OVERVIEW

The world around us is constantly being shaped by innovations in technology and scientific discovery. The School of Mathematics, Physics & Technology (MPT) forms part of the Faculty of Pure & Applied Sciences. It brings together related disciplines that provide the most powerful tools for analysis and problem-solving known to mankind, providing the basis for a fundamental understanding and development of the modern world. It produces critical thinkers with the technical skills to analyze complex data, the imagination to apply mathematics to solve practical problems, and the confidence to dare to re-invent the future. Students are therefore exposed to a range of study options that promote scientific and technological understanding, creativity and innovation. MPT programmes encourage students to understand how the universe works from the smallest particle to the largest galaxy, improve on old inventions and create a new age of discovery.
OUR PROGRAMMES

The School of MPT has a diverse programme offering that allows students to study for Associate of Science and Bachelor of Science degrees. Technology and Electrical certificate programmes are also available. Programmes include:

**BACHELOR OF SCIENCE (BSC)**
- Engineering Technology: Electrical Engineering Technology
- Mathematics
- Physics with Mathematics

**ASSOCIATE OF SCIENCE (AS)**
- Architecture
- Civil Engineering Technology
- Engineering
- Engineering Physics
- Mechanical Engineering Technology
- Pre-Engineering

**CERTIFICATE PROGRAMMES**
- Pre-Technology
- Single Phase Electrical
- Three Phase Electrical

**BSc in Engineering Technology: Electrical Engineering Technology**
In this programme, students will be exposed to a range of subject areas including: Electronic Circuit Design, Engineering Economics, Microprocessor Technologies, Advanced Linear Circuits, Electromagnetic Waves and Transmission Lines, Computer Aided Design, Digital and Integrated Circuits and more.
**BSc. in Mathematics**
In this programme, students are exposed to a range of subject areas including: Linear Algebra, Statistical Inference with Application, Calculus and Analytical Geometry, Multivariable Calculus, Discrete Mathematics/Combinatorics, Theory of Complex Variables, Differential Equations, Abstract Algebra and more.

**BSc. in Physics with Mathematics**
This programme encompasses a variety of courses including: Medical Physics, Electromagnetic Theory, Quantum Mechanics and Physics, Atomic and Nuclear Physics and Relativity, Electricity and Magnetism, Multivariable Calculus, Numerical Methods, Calculus and Analytical Geometry and Atmospheric Physics among others.

**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 Engineering Physics**
In this programme students will be exposed to a range of subject areas including: Engineering Statics, Engineers Network Analysis, Engineering Dynamics, various levels of College Physics, Fortran for Engineers and Scientists, Calculus with Analytic Geometry, Differential Equations and more.

**AS in Mechanical Engineering Technology**
In this programme students will be exposed to a range of subject areas including: Mechanical Fabrication Technology, Thermodynamics, Materials Science, Trigonometry, Technology Data Processing, Physics 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 for 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 Europe and closer to home in our Latin-American and Caribbean region, the United States and Canada; and 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

An undergraduate degree in any of the MPT’s programmes of study will provide students with a sound foundation for a wide range of careers. MPT graduates would have the option of entering the job market directly, entering professional certification programmes or continuing with graduate studies in a variety of related fields and disciplines. MPT graduates may be found in fields of architecture, engineering, engineering technology, telecommunications, information technology and a host of other fields and vocations.
“My years at The College of The Bahamas was time spent well. I don’t regret one bit of it because I realized at the end of the journey that the reward was worthwhile. Many times throughout my studies I remember having to dig deep within myself to up thrust the necessary skills needed to complete assignments for class.

Although, the time and energy spent over the years was not easy, I can say that through my relentless perseverance COB has brought out the best in me. The College of The Bahamas was a blessing to me and I am sure it will definitely become a blessing to others.”

Jamaal Knowles
Electrical Engineer
BS, 2010
FACULTY

ARMBRISTER, Philip - Assistant Professor
BRAYNEN, Andre - Lecturer
CARTWRIGHT, Kenneth - Professor
CURLING, Llewelyn - Professor
DONKOH, Daniel - Associate Professor
EYK, William - Assistant Professor
EZEGBUNAM, Leonard - Associate Professor
FARLEY, Alec - Assistant Professor
FERGUSON, Joseph - Assistant Professor
FERNANDER, Shaniqua - Lecturer
HEPBURN, Henry - Assistant Professor
HUMES, Felita - Assistant Professor
HUTCHINSON, Arturo - Assistant Professor
KELLY, Freeman - Assistant Professor
KEMP, Greta - Lecturer
LLOYD, Tanya - Assistant Professor
LOBAS, Christopher - Assistant Professor
LYANSKY, Yan - Assistant Professor
MCWILLIAM, David - Lecturer
ORIAKHI, Maria - Assistant Professor
PATTERSON, Janet - Associate Professor
ROBERTS-MCWILLIAM, Renate - Lecturer
RUTH, Kevin - Assistant Professor
SANDS, Wendell - Lecturer
THOMPSON, Calvin - Associate Professor
TURNER, Wallace - Assistant Professor
WARD, Cephas - Assistant Professor
WATSON, Carlton - Assistant Professor
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