DIPLOMA IN ENGINEERING

Information for students who commenced the Diploma prior to 2024

Completing the Diploma in Engineering lets you receive guaranteed entry and up to:

- **70 units of credit into the Bachelor of Aerospace Systems Engineering (Honours)**
- **80 units of credit into the Bachelor of Chemical Engineering (Honours)**
- **80 units of credit into the Bachelor of Civil Engineering (Honours)**
- **70 units of credit into the Bachelor of Computer Systems Engineering (Honours)**
- **80 units of credit into the Bachelor of Electrical and Electronic Engineering (Honours)**
- **60 units of credit into the Bachelor of Environmental Engineering (Honours)**
- **80 units of credit into the Bachelor of Mechanical Engineering (Honours)**
- **70 units of credit into the Bachelor of Mechatronics Engineering (Honours)**
- **60 units of credit into the Bachelor of Medical Engineering (Honours)**
- **80 units of credit into the Bachelor of Renewable Energy Engineering (Honours)**
- **60 units of credit into the Bachelor of Software Engineering (Honours)**
- **80 units of credit into the Bachelor of Surveying (Honours)**

Whether you can receive the full amount of credit will depend on which directed course you complete in the Diploma in Environment and which Bachelor degree program you choose. Please refer to the information below to make sure you choose the right courses to maximise your credit into your chosen Bachelor degree program. Please note that program structures can vary from year to year and that the credit you are eligible for at the completion of the Diploma may vary from what is listed in this document.

Diploma in Engineering Course		Equivalent Bachelor Course	
ENGG1500	Introduction to Professional Engineering	ENGG1500	Introduction to Professional Engineering
FNEG1003	Engineering Computations and Procedural Programming	ENGG1003	Introduction to Procedural Programming
FNEG1110	Introduction to Mechanical Engineering Design	MECH1110	Introduction to Mechanical Engineering Design
FNMT1002	Foundational Studies in Mathematics	MATH1002	Foundational Studies in Mathematics
FNMT1110	Mathematics for Engineering, Science and Technology 1	MATH1110	Mathematics for Engineering, Science and Technology 1
FNPS1001 FNPS1002	Engineering Physics 1 Engineering Physics 2	Depending on the Bachelor program, students receive credit for a 10 unit 1000 level elective and either PHYS1205 Fundamentals of Engineering Physics or PHYS1210 Advanced Physics I on the basis of completing both FNPS1001 and FNPS1002.	
FNEG1004	Fundamentals of Engineering Mechanics	CIVL1100	Fundamentals of Engineering Mechanics
FNEG1005	Introduction to Electrical Engineering	ELEC1310	Introduction to Electrical Engineering

Bachelor of Aerospace Systems Engineering (Honours)

Students who successfully complete the Diploma in Engineering can receive 70 units of credit for

*If you complete FNEG1004 as your Diploma in Engineering Directed course, you will receive credit for CIVL1100. If you complete FNEG1005 as your Diploma in Engineering Directed course, you will receive credit for ELEC1310. You cannot complete both FNEG1004 and FENG1005.

#Course will count as an elective in the Bachelor of Aerospace Systems Engineering (Honours).

CIVL1100*	Fundamentals of Engineering Mechanics
CRGR1001#	10 unit 1000 level elective
ELEC1310*	Introduction to Electrical Engineering
ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110	Introduction to Mechanical Engineering Design

Bachelor of Chemical Engineering (Honours)

Students who successfully complete the Diploma in Engineering can receive 80 units of credit for

*If you complete FNEG1004 as your Diploma in Engineering Directed course, you will receive credit for CIVL1100. If you complete FNEG1005 as your Diploma in Engineering Directed course, you will receive credit for ELEC1310. You cannot complete both FNEG1004 and FENG1005.

#Course will count as an elective in the Bachelor of Chemical Engineering (Honours).

CIVL1100*#	Fundamentals of Engineering Mechanics
CRGR1001#	10 unit 1000 level elective
ELEC1310*#	Introduction to Electrical Engineering
ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110#	Introduction to Mechanical Engineering Design
PHYS1210	Advanced Physics I

Bachelor of Civil Engineering (Honours)

Students who successfully complete the Diploma in Engineering can receive 80 units of credit for

*You must complete FNEG1004 as your Diploma in Engineering Directed course in order to receive credit for CIVL1100.

#Course will count as an elective in the Bachelor of Civil Engineering (Honours).

CIVL1100*	Fundamentals of Engineering Mechanics
CRGR1001#	10 unit 1000 level elective
ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110#	Introduction to Mechanical Engineering Design
PHYS1205	Fundamentals of Engineering Physics

Bachelor of Computer Systems Engineering (Honours)

Students who successfully complete the Diploma in Engineering can receive 70 units of credit for

*You must complete FNEG1005 as your Diploma in Engineering Directed course in order to receive credit for ELEC1310.

#Course will count as an elective in the Bachelor of Computer Systems Engineering (Honours).

ELEC1310*	Introduction to Electrical Engineering
ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110#	Introduction to Mechanical Engineering Design
PHYS1210#	Advanced Physics I

Bachelor of Electrical and Electronic Engineering (Honours)

Students who successfully complete the Diploma in Engineering can receive 80 units of credit for

*You must complete FNEG1005 as your Diploma in Engineering Directed course in order to receive credit for ELEC1310.

#Course will count as elective in the Bachelor of Electrical and Electronic Engineering (Honours).

CRGR1001#	10 unit 1000 level elective
ELEC1310*	Introduction to Electrical Engineering
ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110#	Introduction to Mechanical Engineering Design
PHYS1210	Advanced Physics I

Bachelor of Environmental Engineering (Honours)

Students who successfully complete the Diploma in Engineering can receive 60 units of credit for

#Course will count as an elective in the Bachelor of Environmental Engineering (Honours).

ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110#	Introduction to Mechanical Engineering Design
PHYS1210#	Advanced Physics I

Bachelor of Mechanical Engineering (Honours)

Students who successfully complete the Diploma in Engineering can receive 80 units of credit for

*If you complete FNEG1004 as your Diploma in Engineering Directed course, you will receive credit for CIVL1100. If you complete FNEG1005 as your Diploma in Engineering Directed course, you will receive credit for ELEC1310. You cannot complete both FNEG1004 and FENG1005.

#Course will count as an elective in the Bachelor of Mechanical Engineering (Honours).

CIVL1100*	Fundamentals of Engineering Mechanics
CRGR1001#	10 unit 1000 level elective
ELEC1310*	Introduction to Electrical Engineering
ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110	Introduction to Mechanical Engineering Design
PHYS1210#	Advanced Physics I

Bachelor of Mechatronics Engineering (Honours)

Students who successfully complete the Diploma in Engineering can receive 70 units of credit for

*If you complete FNEG1004 as your Diploma in Engineering Directed course, you will receive credit for CIVL1100. If you complete FNEG1005 as your Diploma in Engineering Directed course, you will receive credit for ELEC1310. You cannot complete both FNEG1004 and FENG1005.

#Course will count as an elective in the Bachelor of Mechatronics Engineering (Honours).

CIVL1100*	Fundamentals of Engineering Mechanics
CRGR1001#	10 unit 1000 level elective
ELEC1310*	Introduction to Electrical Engineering
ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110	Introduction to Mechanical Engineering Design

Bachelor of Medical Engineering (Honours)

Students who successfully complete the Diploma in Engineering can receive 60 units of credit for

*You must complete FNEG1005 as your Diploma in Engineering Directed course in order to receive credit for ELEC1310.

#Course will count as an elective in the Bachelor of Medical Engineering (Honours).

Medical Devices Major

ELEC1310*	Introduction to Electrical Engineering
ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
PHYS1210	Advanced Physics I

Medical Biomechanics Major

ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110	Introduction to Mechanical Engineering Design
PHYS1210	Advanced Physics I

Bachelor of Renewable Energy Engineering (Honours)

Students who successfully complete the Diploma in Engineering can receive 80 units of credit for

*You must complete FNEG1005 as your Diploma in Engineering Directed course in order to receive credit for ELEC1310.

#Course will count as an elective in the Bachelor of Renewable Energy Engineering (Honours).

CRGR1001#	10 unit 1000 level elective
ELEC1310*	Introduction to Electrical Engineering
ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110#	Introduction to Mechanical Engineering Design
PHYS1210	Advanced Physics I

Bachelor of Software Engineering (Honours)

Students who successfully complete the Diploma in Engineering can receive 60 units of credit for

Course will count as an elective in the Bachelor of Software Engineering (Honours).

CRGR1001#	10 unit 1000 level elective
ENGG1003#	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110#	Introduction to Mechanical Engineering Design

Bachelor of Surveying (Honours)

Students who successfully complete the Diploma in Engineering can receive 80 units of credit for

*You must complete FNEG1004 as your Diploma in Engineering Directed course in order to receive credit for CIVL1100.

#Course will count as an elective in the Bachelor of Surveying (Honours).

CRGR1001#	10 unit 1000 level elective
CIVL1100*	Fundamentals of Engineering Mechanics
ENGG1003	Introduction to Procedural Programming
ENGG1500	Introduction to Professional Engineering
MATH1002#	Foundational Studies in Mathematics
MATH1110	Mathematics for Engineering, Science and Technology 1
MECH1110#	Introduction to Mechanical Engineering Design
PHYS1205	Fundamentals of Engineering Physics

Questions?

Please contact the Pathways and Academic Support Office

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