Department: Agriculture, Agribusiness, and Environmental Science
Program: Agriculture Science - Environmental Science (ENVS)

Skill Set	Professional Application	Delivery of Skill Set Courses, extracurricular activities, etc. in which the skill set is introduced (I), reinforced (R), or mastered (M)
Core Skill: Critical Thinking & Problem Solving Skills	Review and implement environmental technical standards, guidelines, policies, and formal regulations that meet all appropriate requirements. Collect, synthesize, analyze, manage, and report environmental data (air pollution emissions, soil or waste samples, or mineralogical information). Research environmental impact of industrial or development activities.	ENVS 2315 Intro Environmental Science, EVEN 2311 Enviro Eng Ethics & Policy, ENVS 2315, Intro to Enviro Science, ENVS 3315 Environmental Health ENVS 4395 Research Environmental Science
Core Skill: Social Responsibility	Articulate the ethical responsibilities of an environmental professional and choose ethical courses of action in their work. Recognize an ethical dilemma in the environmental science-policy domain and apply rational decision-making to address it.	ENVS 3315 Environmental Health, ENVS 4320 Aquatic, Marine Eco Syst, ENVS 4310 Terrestrial Ecology, ENVS 3310 Landuse Decisions, RWSC 4380 Wetland Ecology
Core Skill: Prepare to engage in life-long learning	Keep up-to-date in developments in environmental science through reading current literature, talking with colleagues, continuing education, or participation in professional organizations or conferences	GEOG 3460 GIS in Natural Res Mgmt, ENVS 4390 Topics in Enviro Science
Discipline-based Skill: Master the depth of knowledge required for a degree	Comprehend fundamental earth-science based environmental systems and their main environmental outcomes. Describe the fundamental links between environmental science and the public policy arena, competing interests and ideas, and the processes that link public policies and environmental science. Collect, analyze, and interpret data using appropriate field, laboratory, and/or computational techniques and draw inferences from them.	Intro to Enviro Science, ENVS 3315 Environmental Health ENVS 4395 Research Environmental Science, ENVS 4310 Terrestrial Ecology, ENVS 3310 Landuse Decisions, RWSC 4380 Wetland Ecology, PLSS 1407 General Plant Science, PLSS 3410 Principles of Soil Science, PLSS 3321 Sustain Soil & Water Mgmt, PLSS 4327or4329 Soil Mgmt or Health,