

Diploma of Health Science (Year 2)

The Diploma of Health Science introduces you to the biological, social and cultural elements involved in health care. It is specially designed for students who wish to study Nursing, Biomedical Science, Psychology, Exercise Science and Speech Pathology. This program is taught on ECU's state-of-the-art Joondalup Campus West.

On completion of your Diploma of Health Science, you will receive 8 units exemptions (except for Biomedical Science) allowing you to enter directly into year 2 of the following degree options. A minimum of 50 percent pass in all units is required for progression to ECU.

| Entry into 2 nd year of your ECU degree | Number of unit exemptions granted towards ECU degree | Duration at ECU after Diploma (Year 2) | Important note |
|---|--|--|--|
| Bachelor of Science (Nursing) – C33 | 8 units | 2 years | <ul style="list-style-type: none"> • On campus only. • ECC Diploma of Health Science (Nursing) requires an overall IELTS of 6.5 with no band less than 6.5. To articulate into ECU, students require an overall IELTS of 7.0 with no band less than 7.0. • Domestic students must enrol minimum 2 units. • Limited places. |
| Bachelor of Biomedical Science (Minor in Human Biology) – K05 | 8 units | 2 years | |
| Bachelor of Biomedical Science (Major in: <u>Applied Chemistry</u> , <u>Data Science</u> , <u>Forensic Science</u> , <u>Human Biology</u> , <u>Human Genetics</u>) – K05 | 6 units | 2.5 years | <ul style="list-style-type: none"> • Only 6 units exemption apply. |
| Bachelor of Science (Exercise and Sports Science) – M89 | 8 units | 2 years | <ul style="list-style-type: none"> • On campus only. • If start ECU in July, then need 2.5 years to complete the remaining 16 units at ECU due to sequencing of units. |
| Bachelor of Psychology – W74 | 8 units | 2 years | |
| Bachelor of Speech Pathology – Y02 | 8 units | 3 years | <ul style="list-style-type: none"> • First intake of Diploma course at ECC in Feb 2023. • February intake only. • For International onshore students only. • ECC Diploma of Health Science (Speech Pathology) requires an overall IELTS of 6.5 with no band less than 6.5. To articulate into ECU, students require an overall IELTS of 7.5 with no band less than 7.0. • Limited places. |
| All Health Science students MUST meet the pre-practicum preparation requirements for clinical practice BEFORE entering ECU. In some cases, you may need to start six months before starting ECU classes. Due to ECU practicum requirements, Diploma graduates progressing to ECU <i>may</i> require 3 years to complete the ECU component of their program. | | | |
| For maximum advanced standing at ECU, students must complete all specified 8 units. | | | |
| International students must study a full-time study load. | | | |
| Domestic students are required to take a minimum load of 2 units (30 credit points) per study period. | | | |
| ECC reserves the right to cancel classes due to insufficient demand. Timetable clashes may be unavoidable. | | | |

*Onshore only

UNIT DESCRIPTORS

Nursing

NUR1101D – Nursing in the Australian Healthcare System

This unit provides an introduction to the role the Registered nurse in the context of the Australian healthcare system.

NUM1102D – Communication Skills for Nurses

This unit introduces the student to interpersonal and professional modes of communication and conduct that support effective and efficient functioning with clients, colleagues and institutions. Academic literacy will be developed as a foundation to a successful professional discourse. The relationship between professional communication and the role of the nurse as a contributor to the health care community is central to this unit.

SCN1111D – Health Science

This unit introduces basic human anatomy and physiology and lays the foundation for application to nursing and midwifery practice. Specific topics to be addressed include: the organisation of the human body, anatomical terms, cellular function, body tissues, homeostasis and anatomy and physiology of the cardiovascular, respiratory, integumentary, musculoskeletal, neurological and endocrine systems

NPU1101 – Nursing Practice 1

The content of this unit focuses on the development of beginning level knowledge, techniques, professionalism, and skills required for a student in Stage 1 of the programme. Students will develop a beginning level of clinical thinking skills in relation to risk assessment and management, physical assessment, assisting with activities of daily living and promoting patients' wellbeing.

NUM1203D – Health Assessment

(Pre-requisite SCN1111D)

This unit utilises a case-based learning approach to build on the concept of homeostasis and how this is assessed within specific body systems. Clinical case scenarios are used as the basis for exploring how a holistic health assessment enables the identification of clinical manifestations of normal and abnormal physiology. The basics of pharmacology are introduced including the quality use of medicines, drug use/misuse and interactions.

NUM1204D – Evidence Based Practice in Nursing (Pre-requisites NUR1101D & NUM1102D)

This unit introduces students to the concept of evidence-based practice (EBP), its importance in healthcare and how it relates to and interacts with other elements of practicing as a professional healthcare provider. Students will learn how to phrase research questions and design search strategies to assist in the location of quality information to address the research question.

NUM1205D – Legal and Ethical Requirements in Nursing and Midwifery Practice (Prerequisite: NUR1101D)

The aim of the unit is to provide students with an understanding of ethics and law related to nursing and midwifery practice. Students will examine issues that may generate ethical and legal challenges for health care professionals and develop the knowledge and skills to discuss and debate these challenging issues.

NPU1202 – Nursing Practice 2 (Pre-requisite NPU1101)

In this second professional work integrated learning unit, students will continue to develop nursing skills required to provide patient care that is holistic, safe, clinically effective and culturally competent. The application of professional standards, reflective practice and a case-based approach will enable the student to assess and manage patients in the area of adult nursing.

Biomedical Science

MHS1101D – Anatomy & Physiology 1

This unit provides a comprehensive introduction to foundational concepts in human anatomy and physiology. The unit investigates core concepts in the cellular, chemical and biochemical structure and functions of the body. It then examines the developmental, anatomical and physiological features of the nervous and musculoskeletal systems.

*Onshore only

MAT1114D – Introductory Statistics

This unit deals with the methods and skills of organising, summarising and presenting numerical data. The concepts of estimation and hypothesis testing are studied, with the emphasis on analysing real data.

HST1111D – Population Health

In this unit students are introduced to the population approach to illness and disease prevention. Known also as public health, this approach focuses on improving the health of populations and is multidisciplinary in nature. The history and examples of population health strategies are introduced. The health status of Aboriginal and non-Aboriginal Australians is discussed. The various population health professional disciplines and career pathways are identified. Concepts and skills relating to academic integrity, citation of references and English language written communication are also addressed.

SCC1123 – Chemistry for the Life Sciences*

This broadly based unit will introduce the student to important chemical concepts and principles. The unit will provide the essential chemistry background required for courses in the biological, environmental and health sciences.

HST2122D – Health Research Methodology (Pre-requisite MAT1114D)

This unit aims to develop students as critical consumers of published research. Students will gain knowledge of the main steps in the research process and of the range of research strategies and methods utilised by contemporary researchers. This unit prepares students to utilise research as evidence in their professional practices.

MHS1102D – Anatomy & Physiology 2

This unit examines the anatomy and physiology of the major organ systems within the body. The systems will be investigated both with respect to their individual structure and function, as well as their roles as part of an integrated whole.

SCH1101D – Cultural Studies

This unit develops cross-cultural understanding through addressing cultural issues, with an emphasis on health and culture in patient management.

SCC1226* – Introduction to Organic Chemistry and Biochemistry (Pre-requisite SCC1123)

This unit provides an introduction to organic chemistry and biochemistry. It covers the structure and reactions of important classes of organic compounds and biomolecules including carbohydrates, lipids, proteins, enzymes, and nucleic acids. Various important applications will be described, including polymers, medicinals, soaps, detergents.

Psychology

PSY1101D – Introduction to Psychology

This unit introduces psychology and the role of the scientific method. It equips students with a basic understanding of psychology by examining the biological basis of behaviour as well as psychological health and disorders.

MHS1101D – Anatomy & Physiology 1

See Biomedical Science stream for unit description.

HST1111D – Population Health

See Biomedical Science stream for unit description.

PSY1115 – Psychology of Motivation & Emotion

This unit examines research and theories of motivation and emotion that address the question of why people behave as they do. A range of motivational explanations of behaviour are examined, and the roles of emotional and cognitive processes are considered. The unit includes applications of motivation theory to areas such as work, education, and sport.

MAT1114D – Introductory Statistics

See Biomedical Science stream for unit description.

SCH1101D – Cultural Studies

*Onshore only

See Biomedical Science stream for unit description.

PSY1204D – Social Determinants of Behaviour (Pre-requisite PSY1101D)

This unit examines the influence that other people, rules, customs, and the environment have on our behaviour. A particular emphasis is on applying the findings of social psychology to a wide range of human activities and settings. A social cognition framework will be applied to consider people in social situations.

PSY1210 – Biopsychology, Sensation & Perception

This unit focuses on the biopsychological and physiological bases of human behaviours, emphasising the influence of psychology on biology. In addition, the unit covers how nervous system structures, functions, and processes allow humans to have sensory and perceptual experiences, emphasising psychophysical methods of investigation.

Exercise & Sports Science

MAT1114D – Introductory Statistics

See Biomedical Science stream for unit description.

MHS1101D – Anatomy & Physiology 1

See Biomedical Science stream for unit description.

PSY1101D – Introduction to Psychology

See Psychology stream for unit description.

SPS1530* – Lifespan, Growth & Development

This unit provides coverage of human growth and development throughout the lifespan as it relates to movement of the body. This unit focuses on the physical, cognitive, motor and affective characteristics of the individual from the prenatal period through to late adulthood as they relate to exercise and sport.

SCH1101D – Cultural Studies

See Biomedical Science stream for unit description.

HST2122D – Health Research Methodology (Pre-requisite MAT1114D)

See Biomedical Science stream for unit description.

MHS1102D – Anatomy & Physiology 2

See Biomedical Science stream for unit description.

SPS1111 – Foundations of Fitness & Training

This unit focuses on two aspects of exercise prescription - the basic principles of exercise programming and the competencies required in fitness appraisal. Students will address these in a lecture and laboratory series.

Speech Pathology

SPE1102D – Language Across the Lifespan

This unit introduces students to the nature of language and how it develops across the lifespan. Students will learn about the core components of language within the context of culture and everyday usage. Students will examine how and when children acquire language components and how they develop for social and academic purposes in monolingual and bilingual environments. Changes in language skills and processes associated with ageing will be explored.

MHS1101D – Anatomy & Physiology 1

See Biomedical Science stream for unit description.

PSY1101D – Introduction to Psychology

See Psychology stream for unit description.

*Onshore only

SPE1100 – Evidence Based Practice in Speech Pathology

This unit introduces students to the concept of evidence-based practice in the health sciences. An emphasis will be placed on the skills and knowledge required to locate and evaluate examples of evidence-based practice from the domains of human communication science and swallowing across the lifespan. Students will collect and analyse speech pathology data and learn to be active observers. English language skills development is a feature of this unit.

MAT1114D – Introductory Statistics

See Biomedical Science stream for unit description.

MHS1102D – Anatomy & Physiology 2

See Biomedical Science stream for unit description.

SPE1103D – Language Models & Analytical Frameworks

This unit explores what is universal to human language, how language evolves over time and in different societies, how language is learnt and processed by the brain and how language is used for human communication. Students will examine the structure and function of speech and language in depth, including the role of socio-cultural context and formal and functional linguistic analyses of language.

SPE1101 – Professional Standards & Competencies

Students will develop an understanding of the frameworks and industry standards that will guide their professional practice (Speech Pathology Australia's Competency-Based Occupational Standards, the Competency Assessment in Speech Pathology, and the World Health Organization's International Classification of Functioning Disability and Health). Students will develop a portfolio to facilitate clinical competency development and reflective practice. Students will be introduced to culturally secure practice and working with different populations. Students will also observe speech pathologists in the field to understand the knowledge, skills and attributes required of a speech pathologist.

Methods of Assessment at ECC

Methods of assessment may differ depending on the program and subjects you choose. Most subjects will be assessed through a combination of written examinations and assignments, essays, presentations, seminars and tutorial participation. Some coursework will include group-based projects and practical activities. At the beginning of each unit, students are given an outline that includes due dates for the completion of assignments. Students who fail to meet these submission deadlines may be penalised even though the work was completed. Attending all classes is essential in order to be successful at ECC. **Flyer is current as of 2 June 2022.**

*Onshore only