

Programme Overview

The MSc in Biotechnology is intended to meet the needs of a broad range of professionals whose basic learning and knowledge are in medical, agricultural and life sciences. The potential users of the MSc Biotechnology would be natural and applied scientists, teachers, agriculturists, medical, paramedical and technical professionals.

The programme is designed to provide the necessary skill sets, knowledge and hands-on experience in contemporary biotechnology which would ultimately contribute to the higher learning, capacity building and career advancement.

Entry Requirements

First degree from a recognized University in biology/biochemistry/agriculture or other natural sciences, medicine and veterinary science.

- Candidates applying for the program should have completed and secured a minimum "B" grade in at least three of the following undergraduate courses or their equivalents
 - Genetics
 - Microbiology
 - Molecular Biology
 - Microbial Biotechnology
 - Plant Biotechnology
 - Agriculture, or
 - Botany/Geography
- Persons without adequate coverage of these areas may be required to pursue and pass appropriate qualifying courses (as mentioned above) before admission into the MSc or diploma programme.
- Students enrolled for the *****PG Diploma***** can apply to transfer to the MSc programme before completion of their coursework. Students granted permission to transfer would be required to pay the additional fees and complete the additional coursework.

How to Apply

Visit <https://www.mona.uwi.edu/content/entry-requirements>, click on apply now, create an account and follow the instructions.

Submit supporting documents to:

Assistant Registrar, Office of Graduate Studies and Research,
The University of the West Indies, Mona Campus

Request degree granting institutions other than The UWI to forward official transcripts directly to the **Office of Graduate Studies and Research, The University of the West Indies, Mona Campus.**

Programme Structure

COURSE CODE	COURSE TITLES	CREDITS
CORE COURSES		
BTEC6001	Molecular biology and R-DNA technology	3
BTEC6002	Microbial and Environmental Biotechnology	3
BTEC6004	Medical and Veterinary Biotechnology	3
BTEC6005	Industrial Biotechnology and Bioprocessing	3
BTEC6006	Bioinformatics	3
BTEC6008	Bioethics, Biosafety and Intellectual Property Rights (IPR) in Biotechnology	3
BTEC6007	Immunotechnology and Molecular therapy	3
BTEC6003	Advances in Plant Genetic Engineering and Plant Biotechnology	3
	Elective I	3
	Elective II	3
	Elective III	3
ELECTIVES		
BTEC6009	Molecular Diagnostics	3
BTEC6010	Molecular Plant Breeding	3
BTEC6011	Genomics and Proteomics Technologies	3
BTEC6012	Nutraceutical Biotechnology	3
BTEC6013	Applied Bioinformatics	3
BTEC6014	Directed Reading and Seminar	3
BTECxxx	Entrepreneurship in Biotechnology	3
RESEARCH PROJECT		
BTEC6018	Research Project A	9
BTEC6019	Research Project B	12

NOTE

- The MSc **research project** can be either 9 or 12 credits, the latter being a more extensive detailed research project. For students choosing the 9 credit project, the difference in 3 credits must be made up with an elective. Although students may opt to do either research project, only those that complete the 12 credit research project will be eligible for consideration for entry into the **PhD program**.

Schedule

Evenings and Weekends

Duration

1.5 years (full-time) ; 2.5 years (part-time)

Contact Information

The University of the West Indies
Mona, Kingston 7, Jamaica, West Indies
Faculty of Science and Technology
The Biotechnology Centre
2 St John's Close

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