

## Degree Plan for B.A.A.S. Degree in Water Resources Science and Technology

CORE CURRICULUM	42 SCH	REQUIRED AREA COURSES	35 SCH
<b>ENGL 1301</b> Composition I	3	<b>WATR 3315</b> Institutions and Their Role in Water Resources Management	3
<b>ENGL 2311</b> Technical Writing	3	<b>WATR 3317</b> Water Resource Sustainable Use and Conservation Policy and Practice	3
<b>MATH 1314</b> College Algebra	3	<b>WATR 3320</b> Pollutants in Environmental Systems	3
<b>CHEM 1311</b> General Chemistry I	3	<b>WATR 3325</b> Aquatic Systems Science	3
<b>CHEM 1312</b> General Chemistry II	3	<b>WATR 3330</b> Green Systems for Wastewater Management	3
<b>General Education</b> Language/Philosophy/Culture	3	<b>WATR 3340</b> Water Resources Science and Technology Internship	3
<b>General Education</b> Creative Arts	3	<b>WATR 4305</b> US-Mexico Borderlands and Interjurisdictional Water Issues and Policies	3
<b>HIST 1301</b> U.S. History to 1865	3	<b>WATR 4310</b> Desalination and Emerging Technologies	3
<b>HIST 1302</b> U.S. History since 1865	3	<b>WATR 4315</b> Advanced Wastewater Recycling Systems	3
<b>POLS 2301</b> Federal Government	3	<b>WATR 4320</b> Environmental Impact Assessment of Water Resources	3
<b>POLS 2302</b> Texas Government	3	<b>WATR 4330</b> Water Management and Field Investigations	3
<b>ECON 2301</b> Principles of Macroeconomics	3	<b>WATR 4350</b> Senior Project	2
<b>SPCH 1315</b> Fundamentals of Public Speaking	3		
<b>MATH 1342</b> Introductory Statistics	3		
REQUIRED SUPPORT COURSES	4 SCH		
<b>CHEM 1111</b> General Chemistry I Lab	1		
<b>CHEM 1112</b> General Chemistry II Lab	1		
<b>STEM 3101</b> Jaguar Track III, Science and Mathematics: Discovering students' place in a disciplinary discussion	1		
<b>STEM 4101</b> Jaguar Track IV, Science and Mathematics: Discovering students' place in a professional field	1		
TRANSFERRABLE TECHNICAL/VOCATIONAL COURSES	39 SCH		
<b>EPCT 1327</b> Basic Water Works Operation	3		
<b>EPCT 1328</b> Basic Wastewater Operations	3		
<b>EPCT 1343</b> Treatment, Remediation, and Disposal Techniques	3		
<b>EPCT 1347</b> Waste Minimization and Pollution Prevention	3		
<b>EPCT 1351</b> Quality Assurance and Quality Control	3		
<b>EPCT 2303</b> Surface and Groundwater Collection	3		
<b>EPCT 2306</b> Wastewater Collection	3		
<b>EPCT 2312</b> Water Rules and Regulations	3		
<b>EPCT 2314</b> Wastewater Laboratory	3		
<b>EPCT 2315</b> Water Laboratory	3		
<b>EPCT 2335</b> Wastewater Treatment	3		
<b>EPCT 2341</b> Advanced Water and Wastewater Chemistry	3		
<b>EPCT 2342</b> Advanced Environmental Instrumental Analysis	3		