BAAS: WATER RESOURCES SCIENCE & TECHNOLOGY CONCENTRATION

Requirements

General Requirements

Code	Title	Credits
Core Curriculum		42
Required Support Courses		5
Major (Required) Courses		36
Technical/Vocational Credits		18-42
Total Credits		**120**

- 36 advanced credit hours required for degree
- 25% of courses must be taken at A&M-SA for degree
- CIP Code: 40.0605

All students must complete the University's Core Curriculum (https://catalog.tamusa.edu/undergraduate/academic-policies-procedures/core-curriculum/) and the specific requirements of the major. In some cases, a course that is required for a major may also be counted towards the Core Curriculum.

Code	Title	Credits
Core Curriculum [1]		
ENGL 1301	Composition I	3
ENGL 1302	Composition II	3
or ENGL 2311	Technical Writing	
BIOL 1309	Intro to Life Sciences II	3
CHEM 1311	General Chemistry I	3
CHEM 1312	General Chemistry II	3
Language/Philosophy/Culture		3
Creative Arts		3
American History		3
American History		3
Government/Political Science		3
Government/Political Science		3
ECON 2301	Principles of Macroeconomics	3
SPCH 1315	Fundamentals of Public Speaking [2]	3
MATH 1342	Introductory Statistics	3
Subtotal:		42
Required Support Courses		
UNIV 1301	First Year Seminar	3
CHEM 1111	General Chemistry Lab I	1
CHEM 1112	General Chemistry Lab II	1
Subtotal:		5
Major Courses		
WATR 3312	Water Laws, Rules & Policy	3
WATR 3317	Water Sust Use & Conserv Polcy	3
WATR 3320	Pollutants in Environmental System	3
WATR 3325	Aquatic System Science	3
WATR 3330	Green Systems for Environmental Remediation	3
WATR 3340	Water Resources Science and Technology Internship	3
WATR 4305	US-Mex Borderlands Wtr Issues	3
WATR 4315	Advanced Wastewater Recycling Systems	3
WATR 4330	Water Management and Field Investigations	3
WATR 4310	Desalination and Emerging Technologies	3
Elective		3
Elective		3
Subtotal:		36
Technical/Vocational Credits		
En bloc credits must be taken in field approved by department. Please contact department for approved courses.		18-42
Subtotal:		18-42
Total Credits		**120**

1. Other courses may satisfy core curriculum requirements. Courses listed under the core curriculum above are also specific degree requirements and are recommended in the core to expedite degree completion.
2. Earned credit in SPCH 1321 may be applied in place of SPCH 1315.

Plan of Study

This suggested plan of study is intended to be used as a guide in conjunction with official degree requirements outlined in the catalog. This plan is based on existing partnerships that allow students to complete their A.A.S. degree before transferring to A&M-San Antonio to complete the upper-division program. Each student's academic path is unique and your timeline may look different. Students should regularly consult with academic advisors as they plan their course schedules as course offerings may vary.

First Year		
First Semester		**Credits**
Transfer Coursework (AAS)		60
WATR 3320	Pollutants in Environmental System	3
WATR 3325	Aquatic System Science	3
MATH 1342	Introductory Statistics	3
Elective		3
Elective		3
	Credits	**75**
Second Semester		
WATR 3317	Water Sust Use & Conserv Polcy	3
WATR 3330	Green Systems for Environmental Remediation	3
WATR 3312	Water Laws, Rules & Policy	3
Elective		3
	Credits	**12**
Third Semester		
WATR 3340	Water Resources Science and Technology Internship	3
	Credits	**3**

Second Year		
First Semester		
WATR 4310	Desalination and Emerging Technologies	3
WATR 4315	Advanced Wastewater Recycling Systems	3
WATR 4340	Environmental Impact Assessment	3
Elective		3
Elective		3
	Credits	**15**
Second Semester		
WATR 4350	Adv Topics in Water Sciences	3
WATR 4330	Water Management and Field Investigations	3
WATR 3321	Water Policy Institution Inter	3
Elective		3
Elective		3
	Credits	**15**
	Total Credits	**120**