



Bachelor of Science in  
**ENVIRONMENTAL SCIENCE (BS)**

Bachelor of Arts in  
**ENVIRONMENTAL STUDIES (BA)**

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**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. Prior to graduation, each student completes a research project or works as an intern with an environmental organization to integrate his or her academic work with a real world experience.

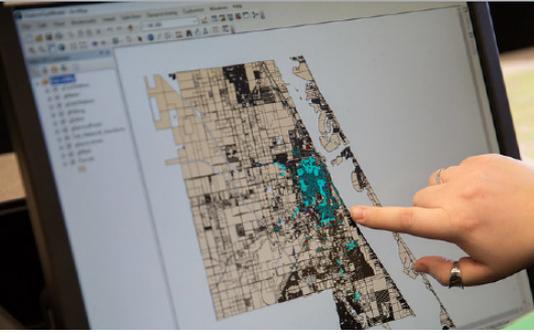
Our courses emphasize fieldwork and practical experiences, we encourage close work with our full time faculty, and we provide the latest technology to train students to step into an environmentally related career and to help them achieve the goal of becoming professionals and lifelong learners.

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.

- Environmental Quality
- Forestry
- Planning and Geographic Information Systems (GIS)
- Soil Science and Hydrology
- Wildlife

Students can also combine courses in Environmental Science with Education, Anthropology, Economics and other fields outside the natural sciences to create their own concentrations.

- 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:**

- Introduction to Environmental Science
- Environmental Seminar
- Physical Geography with Lab
- Ecological Principles with Lab
- Statistical Analysis of Ecological Systems

**During the same years, all ENVL majors also take:**

- Cells and Molecules with Lab or Biodiversity and Evolution with Lab
- Chemistry I with Lab - BS students also take a second semester of Chemistry
- Pre-calculus - BS students also take either Calculus I (MATH) or equivalent course
- One of the following courses: Physical Geology with Lab or an Introductory Physics course with Lab - BA students may substitute an Introductory Economics course.

**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:

- Environmental Quality, including courses such as Environmental Pollution and Regulation, Environmental Remediation and Biotechnology, and Environmental Toxicology.
- Forestry, Wildlife, or Ecology, including courses such as Wildlife Management, Mammalogy, Forest Measurement, Ecological Forest Management, Freshwater Ecology, Ornithology, Population Biology, Entomology, and Dendrology.
- Planning and Geographic Information Systems (GIS), including courses such as GIS, Advanced GIS, Geodatabase Systems, GPS for GIS, Regional Planning, and Environmental Planning
- Soil Science and Hydrology, including courses such as Soil Science, Watershed Hydrology, Groundwater Hydrology, and Geomorphology.

**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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[stockton.edu/nams](http://stockton.edu/nams)

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Stockton is an AA/EQ institution.