



THE UNIVERSITY OF THE WEST INDIES  
FACULTY OF SCIENCE AND TECHNOLOGY  
**Department of Mathematics**

## Bachelor of Science Degrees Offered

- ▶ Actuarial Sciences
- ▶ Mathematics
- ▶ Mathematics with Education Studies
- ▶ Mathematics & Modelling Processes
- ▶ Statistical Science



## Why Mathematics?

Mathematics is more than just numbers, it is one of the oldest and most fundamental sciences.

At Mona, we educate our students to be great leaders, problem solvers and communicators. The Department also offers the Mathematics Bridging Programme to prepare students for the rigors of university study by reinforcing their basic mathematical skills.

Mathematics can be used to solve problems in the areas of economics, physics, engineering, chemistry and business, to name a few.

## Entry Requirements

### 3-year Full-time

- ▶ 5 CSEC subjects (Grades 1-3), or equivalent (must include English Language, Mathematics and 2 laboratory science subjects) plus 2 CAPE subjects (both units at Grades 1-5), or equivalent.
- ▶ For the Actuarial Science programme, in addition to requirements above, highly competitive grades in CAPE Mathematics (2 units) are required. Passes in CAPE Business subjects are also assets.

### 4-year Full-time

- 5 CSEC subjects (Grades 1-3), or equivalent, which must include English Language, Mathematics and 2 approved laboratory science subjects)

# Careers in Mathematics

Mathematics is a major achievement of the human mind, a subject with its own structure and elegance, worthy of pursuit for its own sake.

With strong problem-solving abilities and excellent analytical skills, students possessing these qualities are normally highly sought after by employers from various industries.

- ▶ Actuary
- ▶ Cryptographer
- ▶ Computer Programmer
- ▶ Banker/Financier
- ▶ Lecturer/Teacher
- ▶ Mathematical Modeller
- ▶ Mathematician
- ▶ Financial Analyst/Consultant
- ▶ Operations Research Analyst
- ▶ Researcher
- ▶ Statistician
- ▶ Technical Publisher