Diploma of Construction Management

Course Outline (T1, 2024)

Campus	Geelong Waterfront Campus
Intake	March, June, October
CRICOS	097892A
Course Duration	The duration of the Diploma course is three trimesters (12 months). There is an option, however, to do the course and complete it in two trimesters (8 months).
Modes of Delivery	On campus (International and Domestic Students): Instruction for all units is classroom and/or computer lab, site visits, workshop based. Generally, four hours of class contact time are allocated to each unit per week Online (Domestic Students only): Weekly self-directed study, plus one to two hours of scheduled contact per week administered online (via Zoom/Microsoft Teams). Note: Online Study Mode is only available to students that started the Diploma of Construction Management prior to trimester 1 2024. Students that commence their studies in trimester 1 2024 or later are required to study in the on-campus mode.
Assessment	Assessment for all units is ongoing and continuous consisting of tests, assignments, reports and case study analysis. Both on campus and online students are expected to complete assessments as per the scheduled due dates provided in each unit outline
Course Structure	8 single credit point units, plus 2 zero credit point units must be completed and passed to be awarded the Diploma. • If you are a domestic student, you can enrol in 1 to 4 units, also known as modules (25%-100% study load) each trimester. If you are seeking Centrelink assistance, you must enrol in 3 or 4 units. • If you are an international student, you must enroll into 3 to 4 units, also known as modules (75%-100% study load) each trimester.
Units (Modules)	SRE170 Construction Finance SRT141 Building Safety SRT153 Building Materials Science SRT159 Construction Projects 1

	SRE270 Building Economics SRM165 Introduction to Building Information Modelling SRT151 Construction and Structures 1 SRT259 Construction Projects 2 SRA010 Safety Induction Program (0 credit points) DAI001 Academic Integrity (0 credit points)
Units with on campus requirements	Some units will have mandatory on campus activities. Refer to the "On Campus Requirements" section of the course plan for more information.
Transfer to Deakin University	The following transfer criteria apply: • You must complete and pass all ten (10) Deakin College Diploma of Construction Management units • You must achieve the required Weighted Average Mark (WAM) for your Deakin College diploma taking into account all units attempted at Deakin College (required WAM's are included under each Deakin University degree on the following page). • The average includes ALL units attempted at Deakin College, but does not include 0 credit point units.

Diploma of Construction Management
Example Course Plans for Students

Example Course Plans for Students

The following is an example course plan for students studying in the Diploma of Construction Management at Deakin College.

The following course plan should be used as a guide only. In some cases, the order of units may be varied. However, choosing course plans that are the same or similar to the suggested plans below should, in most cases, minimise clashes and the time taken to complete your diploma.

How to use the Plans

Students need to select or choose which Deakin Course they wish to transfer into once they have completed their studies at Deakin College. Deakin offers direct transfer into the following course:

- Bachelor of Construction Management (Honours)

Unit Availability – Diploma of Construction Management

Unit	Trimester 1 2024	Trimester 2 2024	Trimester 3 2024
SRE170 Construction Finance (must be passed prior to attempting SRE270)	✓	✓	✓
SRT141 Building Safety	✓	✓	✓
SRT153 Building Materials Science	✓	✓	✓
SRT159 Construction Projects 1	✓	✓	✓
SRE270 Building Economics (SRE170 must be completed first)	✓	✓	✓
SRM165 Introduction to Building Information Modelling	✓	✓	✓
SRT151 Construction and Structures 1	✓	✓	✓
SRT259 Construction Projects 2	✓	✓	✓

0 credit point units

Unit	Trimester 1 2024	Trimester 2 2024	Trimester 3 2024
SRA010 Safety Induction Program	✓	✓	✓
DAI001 Academic Integrity	✓	✓	✓

Diploma of Construction Management trimester structure:

When I transfer to Deakin I want to study Bachelor of Construction Management (Honours) (WF)

International Students WAM: **WF** 50 Australian Students WAM: **WF** 50 Credits for Transfer: 8

Entry to Deakin T1 T2

Fast Track (Completing In 8 months/2 trimesters)						
1st Trimester	**SRE170** Construction Finance (must be passed prior to attempting SRE270)	**SRT141** Building Safety	**SRT153** Building Material Science	**SRT159** Construction Projects 1	**SRA010** Safety Induction Program (On-line, 0 credit point)	**DAI001** Academic Integrity (On-line, 0 credit point)
2nd Trimester	**SRE270** Building Economics (SRE170 must be completed first)	**SRM165** Introduction to Building Information Modelling	**SRT151** Construction and Structures 1	**SRT259** Construction Projects 2		

Entry to Deakin T1 T2

Normal Track (Completing course in 12 months/ 3 Trimesters)					
1st Trimester	**SRT153** Building Materials Science	**SRT141** Building Safety	**SRT159** Construction Projects 1	**SRA010** Safety Induction Program (On-line, 0 credit point)	**DAI001** Academic Integrity (On-line, 0 credit point)
2nd Trimester	**SRE170** Construction Finance (must be passed prior to attempting SRE270)	**SRT151** Construction and Structures 1	**SRT259** Construction Projects 2		
3rd Trimester	**SRM165** Introduction to Building Information Modelling	**SRE270** Building Economics (SRE170 must be completed first)			

Important information:

- Students will be required to attend the COMPULSORY Worksafe Construction Industry training day to obtain an accredited Worksafe White Card. The cost will be approximately $150. Details of this compulsory course will be outlined in units SRT141
- Students will be required to purchase PPE (personal protective equipment) before attending a worksite visit - white safety helmet, a yellow vest and leather closed-toe shoes

On Campus Requirements:

The following units have mandatory on campus requirements

- SRT159 – All students regardless of study mode will be required to attend a scheduled weekly workshop for 4 weeks towards the end of the trimester. *
- SRT141 – All students regardless of study mode will be required to attend a worksite visit. This will likely be in the Geelong area. *

If you have any questions regarding these units, please reach out to your Academic Coordinator

*Requirements are subject to change

Deakin University Campus and Trimester codes

WF Geelong Waterfront Campus
T1 Trimester 1 entry **T2** Trimester 2 entry

CRICOS codes: Bachelor of Construction Management (Honours) CRICOS code 080117B

Unit Outlines:

PLEASE ENSURE YOU CHECK THE UNIT OUTLINE FOR ANY CONTENT AND ASSESSMENT UPDATES.

SRE170 Construction Finance

In SRE170, students will learn fundamental accounting principles and practices to financial transactions on building works and in construction companies. Students will identify how accounting is one of a number of systems which provide information to managers in the construction industry. Learning and assessment activities will focus on understanding financial statements, elementary financial analysis and cash management, taxation considerations including capital allowances, capital budgeting techniques and the obligations and cost of employing staff.

Assessment: Economic Research Report 10%, Online Quiz 5%, Company Financial Report (Group) 20%, Financial Management Report 25%, Final Individual Report (Individual) 40%,

SRT141 Building Safety

SRT141 provides the foundations for developing and maintaining a safety culture on building sites and other workplaces, and examines WorkCover requirements in accordance with the OH&S regulations and compliance codes following the Act of 2004, and occupational health and safety procedures and controls. Students will learn about fire safety and life safety principles, including basic first aid. Students will also learn about site safety and supervision of onsite operatives specifically with respect to site induction requirements and compliance requirements.

Assessment: Individual Hard report 10%, Individual report on construction safety 25%, individual online quiz 25% and individual report on hazard analysis 40%.

To be eligible to obtain a pass in this unit, students must attain the OH&S Construction Induction card (White Card) in this unit.

SRT153 Building for Materials Science

SRT153 introduces students to the properties of materials used in a wide range of building applications. In this unit, students will learn about the chemical and physical properties and the procedures for selection of appropriate materials and their uses in buildings. Learning and assessment activities include the study of materials such as timber, concrete, metals, stone and ceramics, plastics and glass and the environmental significance of materials. Students will examine these material within the framework of sustainability and embodied energy.

Assessment: Online Quiz 10%, Building Material Report 20%, Material Comparison Report 30%, Building Material Project 40%.

To be eligible to obtain a pass in this unit students must achieve at least 40% in the Building Material Project.

SRT159 Construction Projects 1

SRT159 focuses on residential construction in terms of technical and regulatory requirements for design and construction. In this unit, students will gain an understanding of how Australian standards, National Construction Code (NCC) and other regulatory requirements are used in analysing construction drawings. They will gain practice in preparing and using construction drawings and documentation.

A***ssessment: In class Activity 5%, Group Report 15%, Individual Report 50%, Group Portfolio 30%.***

SRE270 Building Economics

This unit explores macro and micro economic concepts as they apply to the construction and property industries. Topics include the behaviour of the Australian economy, macro-economic theories, tools and policies available to influence the performance of the economy, supply prices and output decision-making and structure, market fluctuations, price mechanisms, concept of cost, profit maximising, market structures, government intervention and regulation, consumer behaviour and labour markets. Urban economics, including land as a factor of production, land rent, land use problems, location decisions, urban growth, transportation and public intervention are also discussed. An introduction to business planning is undertaken.

Assessment: Group Research Report 30%, Individual Report 1 30%, Individual Report 2 40%.

To be eligible to obtain a pass in this unit students must achieve at least 40% in the Individual Report 2.

SRM165 introduction to Building Information Modelling

Effective management of information is central to the success of construction projects. In SRM165, students will have the opportunity to gain knowledge of the concepts as well as hands-on experience with related information management systems and methodologies. The unit focuses on major aspects associated with adoption and implementation of information management systems for data creation, visualisation, usage and sharing on construction projects. Students will also be introduced to leading Building Information Modelling (BIM) packages.

Assessment: Building Information Modelling (BIM) Justification Report 20%, BIM Model Development 30%, Group BIM Report (including Presentation) 50%.

SRT151 Construction and Structures 1

SRT151 introduces students to construction processes and structural systems. Students will learn about the building elements that comprise a simple residential building, such as footings, flooring, walls, roofs, and internal fit-out. Students will also learn about different structural systems in use, such as brick veneer, trusses and waffle slabs. Students will consider the engineering requirements that bear on house construction, such as loads, forces, fixing techniques, and material properties. Finally, students will be introduced to domestic building processes, such as site preparation, temporary structures, scheduling, safety, management, fabrication, equipment, permits and codes.

Assessment: Individual On-line Quizzes 10%, Individual Technology Portfolio 10%, Group Case Study Analysis Report and Presentation 40%, Individual Structural report 40%.

To be eligible to obtain a pass in this unit students must achieve at least 40% in the Individual Structural report.

SRT259 Construction Projects 2

In SRT259 students will gain a detailed understanding of the regulatory environment of the Australian construction industry, National Construction Code (NCC) and associated standards for the construction of a range of low-rise buildings. Students will develop knowledge and skills in identifying, analysing and applying technical codes and materials standards in construction of low-rise residential and commercial buildings.

Assessment: Individual Regulatory Assignment 5%, Individual Report (Regulatory Compliance) 15%, Individual Report (Project Control) 30%, Regulatory Report and Presentation (Group)50%.

SRA010 Safety Induction Program

SRA010 is designed for students to learn how to develop and maintain a safety culture within the University, including within the A+B Studio. In this unit, students will examine occupational health and safety procedures, controls and requirements for visits to building sites and other workplaces during their course of study at Deakin. Students will learn about fire safety and life safety principles and operatives, including site safety procedures in built environment. Students will also develop an awareness of building evacuation procedures, laboratory accident management and first aid procedures and safety work procedures particular to the A+B Studio.

Assessment: Multiple-choice test 100%.

To be eligible to obtain a pass in this unit students must achieve a minimum mark of 70% in the test and complete the seminar practical session.

DAI001 Academic Integrity

DAI001 is a compulsory zero credit point unit in all courses in the Faculty of Science, Engineering and Built Environment. The unit learning and assessment activities provides students with guidance on what constitutes academic integrity. It will allow students to develop knowledge, skills and good practice principles to avoid plagiarism and collusion and thereby maintain academic integrity.

Assessment: Multiple-choice test 100%. To be eligible to obtain a pass in this unit, students must achieve a minimum mark of 85%. Unlimited attempts of the online assessment are permitted.