



Sustainability and Environment Majors at FSU

CIVIL ENGINEERING* (Environmental Track)

What is it?

- The study of creating the “built environment” and protecting the “natural environment.”

What will I study?

- How to design solutions to make the environment safe for humans and to restore the environment: water and wastewater treatment, water and groundwater clean-up, solid and hazardous waste management, air pollution control

What courses will I need before I start?

- Calculus I
- Calculus II
- Calculus III
- Differential Equations or Engineering Math I
- General Chemistry I w/ Lab
- General Physics A w/ Lab
- General Physics B w/ Lab

Who can I contact for information?

- Tom Trimble, Coordinator
ttrimble@fsu.edu

ENVIRONMENTAL CHEMISTRY

What is it?

- The study of the composition, structure, reactivity, and properties of substances occurring in natural places.

What will I study?

- How to perform experiments, conduct research, and analyze the chemical properties of matter found in natural air, soil and water environments, and the chemical processes occurring in environmental systems

What courses will I need before I start?

- Calculus I
- Calculus II
- General Chemistry I w/ Lab
- General Chemistry II w/ Lab
- Organic Chemistry I (w/ Lab)
- Organic Chemistry II w/ Lab
- General Physics A w/ Lab
- General Physics B w/ Lab

Who can I contact for information?

- Joshua Cummings, Coordinator
[jcummings@chem.fsu.edu](mailto:jcumings@chem.fsu.edu)

ENVIRONMENTAL SCIENCE

What is it?

- The interdisciplinary study of environmental systems from a scientific perspective.

What will I study?

- Chemical, biological, and physical building blocks leading to upper division study of geology, oceanography, and meteorology with an emphasis on research-based science

What courses will I need before I start?

- Calculus I
- Applied Statistics or Research Methods
- General Biology I w/ Lab
- General Biology II w/ Lab
- General Chemistry I w/ Lab
- General Chemistry II w/ Lab
- General Physics A w/ Lab or College Physics A
- Physical Geology w/ Lab

Who can I contact for information?

- Tim McGann, Academic Specialist
tmcgann@fsu.edu

ENVIRONMENTAL SCIENCE & POLICY

What is it?

- The interdisciplinary study of environmental systems with a focus on environmental policy to solve environmental problems.

What will I study?

- Basic chemical, biological, and physical building blocks leading to upper division study of geology, oceanography, and meteorology with an emphasis on policy, humanities, and choice of minor

What courses will I need before I start?

- College Algebra
- Precalculus or Applied Statistics
- General Biology I w/ Lab
- General Chemistry I w/ Lab
- General Biology II w/ Lab or General Chemistry II w/ Lab
- Physical Geology w/ Lab

Who can I contact for information?

- Tim McGann, Academic Specialist
tmcgann@fsu.edu

Other majors you may want to consider: Biological Science, Chemical Science, Meteorology

Program information subject to change.

* denotes majors that are also available at the Panama City Campus. † denotes majors that are also available as Distance Learning.

Please refer to the FSU Academic Program Guide (academic-guide.fsu.edu) and Match Major Sheets (career.fsu.edu/resources) for specific course numbers & more information.
Effective Summer 2017

Please flip over for additional majors →



Sustainability and Environment Majors at FSU

FSU TEACH – ENVIRONMENTAL SCIENCE

What is it?

- A double major program that involves collaboration between science and education intended to develop environmental science knowledge and the knowledge, skill, and experience needed to be an effective science teacher.

What will I study?

- Chemical, biological, and physical building blocks leading to upper division study of oceanography, geology, and meteorology with an emphasis on research-based science

What courses will I need before I start?

- Calculus I
- General Biology I w/ Lab
- General Biology II w/ Lab
- General Chemistry I w/ Lab
- General Chemistry II w/ Lab
- Physics A w/ Lab
- Physical Geology w/ Lab
- Inquiry Approaches to Teaching
- Inquiry Based Lesson Design

Who can I contact for information?

- Tim McGann, Academic Specialist
tmcgann@fsu.edu

ENVIRONMENT & SOCIETY

What is it?

- A new program exploring how humans affect and are affected by changes in the natural environment.

What will I study?

- Environmental issues including ecosystem management, climate change, sustainability, and land use planning, and how these issues are debated, measured, evaluated, and form public policy

What courses will I need before I start?

- College Algebra
- General Biology I w/ Lab
- General Chemistry I w/ Lab
- Environmental Science
- Physical Geography

Who can I contact for information?

- Alex Cohn, Academic Advisor
asc07h@fsu.edu

GEOGRAPHY

What is it?

- The study of place and space, with the spatial organization of the earth's surface. Geography provides a bridge between the physical and cultural worlds.

What will I study?

- Basic concepts of spatial variation of human and natural phenomena, problem solving in such areas as human spatial systems and natural resources

What courses will I need before I start?

- Two introductory Geography courses
Strongly recommended:
- World Geography
- Human Geography

Who can I contact for information?

- Alex Cohn, Academic Advisor
asc07h@fsu.edu

GEOLOGY

What is it?

- The study of the earth, its history, structure, composition, and evolution to form the planet we know today.

What will I study?

- Processes at work within the earth, the history of animal and plant life as recorded in rocks, applications of chemistry, physics, and biology

What courses will I need before I start?

- Calculus I
- Calculus II or Applied Statistics
- General Chemistry I w/ Lab
- General Chemistry II w/ Lab
- Physics A w/ Lab
- Physics B w/ Lab
- Physical Geology w/ Lab
- Historical Geology

Who can I contact for information?

- Valarie J. Smith, Academic Advisor
vjs12@fsu.edu

Other majors you may want to consider: Biological Science, Chemical Science, Meteorology

Program information subject to change.

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