



Academic Map: Environmental Management (BAS)

Bachelor of Applied Science (B.A.S) | 121 Total Credits | CSN Degree Code: ENVMGT-BAS | Catalog Year: 2023-2024 |

Biological and Physical Sciences Science and Mathematics Department of Physical Science

Jobs and Employment Information: <https://www.csn.edu/sciencearea>

DESCRIPTION: The Bachelor of Applied Science in Environmental Management degree program provides students with a flexible, relevant and current curriculum that includes opportunities for students to demonstrate a depth and breadth of knowledge in environmental theory, technology with experiential knowledge necessary to function as an environmental technician.

TERM 1 – TOTAL CREDIT HOURS: 15-19

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
MATH 126 or MATH 126E	3-5	Placement score or ACT/SAT	GE Math	C	*except MATH122/123
ENG 100 or 101 or 110 or 113	3-5	ENG Place Score; or C or up in ENG 98 or ESL 139	GE ENG Comp	C	
ENV 101 Intro to Environmental Science	3	None	GE Nat Science	C	
Hum Rel Elect – see an advisor/counselor	3	Depends on course chosen	GE Hum Rel	C	
FA/HUM/SS Elec – see an advisor/counselor	3	None	GE FA/Hum/SS	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 17

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
MATH 127 Precalculus II	3	C or up in MATH 126 or MATH 126E	GE Math	C	
ENG 102 or ENG 114	3	C- or up in ENG 100, 101 or 113	GE Com	C	
BIOL 190 Intro to Cell & Molecular Biol	4	C- or up in ENG 100 or 101 or 110 or 113 and MATH 124 or 124E or 126 or 126E or above	Special Prog Req	C	
ENV 206 Intro to Climate Change	3	ENV 101	Special Prog Req	C	
CHEM 121 General Chemistry I	4	CHEM 103 or CHEM 110 or Placement	Special Prog Elect	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 15 - 18

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
COM 101 Oral Communications	3	None	GE Com	C	
BIOL 191 Intro to Organismal Biology	4	C or up in BIOL 190	Special Prog Req	C	
CHEM 122 General Chemistry II	4	C or up in CHEM 121	Special Prog Req	C	
GEOL 101 Geology: Exploring Planet Earth	4	None	Special Prog Req	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 13

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
NRES 210 Environmental Pollution	3	ENV 101	Special Prog Req	C	
PHYS 151 General Physics I	4	C or up in MATH 127 or MATH 181	Special Prog Req	C	
Spec Prog Elect – see an advisor/counselor	2-4	Depends on course chosen	Special Prog Req	C	
PSC 101 or HIST 100	4	None	GE US/NV Cons	C	Apply for Graduation (AAS)

TERM 5 – TOTAL CREDIT HOURS: 16

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
BIOL 211 Intro to Field Biology	4	C or up in BIOL191 or Instructor Approval	SP LD Core Req	C	

CHEM 220 Intro to Organic Chemistry	4	CHEM 111 or CHEM 122	SP LD Core Req	C	
ENV 260 Intro to Climate Change	4	ENV 101	SP LD Core Req	C	Mandatory Advising Required
NRES 322 Soils	4	C or up in CHEM 122 and GEOL 101	SP UD Core Req	C	

TERM 6 – TOTAL CREDIT HOURS: 15

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
ENV 201 Env Tox and Risk Assessment	3	ENV 101	SP LD Core Req	C	
ENV 345 Env Regs, History, Law and Methods		C or up in ENV 101	SP UD Core Req	C	
BIOL 305 Intro to Conservation Biology	3	CHEM 122 and MATH 127 or above and a C or up in BIOL191	SP UD Core Req	C	
CHEM 310 Environmental Chemistry	3	C or up in CHEM 122	SP UD Core Req	C	
GEOL 330 Intro to Geochemistry	3	C or up in CHEM 122 and MATH 127 and NRES 322	SP UD Core Req	C	Mandatory Advising Required

TERM 7 – TOTAL CREDIT HOURS: 15

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
ENV 360 Enc Assessment Methods	4	C or up in CHEM 122 and ENV 101 and MATH 127 or above	SP UD Core Req	C	
CHEM 330 Analytical Chemistry	4	C or up in CHEM 122	SP UD Core Req	C	
GEOL 363 Princes of Stratigraphy and Sed	4	C or up in CHEM 122 and MATH 127 or above and NRES 322	SP UD Core Req	C	
GEOL 334 Environmental Geology	3	C or up in CHEM 122 and NRES 322	SP UD Core Req	C	Mandatory Advising Required

TERM 8 – TOTAL CREDIT HOURS: 1

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
BIOL 341 Principles of Ecology	3	C or up in BIOL 190	SP UD Core Req	C	
GEOL 448 Field Geology I	3	C or up in MATH 127 or MATH 181	SP UD Core Req	C	
GEOL 474 Hydrogeology	3	C or up in CHEM 122 and MATH 127 or above and NRES 322	SP UD Core Req	C	
Spec Prog Elect – see an advisor/counselor	6	<i>Depends on course chosen</i>	SP UD Elective	C	Apply for Graduation

