Bachelor of Biomedicine

Course code: HBBM

Course Requirements

To attain the Bachelor of Biomedicine students will be required to complete 288 credit points consisting of:

- 96 credit points of First Year Core units
- 144 credit points of core studies;
- 48 credit points of Minor studies

Students are required to enrol in all units for semester 1 and 2, and are not permitted to enrol in more than 48 credit points per semester as a full-time load.

Credit Points

A credit point is used to measure the study load for a unit. A standard unit consists of 12 credit points, with each completed unit's credit points adding up to meet your required total of credit points to complete your course.

Further Information

Unit and course information is available from the University course search site at http://vu.edu.au/course-search or go to https://askvu.vu.edu.au or Phone VUHQ on 03 9919 6100

Campus

Footscray Park (FP)
St Albans (SA)

College

College of Sport, Health & Engineering

Study Mode

Full Time

Duration

3 years Full Time equivalent

Fee Type

For information on course fees, refer to http://vu.edu.au/fees

Application Method

VTAC - https://vtac.edu.au
Direct Application - https://gotovu.custhelp.com/app/landing

Timetable

vu.edu.au/timetables

Course Chair

Sean Yan

Course Advice

AskCUA - https://askvu.vu.edu.au/app/askcua

Year 1

Unit Code	Unit Title	Unit Type	Sem	Credit Points	Campus	Pre-Requisites
HBM1101	Gene and Evolutionary Biology	Core	1B1	12	SA	
RBM1518	Human Physiology 1	Core	1B2,1B3, 1B4,WB1	12	FP, SA	
RCS1601	Chemistry 1A	Core	1B2,1B3, 1B4, 2B1	12	FP,SA	
RBM1100	Funtional Anatomy of the Trunk	Core	1B1,1B2, 1B3, 1B4	12	SA	
RBM1528	Human Physiology 2	Core	1B4,2B1, 2B2,2B3, 2B4	12	FP, SA	RBM1518
RBM1200	Functional Anatomy of the Limbs	Core	2B2, 2B4	12		
HHH1001	Mathematics and Statistics for Biomedicine	Core	2B2, 2B3	12	FP	
RCS1602	Chemistry 1B	Core	2B1, 2B4	12	FP, SA	RCS1601

Year 2

Unit Code	Unit Title	Unit Type	Sem	Credit Points	Campus	Pre-Requisites
RBM2530	Pathophysiology 1	Core	1B1, 1B3, 1B4, WB1	12	FP	RBM1518 and RBM1528
	Minor 1 - Unit 1	Minor	1B1, 1B2, 1B3, 1B4, SB1	12	SA	HNB1003
RBM2560	Medical Biochemistry	Core	1B1, 1B2, 1B3, 1B4, 2B2	12	FP	RBM1528, or RBF1310, and RCS1602
RBM2133	Cell and Molecular Biology	Core	1B2, 1B3, 1B4, WB1	12	ORT, SA	BM2560, and RBM1528, or RBF1310
	Minor 1 - Unit 2	Minor		12		
RBM2800	Cardiorespiratory and Renal Physiology	Core	2B2, 2B3	12	SA	RBM1528
RBM2540	Pathophysiology 2	Core	2B2,2B3, 2B4	12	FP	RBM2530
RBM2200	Functoinal Anatomy of the Head and Back	Core	2B1, 2B2, 2B3, 2B4	12	SA	RBM1100 and RBM1200

Prerequisites

A number of units within the degree have 'prerequisites'. These prerequisites must be met before enrolment in the unit is permitted. Generally these prerequisites require the successful completion of a unit or units taken at an earlier stage in the course. Students should pay particular attention to these prerequisite requirements as failure to meet these can seriously hinder progression through the course.

Core

A unit that must be completed

Minor

A subject area that is the second focus of a degree, comprising a smaller set of units than a major within a particular discipline. At Victoria University a minor is made up of 48 credit points (equivalent to 4 units).

Year 3

Unit Code	Unit Title	Unit Type	Sem	Credit Points	Campus	Pre-Requisites
HBM3106	Reproductive and Developmental Biology	Core	1B1, 1B2, 1B4	12	SA	
HBM3104	Exercise ls Medicine	Core	1B2	12	SCL	RBM2560 and RBM2800
	Minor 1 - Unit 3	Minor		12		
HBM3101	Research Methods	Core	1B2, 1B3, 1B4	12	FP	RBM2540
RBM3640	Advanced Neurosciences	Core	1B4, 2B1, 2B2, 2B3, 2B4	12	ORT, SA	RBM2100 or RBM2540 or RBM2800
HBM3204	Biomolecular Mechanisms of Disease	Other	2B1, 2B2	12	ORT, SA	HBM3104
	Minor - Unit 4	Minor		12		
HBM3205	Clinical Genetics and Cellular Basis of Disease	Core	2B3, 2B4	12	ORT, FP	RBM2540, RBM2560, and RBM2133

Minors

Approved Minors	
HMIHNU	Health and Nutrition
HMIIMM	Immunopharmacology
HMIIPH	Integrative Physiology

Minors

Health and Nutrition - HMIHNU

The Health and Nutrition Minor introduces the student to the role nutrition plays in individual health and populations through the lifespan. Upon completion of the minor students will have an understanding of the link between nutrition and health, wellness and illness and their determinants

Unit Code	Unit Title	Unit Type	Sem	Credit Points	Campus	Pre-Requisites
HBM2103	Digestion, Nutrition and Metabolism	Minor		12	SA	RBM1528 or RBM1174 or HBM1202
HHN2001	Family Health and Nutrition Through the Lifespan	Minor		12	ORT	
HHN2402	Diet & Disease	Minor		12	ORT	
HHN3002	Sport and Exercise Nutrition	Minor		12	FP	HHN2001 or HBM2103

Immunopharmacology - HMIIMM

The Immunopharmacology minor covers Microbiology, Drug Discovery and Development, Immunology and Pharmacology. It focuses on the micro organisms that cause human disease, their transmission and infection control, as well as the application of microbiology in medicine and drug development It provides a pathway to understanding how the immune system can be exploited to develop novel therapies via a pharmacological approach. This minor is vital for students wanting to explore post graduate research or work in large companies which develop pharmaceutical products and their application to disease.

Unit Code	Unit Title	Unit Type	Sem	Credit Points	Campus	Pre-Requisites
HBM2105	Medical Microbiology and Immunity	Minor		12	SA	RBM1528 or RMF1310
RBM2100	Rehabilitation Anatomy	Minor		12	SA	RBM1200 or AHE1101 and AHE2202
RBM3800	Pharmacology	Minor		12	SA	RBM2540 and RBM2560
ACM3014	Digital User Experience	Minor		12	ORT	

Semester Dates

For accurate, up-to-date semester dates for these minors, please go to MyVU.

Minors

Integrative Physiology - HMIIPH

On completion of the integrated physiology minor, students will have the knowledge and skills to apply a broad knowledge from the fundamental units of biomedical science, integrating aspects of neuromuscular physiology and research design, in a practical forum of a research project. Students will have the opportunity to apply this theoretical knowledge to practical situations in laboratory simulated learning environments, and community and industry settings, sometimes as part of a research team. Specifically, students will independently design and develop a research proposal which: 1) demonstrates an understanding of the principles of scientific research, experiment/project design; 2) develops skills in accessing, selecting, recording, reviewing and managing research data and research information; 3) critically analyses and synthesizes research data and other information; 4) considers social, cultural, and environmental issues; 5) adopts ethical practice including preparing an application for ethics approval; and 6) communicates information in oral and written forms to a range of associates including supervisors, peers, research teams, community and industry partners

Unit Code	Unit Title	Unit Type	Sem	Credit Points	Campus	Pre-Requisites
HBM2103	Digestion, Nutrition and Metabolism	Minor		12	SA	RBM1528 or RBM1174 or HBM1202
HHN2402	Diet & Disease	Minor		12	ORT	
RBM3264	Advanced Nerve and Muscle Physiology	Minor		12	SA	RBM2800
RBM3265	Excercise Biochemistry and Integrated Metabolism	Minor		12	FP	RBM2560

Semester Dates

For accurate, up-to-date semester dates for this minor, please go to MyVU.