# Environmental Studies (ENV_ST)

**ENV_ST 2070: Introduction to Ecological Economics**  
(same as AG_EC 2070). Examines current environmental and natural resource issues using a systems perspective and key economic concepts. Explores connections between the environment and the economy based on problems at the local, national, and international levels.  
**Credit Hours:** 3  
**Prerequisites:** ENGLSH 1000 and sophomore standing

**ENV_ST 2101: Topics in Environmental Sciences**  
Selected topics not in regularly offered courses.  
**Credit Hour:** 1-3

**ENV_ST 2110: Environmental Sustainability**  
Students will assess availability of key resources, estimate sustainable rates of use and develop plans for aligning current and sustainable rates of use using personal, business and government strategies. Graded A-F only.  
**Credit Hours:** 3  
**Prerequisites:** ENGLSH 1000 and one introductory environmental course

**ENV_ST 2150: Directed Independent Study**  
Working with Environmental Studies you will find and develop a research project or an internship with the university, a government agency, a business or a non-profit agency. The project will be directed towards solving an environmental problem.  
**Credit Hour:** 1-3  
**Prerequisites:** instructor's consent

**ENV_ST 3000: Natural History of Missouri**  
This class deals with the characteristics of natural ecological communities of Missouri and with the skills needed to observe, record and interpret those characteristics. Graded on A-F basis only. Prerequisites: MATH 1100 and ENGLSH 1000  
**Credit Hours:** 2

**ENV_ST 4310: Topics in Environmental Studies**  
This course covers topics not covered in regularly offered courses. Students are expected to combine skills, knowledge and perspectives from the natural and social science to analyze selected environmental problems.  
**Credit Hour:** 1-3

**ENV_ST 4350: Modeling Environmental Problems**  
This course covers modeling environmental problems as systems. Modeling incorporates rates of changes, feedback loops, short/long term signals, inertia, upstream causes, interventions, implementing interventions, unintended consequences and predicting outcomes of major shocks (oil prices, pandemics, climate change). Graded on A-F basis only.  
**Credit Hours:** 3  
**Prerequisites:** 9 hours natural science courses and junior standing