



Medical Biotechnology

Higher Diploma



Higher Diploma in Medical Biotechnology

The Higher Diploma in Medical Biotechnology enables learners to gain knowledge and skills to develop technologies and products that help to improve our lives. Medical Biotechnology provides breakthrough products and technologies to combat diseases, reduce environmental damages, feed the hungry, and offer safer and efficient manufacturing processes.

Higher Diploma has the Degree pathway progression to the final year of BSc (Hons) Medical Biotechnology from UK Universities.

Entry criteria

Pass grades in Chemistry and Biology (**GCE A/L-Bioscience**) or all pass grades (**GCE A/L-Technology**) or International Foundation Diploma (**IFD**) with evidence of English ability.

Duration:

Two academic years (18 months)

Mode of study:

Full time.

Lecture schedule:

Monday to Friday from 9:00 am to 4:00 pm.

Assessment:

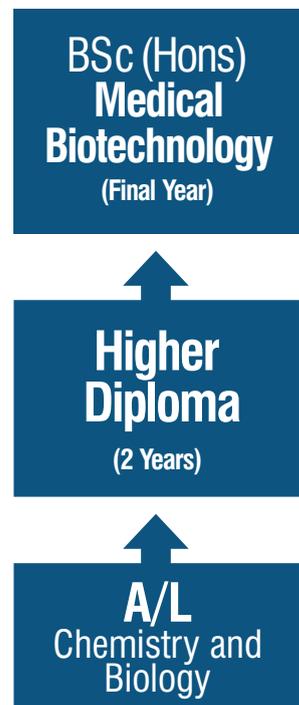
Written assignment, Examination, Presentation and Laboratory practical.

Award:

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Resources

- Course materials including core text books
- Regular meetings with personal tutors
- laboratory practicals
- Library facilities including digital resources



Higher Diploma Medical Biotechnology

Programme Structure

Year 1: Semester 1

Code	Module	Hours	Credits
MDBT 411	Cell Biology	150	15
MDBT 412	Biochemistry	150	15
MDBT 413	Chemistry for Biology	150	15
MDBT 414	Medical Microbiology	150	15
MDBT 415	Scientific and Laboratory Skills	100	10
MDBT 410	Academic Writing and Study Skills	200	0

Year 1: Semester 2

MDBT 426	Molecular Biology and Genetics	150	15
MDBT 427	Human Anatomy and Physiology	150	15
MDBT 428	Immunology	100	10
MDBT 429	Science Laboratory Management	100	10

Year 2: Semester 3

MDBT 531	Work-Based Internship	150	15
MDBT 532	Pharmacology and Toxicology	150	15
MDBT 533	Nanotechnology	150	15
MDBT 534	Epidemiology and Public Health	150	15
MDBT 535	Bioinformatics and Data Analysis	150	15

Year 2: Semester 4

MDBT 546	Applied Biotechnology	150	15
MDBT 547	Research Project	300	30

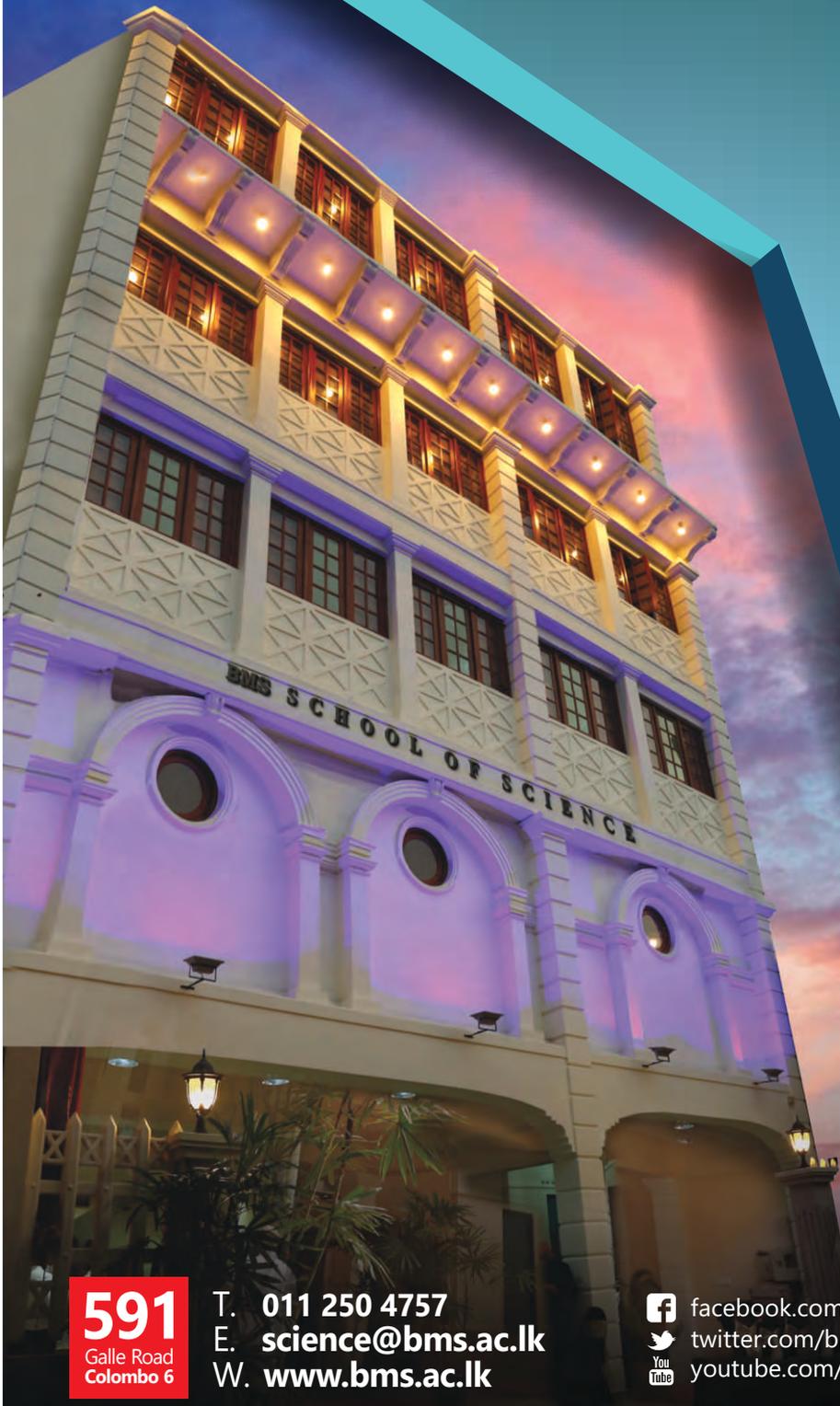
Higher Diploma in Medical Biotechnology is made up of sixteen modules and a Research Project, which comprise of 240 credits with progression to the final year of BSc (Hons) Medical Biotechnology at UK universities.



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scientists for the betterment of
our country"*



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