

# Diploma of Health Science (Year 1)

The units you will study are designed to enhance your learning experience, and provide you with the underpinning knowledge necessary to prepare you for studies in health related fields at university. This program is taught on ECU's state-of-the-art Joondalup Campus West.

The program consists of 8 units of study and can be completed over 2 or 3 trimesters, and provides opportunities for scaffolded learning and the development of core academic and employability skills. Students will study the 7 units outlined below, plus a Year 1 Elective. A minimum of 50 percent pass in all units is required for progression.

This course will provide students entry into ECC Diploma of Health Science (Year 2).

## UNIT DESCRIPTORS

### **COM220 – Workplace Communication – Employability**

Students will identify, analyse and apply communication, social and intercultural skills for effective interpersonal and workplace relationships. This unit develops written skills, oral presentation skills and research skills, to prepare students for academic or professional environments. Students will make connections between learning and future employability through topics such as effective workplace relationships, negotiation, managing conflict, and skills for teamwork and leadership.

### **CPT107 – Introductory Computing**

This unit develops knowledge and skills in computing systems – software, hardware, digital security, communication networks, internet, information and data management. Students will develop their digital literacy and gain practical skills in specific computing applications from the Microsoft Office Suite. Students will also be introduced to very basic Java programming.

### **SCN110 – Foundation Science**

This unit focuses on practical skills and a science background for entry into science-based courses at university level. Students are introduced to general scientific concepts in chemistry, physics and maths. It includes various levels of chemical and biochemical organisation (important to living systems); physics concepts (kinetic theory, thermodynamics, optics, motion, and radiation), experimentation, measurement and mathematical techniques relevant to the science professions.

### **COM210 – Communication Skills**

This unit introduces the foundations of academic writing – from library research using databases, selection of approved academic resources, to writing paragraphs and essays, using the APA referencing system and delivering oral presentations using multi-media. The unit also includes essential study skills to assist with time management, note-taking and the use of memory aids for study purposes.

### **PMG100 – Project Management**

This unit introduces concepts and skills used by managers to propose, plan, secure resources, budget and lead project teams to successful project completion. Students will examine and apply fundamental principles, strategies and approaches for project management in a variety of contexts that are universally applicable across organisations and project types. Students will explore project definition, planning, execution, basic feasibility models, management and control, procurement and implementation through a variety of practical tasks. Topics include quality, issue and risk management, project scope management, development strategies.

### **CHE100 – Introductory Chemistry**

This Chemistry unit is designed for students who wish to study engineering, physical sciences or health sciences at a tertiary level. It covers the study of matter and its interactions (chemical quantities, atoms, states, chemical bonding, chemical calculations, electronic and molecular structures, organic and inorganic chemistry). Students will develop skills in organising, analysing and interpreting information and use simulated activities to prepare for future laboratory work.

#### **MTH104 – Introductory Mathematics**

This unit is designed for students who require a general mathematics background suitable for studies in business, health sciences and computing/IT courses. Students will learn to use a scientific calculator and develop critical thinking skills to identify, analyse, synthesise and solve mathematical calculations in arithmetic, statistics, algebra, functions and their graphs, optimisation, sequences, series, growth and decay, differential calculus, trigonometry, geometric sequences, series, set theory and interest.

#### **Year 1 Elective**

#### **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 23 February 2023.**

#### **Important information for students**

International students must study a full-time study load.

ECC reserves the right to cancel classes due to insufficient demand. This may affect the pathways offered or unit exemptions granted into the ECU degree.