



# Academic Map: Environmental Management (BAS)<sup>1</sup>

**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>

**ADMITTANCE INFORMATION:** Admittance into the Bachelor of Applied Science requires completion of the CSN AAS Environmental Management degree or program director approval.

**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: 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 2 – 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 3 – 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 CHREM 122 and NRES 322                      | SP UD Core Req | C                | Mandatory Advising Required |

**TERM 4 – 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              | Cor or up in MATH 127 or MATH 181                     | SP UD Core Req | C                |                             |
| GEOL 474 Hydrogeology                      | 3              | Cor 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              | Depends on course chosen                              | SP UD Elective | C                | Apply for Graduation        |

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