

Department: Agriculture, Agribusiness, and Environmental Science
Program: MS Environmental Systems Management

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	Program prepares students to apply scientific knowledge to environmental conservation, and stewardship ranging from localized anthropogenic modifications of habitat to large scale industrial utilization of natural resources as humans learn to better live in harmony with nature	Advances in Environmental Science ENV5 5300 (M) Sustainable Land-use Decision & Management ENV5 5310 (I) Sustainability of Environ. Ecosystems ENV5 5330 (M) Systems Approach to Natural Resource Problem Solving RAMT 5351 (M)
Core Skill: Social Responsibility	Graduates of the program will possess the core skills to fill these projected job increase of 11% between 2016 and 2026 in environ. and resource management field. Job growth in the field is faster than the national average for other professions. The largest employers will be management, scientific and consulting services (23%) and State governments (23%). Environmental Scientists in Texas can expect to see an 18% increase in job opportunities by 2024.	Water Conservation and Management ENV5 5340 (I) Environ. Economics & Sust. Development ENV5 5360 (R) Leading a Sust. Organization MGMT 5320 (I) Crisis Mgmt. & Communication MGMT 5350(I) Leadership, Change & Innovation MGMT 537 (I) North America Wetlands ENV5 5320(I)
Core Skill: Prepare to engage in life-long learning	Keep up with contemporary environmental, agricultural and natural resources management issues	Systems Approach to Natural Resource Problem Solving RAMT 5351 (M) Advanced Studies in Environmental Science ENV5 5390 (M) Advanced Problems in Environmental Science ENV5 5395 (I)
Discipline-based Skill: Master the depth of knowledge required for a degree	Program will produce students with the following discipline specific skills: Environmental Compliance Inspection; Environmental Restoration Planning; Environmental Teachers – Postsecondary; Farmers, Ranchers and other Agricultural Management Professions; Industrial Ecologist; Management Analysts; and Environ. Scientists and Specialists including Health.	Sustainable Land-use Decision & Management (ENV5 5310 M) Sustainability of Environ. Ecosystems ENV5 5330 (M) Systems Approach to Natural Resource Problem Solving RAMT 535 (M) Water Conservation and Management ENV5 5340 (I) Environ. Economics & Sust. Development ENV5 5360(M) Leading a Sust. Organization MGMT 5320 (R) Crisis Mgmt. Communication MGMT 5350 (R) Leadership, Change & Innovation MGMT 5370(I) North America Wetlands ENV5 5320 (I)