SCHOOL OF CHEMISTRY, ENVIRONMENTAL & LIFE SCIENCES
OVERVIEW

The world around us abounds in great examples of the principles of science. Our lives are affected daily by developments in chemistry, environmental and life sciences. Discoveries and advances in agriculture, human biology, chemistry and geography help us to better understand our world and our place in it. The School of Chemistry, Environmental and Life Sciences (SCELS) includes a group of related disciplines: agriculture, biology, chemistry and geography.
OUR PROGRAMMES

Students may pursue a range of programmes leading to bachelor and associate degrees. As a result of the General Education Natural Sciences requirement, all degrees have science components. They must complete 3 lower (100 and 200) level credits and 3 upper (300 and 400) level credits.

LIST OF PROGRAMMES

BACHELOR OF SCIENCE DEGREE PROGRAMMES

Biology (Minor in Chemistry)

Small Island Sustainability

• Environmental & Ecosystems Management
• Integrated Development Planning

BACHELOR OF ARTS DEGREE PROGRAMMES

Small Island Sustainability

• Ecotourism & Development
• Policy Studies

ASSOCIATE OF SCIENCE DEGREE PROGRAMMES

Agribusiness

Agriculture

Chemistry

Geography
**Bachelor of Science Degree**  
**Biology (Minor in Chemistry)**
The Bachelor in Biology with minor in Chemistry provides a solid foundation for persons seeking to pursue professional degrees in the areas of health care, teaching and laboratory services as well as the pursuit of higher degrees. It embraces Environmental as well as General Biology and offers a vigorous grounding in General and Organic Chemistry.

**Small Island Sustainability**  
**Small Island Sustainability: Environmental & Ecosystems Management**
Environmental & Ecosystems Management will focus on sustainable agriculture. Students will master sustainable agricultural production and environmental management in small island settings. They will also learn about assessment and management practices and policies which support sustainable and healthy eco-systems. Additional areas to be offered in the future: Integrated Coastal Management, Renewable Energy, Forestry and Marine Science.

**Small Island Sustainability: Integrated Development Planning**
Students in Integrated Development Planning will investigate, develop and promote all aspects of development necessary to generate healthy communities and urban, rural, and regional sustainable development practices. Students in the programme will gain a comprehensive understanding of “green” building practices that promote the well being of family, community and the environment.

**Bachelor of Arts Degree**  
**Small Island Sustainability: Ecotourism & Development**
Ecotourism & Development aims to foster critical investigation of the best sustainable tourism practices for small island settings given the range of innovative technological developments emerging. Students will be able to analyse and develop sound regulatory policies and strategies for good governance of the ecotourism industry in small island settings.
Small Island Sustainability: Policy Studies
Policy Studies will address the issue of how public policy, institutional frameworks, human relations and development issues interact, inform and operate in small island settings given the pressures placed on the natural environment and national resources. Students will learn to make a difference in the institutions and environments in which they live and work.

Associate of Science Degree
AS in Agribusiness
In this programme students will be exposed to a range of subject areas including: Agricultural Economics, Agricultural Botany, Business Fundamentals, Financial Accounting, Agricultural Geography, Business Organisation, Management and more.

AS in Agriculture
In this programme students will be exposed to a range of subject areas including: Soil Science, Livestock Science, Crop Protection, Principles of Genetics, Agricultural Economics, Principles of Biology, Agricultural Botany and more.

AS in Architecture
In this programme students will be exposed to a range of subject areas including: Architectural Graphics, Architecture Studio, Construction Materials, Construction Methods and Equipment, Architecture History, Planning and more.

AS in Chemistry
In this programme students will be exposed to a range of subject areas including: various levels of Organic and Inorganic Chemistry, College Chemistry, Physical Chemistry, Calculus with Analytic Geometry and more.
GENERAL EDUCATION PROGRAMME

All degree programmes have a general education component comprising nine areas: literacy, numeracy, foreign language, humanities, social science, natural science, health and nutrition, computer literacy and student development. While courses in your major would provide you with disciplinary, technical and procedural knowledge, the General Education Programme is designed to graduate students who demonstrate critical, reflective and creative thought and who are able to convey those thoughts articulately and confidently in written and oral form.
WHY CHOOSE THE COLLEGE OF THE BAHAMAS

At The College of The Bahamas, we are committed to academic freedom, academic integrity and high standards of ethics, research and teaching. We are committed to the education of the ‘whole’ person, and have cultivated a vibrant campus life environment that promotes learning, leadership and service; and which allows us to encourage the values of innovation and creativity. Our programmes are responsive to national needs and in many ways, reflect our national culture and identity.

College of The Bahamas students have the option of choosing not only from the broad range of academic courses and programmes that we offer, but also from a number of clubs, organizations and activities that allow them to enhance their College experience in a variety of ways. There is something to appeal to everyone from clubs and groups that focus on academic and professional disciplines, to athletics, arts and culture, community service, spiritual enrichment, and leadership.

There are also opportunities to study abroad and still gain credits at home. We have an exciting student exchange and study abroad programme. College of The Bahamas students have studied at institutions in both English and non-English speaking countries as far away as in Europe and closer to home in the Latin-American and Caribbean region, the United States and Canada. The programme is expanding to new places with new opportunities every day.

Many great things await you at The College of The Bahamas. To find out more, visit us online at www.cob.edu.bs, stop by our Admissions Office at our Oakes Field campus, or telephone us at (242) 302-4429.
CAREER OPPORTUNITIES

There are a wide range of career options that are based on science degrees. SCELS graduates can become college professors, forensic scientists, GIS specialists, physicians, horticulturists, marine biologists, cytologists or environmental impact consultants. There are career opportunities as chemical engineers, nutritionists or researchers, among hundreds of other choices. There are also career options in healthcare, education, industry, hotel sector or in multi-media. There are many science related options!
ALUMNI REFLECTIONS

“I recall my time at COB as being difficult: balancing scholarship requirements, part time jobs and my studies with the social time under the tree at COBUS or the then new bleachers in the parking lot. I look back at those times as essential to who I am now: married, working to protect the environment, and encouraging younger students to pursue their dreams for the betterment of our country form the new balance I seek. My time at COB is an essential part of the ladder I climb to success.”

Ancilleno O. Davis, MSc
Conservation Coordinator - The Nature Conservancy
AA, 2002

“I had the pleasure of obtaining my Associate Degree in Biology/Chemistry at The College of The Bahamas and that set the groundwork for me to pursue a career in medicine. I thoroughly enjoyed my time at The College and I would recommend persons interested in furthering their education to do so at COB.”

Dr. Duvaighn Curling
Oncologist
AA, 1988
FACULTY

BANKS, Frank Ph.D. – Assistant Professor
BLAIR, Judith – Assistant Professor
CHISHOLM-LIGHTBOURNE, Jacqueline – Lecturer
DAVIS, Danny – Ph.D. Assistant Professor
FLOWERS, Lester – Assistant Professor
GRANT, Patricia Ph.D. – Assistant Professor
GREAVES, Jason – Instructor
HEPBURN, Dion Ph.D. – Lecturer
HOGG, Bridget – Associate Professor
HOLDEN, Glen – Assistant Professor
JOHNSON, Earle PhD – Associate Professor
JOHNSON, Lionel – Assistant Professor
MUNDLE, Marcia Ph.D. – Assistant Professor
NEZAMUDEEN, Neromanie – Associate Professor
PHILLIPS- BURROWS, Sandra – Assistant Professor
REDDY, Kara Ph.D. – Associate Professor
ROBERTS-HANNA, Raveenia – Assistant Professor
SMITH, Woodrow – Assistant Professor
STUBBS, Kayla – Assistant Professor
THOMPSON, Joyanne – Assistant Professor
TOPPIN, Veronica – Assistant Professor
WARD, Kenya – Assistant Professor
CONTACT INFO
The School of Chemistry, Environmental & Life Sciences
The College of The Bahamas, Oakes Field
Telephone: (242) 302-4438

GENERAL ADMISSIONS CRITERIA

High School Students
- Five or more BGCSEs or equivalent passes including English and Mathematics with “C” and above grades
- Combined score of 1000 on Math and Verbal components of SAT along with a cumulative GPA of 3.0 or higher, including one term of the 12th grade

Transfer Students
- Must have completed 15 credit hours of college level coursework with “C” grade or higher at an institution recognized by COB and is in good standing with a cumulative GPA of 2.0 or higher

Mature Students (25 Years or Older)
- Must have two BGCSEs, Math and English with “C” or completed mature upgrading programme at COB or a recognised institution

For more information contact:
Office of Admissions
First Floor, Portia Smith Building
Telephone: (242) 302-4499
Email: admissions@cob.edu.bs