark.edu/degree-certificate-requirements/transfer-degree-distribution-list/#social-sciences)		
Pre-Major Requirements		
CHEM& 141 & CHEM& 151	General Chemistry I and General Chemistry Laboratory I	5
CHEM& 142 & CHEM& 152	General Chemistry II and General Chemistry Laboratory II	5
CHEM& 143 & CHEM& 153	General Chemistry III and General Chemistry Laboratory III	6
Select one from the following:		
PHYS& 134 & PHYS& 124	General Physics I and General Physics Lab I	5
PHYS& 135 & PHYS& 125	General Physics II and General Physics Lab II	5
PHYS& 136 & PHYS& 126	General Physics III and General Physics Lab III	5
BIOL& 221 & BIOL& 222 & BIOL& 223	Majors Ecology/Evolution and Majors Cell/Molecular and Majors Organismal Phys (8/9/21)	15
PHYS& 241 & PHYS& 231	Engineering Physics I and Engineering Phys Lab I	5
Select one from the following:		
MATH& 146 or MATH& 153	Introduction to Stat Calculus III	5
Science Electives		

BIOL 101	Environ Biol Conf/Lab	5
BIOL 208 or BIOL 224	Field Studies In Biology Flowering Plants of The Pacific Northwest	1-10
BIOL 139	Introduction to Wildlife	3
Select one from the following:		3
BIOL 140	Mammals of The Northwest	
BIOL 141	Birds of The Pacific Northwest	
BIOL 142	Freshwater Fishes of The Pacific Northwest	
BIOL 145	Reptiles & Amphibians of The Pacific NW	
Total Credits/Units		90

¹ 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)/units 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/>)