DIPLOMA OF HEALTH SCIENCE

Program Information

The Diploma of Health Science introduces students to the physiological, psychological, social and cultural elements involved in health care, and provides the foundation for further studies in a health-related degree program at Adelaide University. Listed below are the modules comprising the Diploma of Health Science. You may have been granted exemption from some modules depending on your academic results. These will be listed in your offer letter.

All students are required to complete Mathematics for Study (MMS001) and Language Development Module 1 (LDM100) in their first trimester (unless exempted). All **International Health Science students going to Nursing/Midwifery** are exempted from LDM100 but are required to complete the IELTS preparation module Language for Health Science (LHS001) (for UniSA entry requirements of IELTS 7) in first, second and third trimester of SAIBT. Although these modules do not count towards study load or GPA, a non-graded pass (NGP) is required for program of study. **A non-graded pass in LDM100 is required for graduation.**

Stage 1			Study Load	Units
ESS001	Essential Study Skills		25%	4.5
ITN002	Information and New Media Technologies		25%	4.5
CHM001	Chemistry*		25%	4.5
CPP002	Communication, People, Place and Culture		25%	4.5
ARC002	Academic Research and Critical Enquiry		25%	4.5
HPF001	Human Physiology Fundamentals	(Pre-requisite for HLTH1011)	25%	4.5
HBI001	Human Biology	(Pre-requisite for HLTH1011 & HLTH1020)	25%	4.5
MST001	Mathematics and Statistics	(Pre-requisite for MATH1065)	25%	4.5

***Not available every trimester - check when enrolling**

Stage 2			Study Load	Units
HLTH1011	Human Physiology 1	(Pre-requisite for HLTH1012)	25%	4.5
HLTH1063	Aboriginal Health: Culture, Community and Country		25%	4.5
HLTH1038B	Introduction to Public Health		25%	4.5
MATH1065	Quantitative Methods in Health		25%	4.5
HLTH1020	Human Anatomy		25%	4.5
HLTH1036	Global and National Health		25%	4.5
BEHL1005	Applied Psychology		25%	4.5
HLTH1012	Human Physiology 2		25%	4.5

Diploma of Health Science Pathways

Please refer to the following website for information on Pathways:

https://saibt.sa.edu.au/adelaide-university/diploma-programs/diploma-of-health-science/

All classes (unless otherwise specified) are held at City East Campus (CE)

Program Outline

Tertiary Preparation

Language Development Module 1
This module is designed to provide students with opportunities to review, develop and practice the English language systems and skills required to successfully participate in an undergraduate degree program. Successful completion of this module is required for graduation.

Mathematics for Study
This unit provides a foundation in mathematics to provide students with skills to support their future university studies. Students are supported to develop core concepts and skills, and to apply these to solve problems.

Language for Health Science is designed to prepare students to obtain an IELTS of 7 for entry requirements to UniSA in Bachelor of Nursing/Midwifery. It includes intensive IELTS preparation for health-related topics and introduces specific academic language skills including writing, reading, vocabulary development, speaking, listening, note-taking and answering skills. Students will also build onto broader general topics targeted towards the IELTS examination in all four bands (reading, writing, listening and speaking).

Stage 1

Essential Study Skills
In this module students will be provided with an understanding and application of essential study skills, covering independent learning skills and styles, active listening, presentation, and group work skills.

Information and New Media Technologies
You will be introduced to the use of the Internet, social media and associated technologies in society and business. Through the module, you will utilise Microsoft Office along with online tools for effective communication and discuss the ethical and security issues related to the use of Information Communication Technologies.

Communication, People, Place and Culture
In this unit you are introduced to the basic principles of communication and its role in society and culture. You will investigate the effects of different forms of verbal and non-verbal communication and describe cultural influences on the communication process.

Academic Research and Critical Enquiry
This module will introduce you to the basic principles of critical thinking. It also assists you in developing skills needed for the tertiary study environment, including academic reading, listening, and note-taking, as well as written formats and referencing.

Chemistry
In this module you are introduced to the basic principles of Chemistry. You will discuss the impact of chemistry and chemical technology on society, develop analytical techniques to understand chemical properties and reactions, and learn to communicate these ideas clearly to your peers.

Human Physiology Fundamentals
The aim of this module is to give you an introductory understanding of how human body systems work. We will be covering basic function of the Nervous, Muscular, Respiratory, Renal, Digestive, Blood and the Cardiovascular physiological systems. In addition, we will focus throughout on the scientific terminology related to human physiology. This will enable you to understand and communicate the concepts you will be learning. You will then be well prepared to continue into Human Physiology 1 and Human Physiology 2 where you will build on this knowledge.

Human Biology
This module will introduce you to the basic concepts of human biology as a foundation for further study in this area. You will develop an understanding of the main body systems and the associated biology, and an awareness and appreciation of the human body in a personal, social and medical context.

Mathematics & Statistics
This module introduces you to the mathematical concepts required for further studies, particularly in statistics. You will learn to use fundamental arithmetic and algebra to solve problems and apply statistical processes and concepts including sampling techniques and different forms of presentation.

Stage 2

Human Physiology 1
This module will provide you with an introduction to physiological principles and familiarize you with the following areas: cells, tissues and membranes, transport mechanisms, homeostasis, muscular system, skeletal system, nervous system, cardiovascular system, respiratory system and digestive system.
Pre-requisite: Human Biology, Human Physiology Fundamentals

Aboriginal Health: Culture, Community and Country
This module provides you with introductory level understandings of the historical and contemporary perspectives of social determinants of Aboriginal health, to develop reflective and culturally responsive health professionals.

Introduction to Public Health
This module aims to develop your understanding of some of the principles and applications of population health including measures of health and illness in populations, the concept of 'risk' including determinants of health, as well as the main types of epidemiological (research) study designs.

Applied Psychology
This module provides you with an understanding of some basic psychological concepts. Broadly defined, psychology is a science that investigates human behaviour and experience in relation to aspects of the individual and the situation. This module introduces learning theory, emotion, personality and interpersonal relationships. Psychological development of individuals is charted together with concepts of normality, mental health and illness and basic approaches to psychology in healthcare.

Global and National Health
The aim of this module is to develop your understanding of health and health care systems from a global, national and local prospective. The module covers models of health and well-being, the determinants of health, the health care system in Australia and other countries and primary health care systems.

Human Anatomy
This module provides you with a knowledge and understanding of the gross anatomy of the human body: upper limb; lower limb; thorax; abdomen; pelvis; spine; bones; joints; muscles; soft tissues; surface anatomy. Discipline specific applications such as movement patterns, strength testing; anatomical imaging and sectional anatomy will also be introduced.
Pre-requisite: Human Biology

Quantitative Methods in Health
This course is an introduction to a series of statistical tools and modelling techniques with particular relevance to programs of study and professional careers in Health Sciences. The module provides an overview research methodology, nature of scientific theory and knowledge, formulating hypotheses, measurement processes, reliability and validity, levels of measurement, specificity and sensitivity of diagnostic processes, types of experimental design, internal and external validity, study power.
Use a software package for entering and analysing data, describing data with graphical and numerical summaries, statistical inference including statistical modelling, the normal distribution, sampling distributions, choice of statistical techniques including non-parametric techniques, hypothesis testing, p values, confidence intervals.
Pre-requisite: Mathematics & Statistics

Human Physiology 2
The aim of this module is to familiarise you with the following major body systems: renal, endocrine, integumentary, lymphatic, immune, nervous and reproductive. You will be introduced to the mechanisms by which these systems are involved in whole body function, to enable you to relate the structure of body components to their function.
Pre-requisite: Human Physiology 1

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