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[Back to Program Page](#)

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Bachelor of Science in Biomedical Sciences

Honours Degree

Program Code: BM411

Campus: North

Length: 8 semesters

Biomedical science is a growing interdisciplinary field which supports the creation, revision and implementation of innovative methods.

The Bachelor of Science in Biomedical Sciences program provides students with cutting-edge education, knowledge, skills and hands-on experience.

This program develops career-ready graduates who contribute to the development of new therapies and approaches to enhance human health.

You will participate in one mandatory paid or unpaid 14-week field experience to gain full-time professional work experience. Students will be supported throughout this experience.

This experience will enhance the theoretical learning in the program, giving you hands-on application in the field of biomedical sciences.

Courses

Semester 1

BHSW 1502: Research and Writing on Issues in Health Sciences

BMED 1000: Introductory Cell Biology

BMED 1001: Introductory Chemistry

BMED 1002: Mathematics for Biomedical Sciences

Select 1 from the following courses

DEGE: Degree Breadth Elective

Semester 2

ANAT 1010: Anatomy for Health Sciences

BMED 1500: Laboratory Techniques 1

BMED 1502: Molecular Biology

PSYC 1000: Introduction to Psychology

Required 1 from the following courses

Semester 3

BMED 2000: Laboratory Techniques 2

BMED 2001: Organic Chemistry

BMED 2002: Biostatistical Methods

BMED 2003: Fundamentals of Immunology in Health and Disease

Select 1 from the following courses

DEGE: Degree Breadth Elective

Semester 4

BMED 2501: Biochemistry

BMED 2502: Microbiology

PHYS 3000: Human Physiology

Select 2 from the following courses

DEGE: Degree Breadth Elective

Semester 5

BMED 2500: Laboratory Techniques 3

BMED 3000: Biopharmaceutical Science

BMED 3001: The Emergence of Global Trends in Biomedical Sciences

BMED 3002: Communications for Biomedical Sciences

Select 1 from the following courses

DEGE: Degree Breadth Elective

Semester 6

BHSW 3500: Applied Epidemiology

BMED 3501: Genetics

BMED 3502: Ethical and Legal Issues in Biomedical Sciences

BMED 3503: Regenerative Medicine and Tissue Engineering

BMED 3504: Professional Preparation

Select 1 from the following courses

DEGE: Degree Breadth Elective

Work Experience - SEM 6C

WORK 3555: Field Experience - Biomedical Sciences

Semester 7

BMED 4000: Histopathology

BMED 4001: Genomics and Proteomics