



Bachelor of Science in Environmental Science – S600C

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

BUILD YOUR EDUCATION

Associate of Science or Associate of Arts

Bachelor of Science

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RECOMMENDED COURSE SEQUENCE – BIOSECURITY TEACHING FOCUS TRACK C

| 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 | EDF3820 | Instructional Strategies | 3 |
| | | | PCB3063 | Genetics | 3 |
| | | | PCB3063L | Genetics Lab | 1 |
| Term 2 | Term 3 | SWS3006 | Introduction to Soil Science | 3 | |
| | | TSL3080 | ESOL Issues and Strategies I | 3 | |
| | | ENY4161C OR | Insect Classification OR | 3 | |
| | | ENY4660 | Medical/Veterinary Entomology | | |
| | Term 4 | Term 4 | PCB3023 | Cellular/Molecular Biology | 3 |
| | | | PLP3002C OR ZOO4234 | Fundamentals of Plant Pathology OR General Parasitology | 3 |
| Term 3 | Term 5 | Electives* | Electives | 6 | |
| | Term 6 | EEX3011 STA2023 | Introduction to Exceptional Student Education Statistics | 3 3 | |
| Term 4 | Term 7 | RED3342 | Foundations of Research Practices in Reading | 3 | |
| | | PCB3023 | Molecular and Cellular Biology | 3 | |
| | | Additional General Education** | Additional General Education credits (if needed to meet 36 hours) | 1 | |
| | Term 8 | 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 | |
| | | EDG4410 | Classroom Management | 3 | |
| | Term 10 | Term 10 | SCE4330 | Methods and Strategies of Teaching Biological Sciences | 3 |
| | | | GE Course | General Education Humanities | 3 |
| | | | GE Course | General Education Social/Behavioral Sciences | 3 |
| | | | | | |
| 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

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PROGRAM HIGHLIGHTS



CREDIT FOR PRIOR LEARNING

Accelerate your path to completion with these options:

- Credit by exam
- Earned industry certifications
- Prior Learning Assessment
- 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](#)



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