



**Bachelor of Science in Environmental Science
Biosecurity with Teaching Focus
Program Code S600C**

Career Pathway: Science, Technology, Engineering, and Math (STEM)

Location(s): Central Campus

Program Description: The Bachelor of Science (BS) in environmental science is designed for students that wish to pursue a career as an educator and/or 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. Foundational Education courses will prepare students for a career in education.

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.

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 BSC4911 (Senior Research) or BSC4948 (Senior Internship) for the Biosecurity concentration.

Related Industry Certifications: N/A

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

Location(s): General Education courses can be taken at any college location. Some program specific courses may only be available at the a. Hugh Adams Central Campus. Please consult the course schedule for specific semester locations.

Contact information: Program contact information can be found at www.broward.edu/environmentalscience

Build Your Education



Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	BSC4848	Scientific Communication	3
		ENY3005	Principles of Entomology	2
		ENY3005L	Principles of Entomology Lab	1
	Term 2	PCB4043	Introduction to Ecology	3
		PCB3063	Genetics	3
		PCB3063L	Genetics Lab	1
		Elective**		3
Term 2	Term 3	PCB3023	Cellular/Molecular Biology	3
		SWS3006	Introduction to Soil Science	3
		EDF 3280	Instructional Strategies	3
	Term 4	EEX 3011	Introduction to ESE	3
		ENY4660 or ENY4161	Medical/Veterinary Entomology or Insect Classification	3
Term 3	Term 5	GLY4072C	Global Environmental Change	3
		PCB4454C	Biostatistics with Lab	4
		RED 3342	Foundations of Reading	3
		TSL 3080	ESOL Issues & Strategies I	3
		Elective**		1
Term 4	Term 6	ALS4163	Challenges in Plant Resource Protection	3
		PLP3002C or ZOO4234	Plant Pathology or Parasitology	3
	Term 7	BSC4911 or BSC4948	Senior Research or Senior Internship	3
		SCE 4330	Methods and Strategies of Teaching	3
		EDG 4410	Classroom Management	3

****CHOOSE ELECTIVES:**

BCH3033, BSC2011, BSC2011L, BSC4930, BOT2010, BOT2010L, CHM1046, CHM1046L, CHM2210, CHM2210L, CHM2211, CHM2211L, ENY4905, EVR1261, EVR1858, EVR 2930, EVR3400C, EVS4905, FAS4202C, GIS1030, GIS 1040C, GIS1042C, GIS1047C, GLY4203, GLY4731, GLY4820, GLY4820L, MAC1114, MAC1140, MAC1147, MAC2233, MAC2311, MAC2312, MAC2313, MAD2104, MAP2302, MCB2010, MCB2010L, MCB4652, PSB3639C, OCE3008, OCE3064C, ORH2527, PCB4303, PCB4341C, PSC4473C, PSC4912, PSC4930, PSC4948, SWS2242C, SWS3006L, ZOO2010, ZOO2010L

Notes: 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

Program Highlights



Credit for Prior Learning: Accelerate your path to completion with these options:

- Credit by exam
- Industry Certifications
- Prior Learning Assessment
- And much more...



Related Industry Certifications:

NA



Get an Internship: Completion of the degree requires BSC4911 (Senior Research) or BSC4948 (Senior Internship) for Biosecurity concentration.



Median Wage and Job Growth Outlook: Broward College has [Career Coach](#) & the [Career Ladders](#). 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 Title IV eligible. [Scholarships](#) may be available.

Get Started Today!

START APPLICATION

