

B.A.S. Water Resources (121 Credits)**Guided Pathway: Bachelor of Applied Science, Water Resources Management (FULL TIME).**

For more information, visit www.fgc.edu and your academic advisor.

The Bachelor of Applied Science in Water Resources Management program prepares graduates to work in positions in the emerging field of water conservation, resources, and/or policy-making. This degree may lead to employment in a variety of fields that include water management districts, municipalities, corporations focused on water quality, and environmental agencies and corporations where water might be of primary concern.

This is the sequence of courses for students interested in **water resources management**. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a **BAS** degreeⁱⁱ. Courses that complete the degree are listed belowⁱⁱⁱ. As always, visit your academic advisor each semester to help you keep on track for graduation.

All BS/BAS degrees must satisfy the statewide Civic Literacy requirement for graduation. Please see the [catalog](#).

**FULL-TIME
Pathway****SEMESTER BY SEMESTER MAP FOR FULL- TIME STUDENTS****PRE-ENROLLMENT ACTION ITEMS**

- Conferred Associate Degree (60 credit hours)
- Complete Florida Gateway College application
- Complete BAS program application
- Completion of the standard Florida Foreign Language upper division admission requirement. If, at the time of admission the student has not completed two years of the same foreign language in high school or eight credits in college, the student will need to complete eight credits of foreign language before completing the program.
- If you are a licensed water and/or wastewater treatment operator, submit copies of your active license(s) to your advisor for articulation of credit application.^{iv}
- Meet with your advisor to discuss your plan of study.

**Use this column if you START during the
Fall of an EVEN year****Use this column if you START during the
Fall of an ODD year****SEMESTER 1 (Fall Term of an Even Year)****SEMESTER 1 (Fall Term of an Odd Year)**

PAD 3034 – Public Administration & Public Policy (*WRM core*)

EVR 4035 – Environmental Law (*WRM core*)

PAD 4223 – Public Budgeting (*WRM core*)

PAD 4351– Environmental Policy and Management (*WRM core*)

EVS 3043 – Introduction to Water Resources (*Water Resource Elective*)

EVS 4813– Control of Waterborne Diseases (*Water Resource Elective*)

MNA 3037 – Project Management & Planning (*Management Elective*)

Choose one: MAC 1105- College Algebra (*mathematics*)^v
OR

EVS 1026C – Chemistry & Biology of Natural Waters (*WRM Pre-/co-requisite*)

ACTION ITEMS

- Meet with your advisor to confirm academic and career goals by the end of the semester.

TOTAL SEMESTER CREDIT HOURS: 12 - 13

SEMESTER 2 (Spring Term of an Odd Year)		SEMESTER 2 (Spring Term of an Even Year)	
EVR 3373 – Wetland Resources (WRM core)		EVR 3373 – Wetland Resources (WRM core)	
EVR 3859 – Environmental Regulation & Compliance (WRM core)		EVR 3859 – Environmental Regulation & Compliance (WRM core)	
Choose one: Any MAC, MGF or STA class (Gen Ed mathematics) ^v OR SWS 1102 – Soil Science (WRM Pre-/co-requisite)		ACG 2021 – Introduction to Financial Accounting (WRM Pre-/co-requisite)	
Choose one: ENC 1102 – Freshman Composition II OR CRW 2001 – Creative Writing ^v (Gen Ed Communication) OR EVS 2891 – Hydrology and Quality of Water (WRM Pre-/co-requisite)		Choose one: ENC 1102 – Freshman Composition II OR CRW 2001 – Creative Writing ^v (Gen Ed Communication) OR EVS 2891 – Hydrology and Quality of Water (WRM Pre-/co-requisite)	
ACTION ITEMS			
• Meet with your advisor to confirm or update your academic/career pathway and program of study.			
TOTAL SEMESTER CREDIT HOURS: 12-14			
SEMESTER 3 (Summer of an Odd Year)		SEMESTER 3 (Summer of an Even Year)	
EVS 3044 – Water Resources with Applications in GIS (Water Resource Elective)		EVS 3113 – Water Technologies (Water Resource Elective)	
PAD 4052 – Public Management Practices (Management Elective)		MAN 4402 – HR Management Law & Employee Relations (Management Elective)	
ACG 2021 – Intro to Financial Accounting (WRM Pre-/co-requisite)		Choose one: AMH 2010 – US History to 1877 OR AMH 2020 – US History from 1877 OR POS 1041 – American Government ^{iv} (Social Science & civic literacy) OR SWS 1102 – Soil Science (WRM Pre-/co-requisite)	
ACTION ITEMS			
• Meet with your advisor to confirm or update your academic/career pathway and program of study.			
TOTAL SEMESTER CREDIT HOURS: 9 - 10			
SEMESTER 4 (Fall Term of an Odd Year)		SEMESTER 4 (Fall Term of an Even Year)	
EVR 4035 – Environmental Law (WRM core)		PAD 3034 – Public Administration & Public Policy (WRM core)	
PAD 4351– Environmental Policy and Management (WRM core)		PAD 4223 – Public Budgeting (WRM core)	
EVS 4813– Control of Waterborne Diseases (Water Resource Elective)		EVS 3043 – Introduction to Water Resources (Water Resource Elective)	
Choose one: AMH 2010 – US History to 1877 OR AMH 2020 – US History from 1877 OR POS 1041 – American Government ^{iv} (Social Science & civic literacy) OR EVS 1026C – Chemistry & Biology of Natural Waters (WRM Pre-/co-requisite)		MNA 3037 – Project Management & Planning (Management Elective)	
ACTION ITEMS			
• Meet with your advisor to confirm or update your academic/career pathway and program of study.			
• At the end of the semester, begin research on career options. Meet with a career advisor/coach to research your career options with a degree in Water Resources Management .			
• EVR 4949 requires a 30-hour field experience or conference attendance. Secure a location to complete these hours.			
• Signup for and pass the Florida Civic Literacy Exam if you did not already do so in your associate's degree.			
TOTAL SEMESTER CREDIT HOURS: 12-13			

SEMESTER 5 (Spring Term of an Even Year)		SEMESTER 5 (Spring Term of an Odd Year)	
EVR 4949 – Environmental Studies Practicum (WRM core)		EVR 4949 – Environmental Studies Practicum (WRM core)	
EVR 4032 – Environmental Ethics (Management Elective)		EVR 4032 – Environmental Ethics (Management Elective)	
EVS 4882 – Environmental Decision Making (Water Resource Elective)		EVS 4882 – Environmental Decision Making (Water Resource Elective)	
Choose one: ARH, HUM, MUH, MUL, PHI, REL or THE course (Humanities) ^v OR SWS 1102 – Soil Science (WRM Pre-/co-requisite)		Choose one: ARH, HUM, MUH, MUL, PHI, REL or THE course (Humanities) ^v OR SWS 1102 – Soil Science (WRM Pre-/co-requisite)	
ACTION ITEMS			
<ul style="list-style-type: none">After reviewing your final program of study, apply for Graduation.<ul style="list-style-type: none">Meet with your advisor to apply for graduation for your degree.Sign up for commencement.Congratulations, graduate!			
TOTAL SEMESTER CREDIT HOURS: 12			
BAS DEGREE MINIMUM: 121 SEMESTER CREDIT HOURS PATHWAY TOTAL: 121 CREDIT HOURS			

- ⁱ Degree plans may change in later catalogs. You may use this pathway if you entered the college on or before this date.
- ⁱⁱ Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by FGC to award the degree.
- ⁱⁱⁱ This is not an official degree plan. For official degree requirements, [click here](#).
- ^{iv} Articulated licensure credit may satisfy WRM Pre-/co-requisites, water resource electives, and/or management electives.
- ^v You must earn a grade of "C" or better in all Gordon Rule classes and Education core classes.