Bachelor of Science (BSc) Overview

A Bachelor of Science (BSc) with our Faculty of Computing and Mathematical Sciences will give students the skills needed to be successful in a world where technology is rapidly changing our daily lives.

The BSc will enable your students to explore a range of scientific disciplines while developing strong problem-solving and critical thinking skills. As a graduate, they'll be invaluable in a world with more data and new technology than ever before.
Laying a good foundation of scientific knowledge is a key feature of the first year of the BSc. Even if they haven't studied science before, our introductory papers give them a taste of our broad range of subjects, from which they can then develop expertise in either Applied Computing, Computer Science, Data Analytics or Mathematics.

Applied Computing will appeal to students who want to gain sound technical knowledge of information systems and internet technologies. Computer Science will teach them how software systems, computers and people interact. Data Analytics gives them the tools and skills to make sense of large and complex data sets. Because the BSc is very similar to the first three years of the BCMS(Hons), students can choose when they graduate; after three years with a BSc or complete a fourth year and gain a BCMS(Hons) instead.

Y1	100 Level Major	100 Level Major	CSMAX170 Foundations in Computing and Mathematical Sciences	MATHS135 Discrete Structures	100 Level Science Elective	100 Level Science Elective	Elective	Elective
Y2	200 Level Major	200 Level Major	200 Level Major	200 Level Major*	CSMAX270 Cultural Perspectives	Elective	Elective	Elective
Y3	300 Level Major	300 Level Major	300 Level Major	Choose one from List A	300 Level Science Elective	Elective	Elective	Elective

Papers (15 points unless stated otherwise)

LIST A

COMPX374 Software Engineering Project
COMPX375 Information Systems Industry Project
COMPX390 Directed Study
COMPX391 Undergraduate Research Project
MATHS390 Directed Study
MATHS391 Undergraduate Research Project
SCIEN279 Preparation for the Professional Workplace
STATS390 Directed Study
STATS391 Undergraduate Research Project

** **Note:** For a major in Mathematics or Data Analytics, this paper will be taken at 300 level.*