



Bachelor of Science in
ENVIRONMENTAL SCIENCE (BS)

Bachelor of Arts in
ENVIRONMENTAL STUDIES (BA)

stockton.edu/nams

STOCKTON | SCHOOL OF NATURAL
UNIVERSITY | SCIENCES & MATHEMATICS



Environmental Science and Studies | ENVL

ABOUT THE PROGRAM

The **Environmental Science and Studies Program** provides a broad understanding of how physical, biological and human components of the environment interact to prepare students to become environmental professionals. We stress a multidisciplinary approach that enables students to follow their passions and select elective courses that best fit their interests.

The program emphasizes fieldwork and practical experiences, encourages close collaboration with faculty, and provides training in the latest technology, preparing our students for environmental careers and as lifelong learners.”

Students can concentrate in one of the following areas, or in consultation with his or her preceptor, select courses from several to tailor their interests to our offerings.

- Accelerated Science Masters Program
- Forestry
- Planning and Geographic Information Systems (GIS)
- Soil Science and Hydrology
- Wildlife

Students can also combine additional At-Some Distance courses in Education, Anthropology, Economics, Political Science, Public Health and other fields outside the natural sciences to create a more specialized program of study.

- Qualified students can move into Stockton's Professional Science Masters and complete a Bachelor of Science and a Masters Degree in our Accelerated Dual Degree Program.
- Many graduates work in the environmental field, where some have risen to leadership positions or have started their own consulting companies. Still others have graduated from Stockton to attend graduate schools where they frequently earn research and teaching assistantships.



All ENVL majors take the following Program courses in the freshman and sophomore years:

- ENVL 1100 Introduction to Environmental Science
- ENVL 2100/05 Physical Geography with Lab
- ENVL 2200/05 Ecological Principles with Lab
- ENVL 2400 Statistical Analysis of Ecological Systems
- ENVL 2600 Environmental Seminar

During the same years, all ENVL majors also take:

- BIOL 1200/05 Cells and Molecules with Lab or BIOL 1400/05 Biodiversity and Evolution with Lab
- CHEM 2010/15 Chemistry I with Lab and CHEM 2110/15 Chemistry II with Lab (BS only).
- BA students must take Economics option
- One of the following courses: ENVL 2100/05 Physical Geology with Lab or an Introductory Physics course with Lab - BA students can choose CHEM 2010/15 CHEM I in this option.

During their junior and senior years ENVL majors take upper-level courses in the Program.

Students may either specialize by taking courses in one area of Environmental Science, or they may take courses from several of these areas. These include:

- Forestry, Wildlife, or Ecology, including courses such as ENVL 3121 Wildlife Management, ENVL 3136 Mammalogy, ENVL 3429 Forest Measurement, ENVL 3419 Ecological Forest Management, ENVL 3423 Entomology, and ENVL 3417 Dendrology.
- Planning and Geographic Information Systems (GIS), including courses such as ENVL 3302 Geographic Information Systems (GIS), ENVL 3303 Advanced GIS, ENVL 4622 Global Positioning Systems (GPS) for GIS, ENVL 3311 Regional Planning, and ENVL 3310 Environmental Planning
- Soil Science and Hydrology, including courses such as ENVL 3432 Soil Science, ENVL 3434 Watershed Hydrology, and ENVL 3435 Groundwater Hydrology.

Juniors and seniors can also take courses in related programs such as Sustainability, Geology, Marine Science, Biology, Chemistry, Physics, Mathematics Political Science, and Public Health.

Students must also:

- Complete a Research Senior Project or an Internship that involves doing environmentally related work for a governmental agency, or consulting or other company, or a non- governmental agency.
- Take a senior level Environmental Issues Course.
- Complete the University's requirements in general education (BS 48 credits, BA 64 credits)

FOR ADDITIONAL INFORMATION

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FOR INFORMATION ABOUT THE PROGRAM:

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Stockton is an AA/EQ institution.