

Diploma of Engineering

Diploma of Engineering Studies (Stage 2)



This document outlines the **program structures** for each of the engineering streams in the *Diploma of Engineering* and the *Diploma of Engineering Studies (Stage 2)*.

Program Structure 1

The University of Adelaide

- Bachelor of Engineering - Civil and Environmental
- Bachelor of Engineering - Civil and Structural
- Bachelor of Engineering - Mining
- Bachelor of Engineering - Petroleum
- Bachelor of Engineering - Computational
- Bachelor of Engineering - Mechanical
- Bachelor of Engineering - Mechanical and Aerospace
- Bachelor of Engineering - Mechanical and Sports
- Bachelor of Engineering - Mechanical and Sustainable Energy
- Bachelor of Engineering - Mechatronic

University of South Australia

- Bachelor of Engineering - Civil
- Bachelor of Engineering - Civil and Structural
- Bachelor of Engineering - Mechanical
- Bachelor of Engineering - Mechanical and Advanced Manufacturing
- Bachelor of Engineering - Mechanical and Mechatronic

Two-Trimester Offer

| TRIMESTER 1 | TRIMESTER 2 |
|---|--|
| <ul style="list-style-type: none"> ▪ Engineering Communication EAL ▪ Engineering Mechanics - Statics ▪ Introduction to Programming for Engineers ▪ Mathematics 1A | <ul style="list-style-type: none"> ▪ Design Graphics & Communication ▪ Engineering Mechanics - Dynamics ▪ Materials 1 ▪ Mathematics 1B |

Three-Trimester Offer

| TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3 |
|--|---|--|
| <ul style="list-style-type: none"> ▪ Engineering Communication EAL ▪ Engineering Mechanics - Statics ▪ Mathematics 1A | <ul style="list-style-type: none"> ▪ Engineering Mechanics - Dynamics ▪ Introduction to Programming for Engineers ▪ Mathematics 1B | <ul style="list-style-type: none"> ▪ Design Graphics & Communication ▪ Materials 1 |

Program Structure 2

The University of Adelaide

- Bachelor of Engineering - Electrical and Electronic

Two-Trimester Offer

| TRIMESTER 1 | TRIMESTER 2 |
|--|--|
| <ul style="list-style-type: none"> ▪ Analogue Electronics ▪ Engineering Communication EAL ▪ Introduction to Programming for Engineers ▪ Mathematics 1A | <ul style="list-style-type: none"> ▪ Digital Electronics ▪ Engineering Mechanics – Dynamics ▪ Object Orientated Programming ▪ Mathematics 1B |

Three-Trimester Offer

| TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3 |
|---|--|---|
| <ul style="list-style-type: none"> ▪ Mathematics 1A ▪ Analogue Electronics ▪ Engineering Communication EAL | <ul style="list-style-type: none"> ▪ Mathematics 1B ▪ Digital Electronics ▪ Introduction to Programming for Engineers | <ul style="list-style-type: none"> ▪ Engineering Mechanics - Dynamics ▪ Object Oriented Programming |

Program Structure 3

The University of Adelaide

- Bachelor of Engineering - Civil and Architectural
- Bachelor of Engineering - Chemical (Minerals Processing)
- Bachelor of Engineering - Chemical (Sustainable Energy)
- Bachelor of Engineering - Chemical
- Bachelor of Engineering - Chemical and Pharmaceutical

Two-Trimester Offer

| TRIMESTER 1 | TRIMESTER 2 |
|---|--|
| <ul style="list-style-type: none"> ▪ Engineering Communication EAL ▪ Engineering Mechanics - Statics ▪ Introduction to Programming for Engineers ▪ Mathematics 1A | <ul style="list-style-type: none"> ▪ Mathematics 1B Three (3) electives from: <ul style="list-style-type: none"> ▪ Analogue Electronics ▪ Design Graphics & Communication ▪ Engineering Mechanics - Dynamics ▪ Materials 1 ▪ Object Oriented Programming |

Three-Trimester Offer

| TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3 |
|--|--|---|
| <ul style="list-style-type: none"> ▪ Engineering Communication EAL ▪ Engineering Mechanics - Statics ▪ Mathematics 1A | <ul style="list-style-type: none"> ▪ Introduction to Programming for Engineers ▪ Mathematics 1B One (1) elective from: <ul style="list-style-type: none"> ▪ Analogue Electronics ▪ Engineering Mechanics - Dynamics ▪ Materials 1 ▪ Design Graphics & Communication ▪ Object Oriented Programming | Two (2) electives from: <ul style="list-style-type: none"> ▪ Analogue Electronics ▪ Engineering Mechanics - Dynamics ▪ Materials 1 ▪ Design Graphics & Communication ▪ Object Oriented Programming |