

ADMINISTRATIVE OFFICERS

Mirley Balasubramanya, *Dean of the College of Arts and Sciences*, STEM Building 311 U

Walter Den, *Graduate Coordinator (Water Resources Science and Technology)*, STEM Building 349

The College of Arts and Sciences offers a graduate program in Water Resources Science and Technology leading to the Master of Science degree in Water Resources Science and Technology.

Admission Process

Prerequisites

Students must have 18 semester hours of undergraduate courses in Biology, Chemistry, Geology, Physics, Environmental Science, Engineering, WaterST or a combination of these disciplines, including 12 advanced semester hours in these disciplines, and an undergraduate cumulative grade point average (a) between 2.60-2.99 or an undergraduate grade point average of 3.00 or higher for the last 60 semester credits (or 90 quarter credits), and a minimum GRE composite (Q+V) score of 297 (score times 1000 for tests taken prior to August 2011) or (b) between 3.00-4.00 and a minimum GRE composite (Q+V) score of 285 (score times 800 for tests taken prior to August 2011). The Department has the right to examine students' prerequisites and to accept equivalent hours or to require additional work if necessary.

International applicants must demonstrate English proficiency by scoring a minimum TOEFL score of 550 (paper-based), 213 (computer-based) or 79 (Internet-based).

Curricula

WATR 5111: Water Resources Science and Technology Graduate Seminar	1 credit hours
WATR 5312: Water Laws, Rules and Policies hours	3 credit
WATR 5314: Pollutants in Environmental Systems	3 credit hours
WATR 5315: Advanced Municipal and Industrial Wastewater Treatment and	3 credit hours
WATR 5320: Statistical Methods in Research	3 credit hours
WATR 5330: Water Resources Science and Technology Internship	3 credit hours
Thesis Track Additional 20 SCH	
WATR 5306: Thesis	6 credit hours
Professional Track Additional 20 SCH	
WATR 5305: Research Project	3 credit hours
Electives chosen from 5000 level WATR courses	11 credit hours
Electives chosen from 5000 level courses in non-WATR disciplines	6 credit hours

Elective Courses

WATR 5214: Nexus of Water, Energy and Food	2 credit hours
WATR 5322: Wastewater Treatment for Direct and Indirect Uses	3 credit hours
WATR 5325: Natural and Constructed Green Systems for Wastewater Management	3 credit hours
WATR 5335: Desalination Processes and Emerging Technologies	3 credit hours
WATR 5345: Environmental Impact Assessment of Water Resources	3 credit hours
WATR 5350: Groundwater Management and Field Investigations	3 credit hours
WATR 5355: Institutions and Their Role in Water Resources Management	3 credit hours
WATR 5360: Water Resource Sustainable Use and Conservation Policy and Practice	3 credit hours
WATR 5365: Water Policy Institution Internship	3 credit hours
WATR 5370: US-Mexico Borderlands and Interjurisdictional Water Issues and Policies	3 credit hours