

# BIOLOGICAL SCIENCES

## AREA OF STUDIES

The Biological Sciences major is designed as “The Science of Life and its application for the sustainable development of human society”.

Academic progression typically begins with a rigorous liberal arts and science core, **moving into specialized modules in the third and fourth years, including: Premedicine Track, Molecular Science and Medicine Track, and Health and Wellness Track.**

Students also have the options to pursue **Ecology and Biodiversity, Bioinformatics, and Designing Health Innovation.**

The program culminates in a final-year research project and includes opportunities such as internships or entrepreneurship preparation, equipping graduates with both theoretical knowledge and real-world skills.

## CAREER OPPORTUNITIES

1. Biomedical Researchers driving discoveries in health and disease
2. Biotechnologists developing cutting-edge products and solutions
3. Public Health Officers improving community well-being
4. Environmental and Conservation Specialists protecting ecosystems
5. Health Innovation Designers creating human-centered solutions for real-world challenges.

With three specialization tracks and optional minors, students can tailor their learning to match their passions and career goals

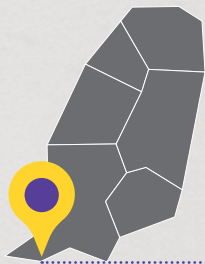
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# PATHWAYS FOR BIOLOGICAL SCIENCES STUDENTS

## PATHWAY TO DOCTOR OF MEDICINE

Students beginning this pathway need to complete a 96-credit (approx. 2 years) study plan at MUIC in the Premedicine course. This pathway offers an opportunity to pursue an International Medical Education Program. While studying abroad, students must obtain a license in the country where they study.



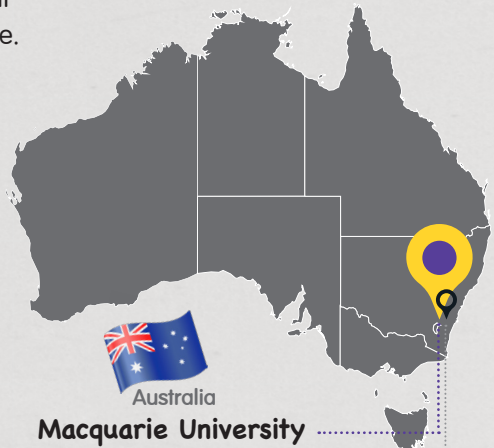
Grenada

**St. George's University**  
(Grenada, West Indies)

**2 + 4**

Biological  
Sciences

St. George's  
University



Australia

**Macquarie University**  
(Sydney, Australia)

**2 + 4**

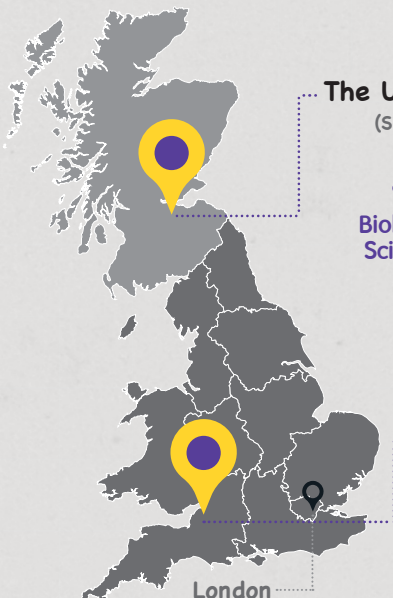
Biological  
Sciences

Macquarie  
University

Sydney

## PATHWAY TO DOCTOR OF MEDICINE

This is a **dual-degree** program combining a Bachelor's and a Veterinary Science degree. Before students go on to study Veterinary Science at MUIC's partner institution, they must first complete the B.Sc. in Biological Sciences at MUIC, which takes **approximately three years**.



Scotland

**The University of Edinburgh**  
(Scotland, UK) (Dual Degree)

**3 + 4**

Biological  
Sciences

The University  
of Edinburgh



United Kingdom

**University of Bristol**  
(Bristol, UK) (Dual Degree)

**3 + 4**

Biological  
Sciences

The University  
of Edinburgh

London



Thailand

**4 + 5**

Biological  
Sciences  
(MUIC)

Faculty of  
Dentistry  
(MU)

## PATHWAY TO DENTISTRY

This pathway is a collaborative program between Mahidol University International College and the Faculty of Dentistry, Mahidol University.

**Fourth-year students who complete the BSc at MUIC can apply to enter the second year of the Faculty of Dentistry** and complete a degree in dentistry. Upon completion of this pathway program, students are awarded two degrees: a Bachelor of Science from Mahidol University International College and a Doctor of Dental Surgery (DDS) from the Faculty of Dentistry, Mahidol University.