

# DEPARTMENT OF NATURAL SCIENCES

## Overview

### Contact Information

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## Programs

- Biology, Master of Science (<https://catalog.tamusa.edu/graduate/arts-sciences/natural-sciences/biology-ms/>)
- Water Resources Science and Technology, Master of Science (<https://catalog.tamusa.edu/graduate/arts-sciences/natural-sciences/water-resources-technology-ms/>)

## Courses

### Biology

Code	Title	Credits
BIOL 5101	Independent Study	1
BIOL 5105	Graduate Seminar	1
BIOL 5201	Independent Study	2
BIOL 5301	Independent Study	3
BIOL 5303	Ecosystems Ecology	3
BIOL 5306	Thesis	3
BIOL 5309	Biology of Disease	3
BIOL 5310	Graduate Scientific Scholarship	3
BIOL 5311	Molecular Ecology	3
BIOL 5315	Biostatistics I	3
BIOL 5320	Biostatistics II	3
BIOL 5370	Special Graduate Topics in Bio	3
BIOL 5401	Independent Study	4
BIOL 5404	Biotechnology	4
BIOL 5405	Cellular Mechanisms	4
BIOL 5406	Population & Community Ecology	4
BIOL 5470	Special Graduate Topics in Bio	4

### Water Resources Science and Technology

Code	Title	Credits
WATR 5111	Graduate Seminar	1
WATR 5214	Nexus of Water, Energy, and Food	2
WATR 5305	Research Project	3
WATR 5306	Thesis	3
WATR 5312	Water Laws, Rules and Policy	3
WATR 5314	Pollutants in Environmental Systems	3
WATR 5315	Advanced Municipal and Industrial Wastewater Treatment and Recycling Systems	3
WATR 5320	Statistical Methods in Research	3
WATR 5322	Wastewater Treatment for Direct and Indirect Uses	3

WATR 5325	Natural and Constructed Green Systems for Wastewater Management	3
WATR 5330	Water Resources Science and Technology Internship	3
WATR 5335	Desalination Processes and Emerging Technologies	3
WATR 5345	Environmental Impact Assessment of Water Resources	3
WATR 5350	Groundwater Management and Field Investigations	3
WATR 5355	Institutions and Their Role in Water Resources Management	3
WATR 5360	Water Resources Sustainable Use and Conservation Policy and Practice	3
WATR 5365	Water Policy Institution Internship	3
WATR 5370	US-Mexico Borderlands and Interjurisdictional Water Issues and Policies	3
WATR 5371	Independent Study	3