



Bachelor of Science in Environmental Science – S600A

CAREER PATHWAY: [SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH \(STEM\)](#)

Location(s): [Most courses for this program are offered at all BC locations. Specialized courses are offered at Central Campus.](#)

Program Description: The Bachelor of Science (BS) in environmental science is designed for students that wish to pursue a career as a laboratory/field technician and/or progress to a graduate degree program (MS or PhD). The curriculum will provide the students with a foundational understanding of science, critical thinking skills, experiential learning, ethics and specific technical knowledge and skills required to work in the laboratory or the field. The Biosecurity track focuses on ecology, entomology, plant science, genetics and other aspects of environmental science. An optional Advanced Technical Certificate in Geographic Information Systems (GIS) provides additional discipline skills and knowledge that will make them competitive for employment within the environmental and biological science workforce. Visit the program's [website](#) for more information.

Program Entrance Requirements: Entry requires completion of an AA/AS degree or transfer of 60+ credits (including general education) from another accredited institution. Applicants must have:

- A cumulative grade point average of 2.5 on a 4.0 scale
- Submit a letter of recommendation
- Submit all transcripts from previous institutions
- Be approved by the Environmental Science department
- Completed the following courses with a C or higher:
 - Introduction to Biology I BSC2010
 - Introduction to Biology I Lab BSC2010L
 - General Chemistry I CHM1045
 - General Chemistry I Lab CHM1045L
- One of the following: BSC2011/L Introduction to Biology II with lab or ZOO2010/L Zoology with Lab or BOT2010/L Botany with Lab or MCB2010/L Microbiology with Lab or ORH2527 Florida Flora Ecosystems Landscaping (lecture only, no lab)
- Statistics (STA2023) must be completed prior to entry or during the first year of baccalaureate study

Graduation Requirements: The Bachelor of Science degree will be awarded to students who meet the following requirements:

- A minimum of 120 semester credit hours in the prescribed coursework is required for the Bachelor of Science degree. Coursework is comprised of both lower division (AA or AS) and upper division (BS) as specified by the program sheet.
- Successful completion of the Senior Internship or Senior Research.
- Students must maintain an overall GPA of 2.5 to meet their graduation requirements.

Foreign Language Requirement: Students must successfully complete the foreign language requirement as prescribed in college policy and the college catalog.

Additional Program Information: This program collaborates with the University of Florida Ft. Lauderdale REC. Electives and certain required courses will be taken as a transient student through UF. Completion of the degree requires BS BSC4911 (Senior Research) or BSC4948 (Senior Internship) for the Biosecurity concentration.

BROWARD COLLEGE®

COLLEGE CATALOG 2021-2022

B R O W A R D . E D U



BUILD YOUR EDUCATION

Associate of Science/Associate of Arts

Bachelor of Science

RECOMMENDED COURSE SEQUENCE – BIOSECURITY TRACK A

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENY3005	Principles of Entomology	2
		ENY3005L	Principles of Entomology Lab	1
		PCB4043	Introduction to Ecology	3
Term 2	Term 2	STA2023	Statistics	3
		PCB3063	Genetics	3
		PCB3063L	Genetics Lab	1
Term 2	Term 3	SWS3006	Introduction to Soil Science	3
		GE Course	General Education Humanities	3
		ENY4161C OR	Insect Classification OR	3
		ENY4660	Medical/Veterinary Entomology	3
Term 3	Term 4	PCB3023	Cellular/Molecular Biology	3
		PLP3002C OR	Fundamentals of Plant Pathology OR	3
		ZOO4234	General Parasitology	3
Term 3	Term 5	Electives*	Electives	6
	Term 6	GE Course	General Education Social/Behavioral Sciences	3
Term 4	Term 7	Additional General Education**	Additional General Education	1
		PCB3023	Molecular and Cellular Biology	3
	Term 8	BSC4848	Scientific Communication	3
		GLY4072C	Global Environmental Change	3
	ALS4163	Challenges in Plant Resource Protection	3	
Term 5	Term 9	PCB4454C	Biostatistics with Lab	4
	Term 10	Electives*	Electives	6
Total Program Credit Hours				60

*CHOOSE ELECTIVES:

BCH3033, BSC2011, BSC2011L, BSC4473C, BSC4930, BOT2010, BOT2010L, CHM1046, CHM1046L, CHM2210, CHM2210L, CHM2211, CHM2211L, ENY4905, EVR1261, EVR1858, EVR2930, EVR3400C, EVS 4905, FAS4202C, GIS1030, GIS1040C, GIS1042C, GIS1047C, GLY4203, GLY4731, GLY4820, GLY4820L, MAC1114, MAC1140, MAC1147, MAC2233, MAC2311, MAC2312, MAC2313, MAD2104, MAP2302, MCB2010, MCB2010L, MCB4652, PSB3639C, OCE3008, OCE3064C, ORH2527, PCB4303, PCB4341C, PSC 4473C, PSC4912, PSC4930, PSC4948, SWS2242C, SWS3006L, ZOO2010, ZOO2010L

Notes: ** Additional General Education credits (if needed to meet 36 hours.)

Many courses have pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

This is only a recommended course sequence. Students are strongly encouraged to meet with an [advisor](#) to create a personalized educational plan.

CHOOSE YOUR COURSES

BROWARD COLLEGE®

COLLEGE CATALOG 2021-2022

B R O W A R D . E D U



PROGRAM HIGHLIGHTS



CREDIT FOR PRIOR LEARNING

Accelerate your path to completion with these options:

- Credit by exam
- Prior Learning Assessment
- Earned industry certifications
- And much more...



RELATED INDUSTRY CERTIFICATIONS

Upon completing this program, graduates will be eligible to sit for the following industry certifications/licenses: N/A



GET CAREER READY

After completing your first year of coursework make sure to visit the **Career Center** for internship opportunities that help you take your career to the next level! Also, explore hundreds of career videos and career profiles through Virtual Job Shadow!

[Get an Internship](#)

[Virtual Job Shadow Tool](#)



MEDIAN WAGE AND JOB GROWTH OUTLOOK

Broward College has [Career Insight](#). These tools are designed to help you find a good career by providing the most current local data on wages, employment, job postings, and associated education and training. Learn how to climb your career ladder!



FUND YOUR EDUCATION

This Program is [Financial Aid](#) eligible. [Scholarships](#) may be available.

GET STARTED TODAY!

[START APPLICATION](#)



BROWARD COLLEGESM

COLLEGE CATALOG 2021-2022

BROWARD.EDU