ENVIRONMENTAL SCIENCES (ENV-SCI)

Courses

ENV-SCI 110L Understanding the Earth Laboratory Credits: 2
Laboratory and field demonstration and exercises in environmental science. Weekly exercises or field trips.
ENV-SCI 110L - MOTR PHYS 110LES: Essent. Physical Sciences w/Lab

ENV-SCI 110R Understanding the Earth: Introduction to Environmental Science and Laboratory Credits: 3
This introductory course surveys the processes that shape our planet. Topics include: plate tectonics and mountain-building, rivers and oceans, atmospheric circulation, weather and climate, and the amazingly complex relationships between life on Earth and the physical environment.
ENV-SCI 110R - MOTR PHYS 110ES: Essentials in Physical Sciences

ENV-SCI 210 Issues in Environmental Science Credits: 3
Explores important environmental issues such as air and water pollution, water supply, climate change, agriculture and food supply, environmental health, ecosystem disruption, environmental management, environmental ethics, and energy resources. Topics may vary depending on current events.

ENV-SCI 321 Climate Change Impact Assessment and Policy Response Credits: 3
This course introduces how scientists assess observed climate change and predict future climate change. Lectures, discussions, problem sets, and term papers help students explore interactions among climate change, human activities and policy responses. It helps students achieve an appreciation for the role of accurate scientific information as foundation for shaping political agreements and policies on climate change.
Prerequisites: ENV-SCI 110R.

ENV-SCI 332CZ Environmental Sustainability Credits: 3
This course will introduce the concept of sustainability and review how sustainability might work at the individual, neighborhood, state, nation and global scales. Students will participate in some form of community engagement on sustainability as well as reflect upon how their own practices impact the environment.

ENV-SCI 449 Global Water and Sustainability Credits: 3
This course examines the physical characteristics of water and its role in Earth systems. The challenges facing societies in an era of rapidly-changing climate are explored.

ENV-SCI 496 Environmental Internship Credits: 1-4
Students obtain practical experience working for local engineering and environmental firms, or governmental agencies. Specific duties and application requirements will vary depending on the funding organization's needs. Junior or senior standing required for undergraduates.