



THE UNIVERSITY OF THE WEST INDIES
MONA, JAMAICA

BACHELOR OF SCIENCE

Double Major in Mathematics & Modelling Processes

The double major in Mathematics and Modelling Processes is designed to produce graduates with a solid foundation in Mathematics who are able to apply their knowledge and skills to construct and analyze mathematical models of real-world phenomena. Students wishing to pursue this double major will need to satisfy the matriculation requirement for the Bachelor of Science degree in addition to passing the Level 1 Mathematics courses at UWI, Mona.

What does the programme entail?

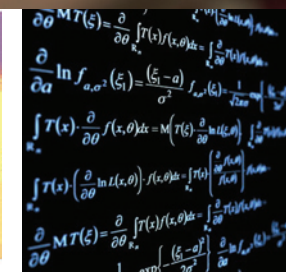
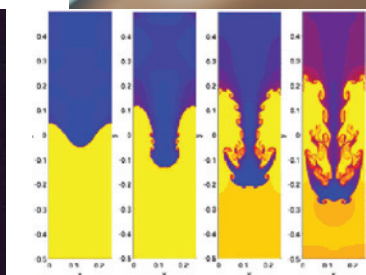
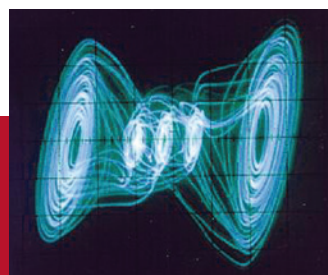
The double major in Mathematics and Modelling Processes will expose students to core mathematical theories such as Linear Algebra, Abstract Algebra, Real Analysis, Differential Equations, Mathematical Methods and Complex Analysis. Additionally, students will also pursue applied mathematical courses such as Operations Research, Mathematical Modelling, Probability Theory and Fluid Dynamics and a practical Research Project.

Expert Teaching Faculty

The programme is taught by experts with vast expertise in Mathematics and incorporates several teaching methodologies including the use of appropriate software and the merging of classroom experience with various real-world scenarios.

Career Possibilities

At the end of the programme graduates will possess expertise in the quantitative and qualitative analysis of Mathematical systems that are essential and are applicable in the regional and global context. Their career paths would span a wide spectrum including: financial services, information technology, management and consultancy, government, and industrial research and development. Additionally the double major in Mathematics and Modelling Processes would set the stage for further education in Applied Mathematics and research.



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