FACULTY OF CIVIL CONSTRUCTION DESIGN

NATIONAL CODE: RII50520

DIPLOMA OF CIVIL CONSTRUCTION DESIGN

Step into a career in civil construction design, where you'll develop practical skills to contribute to civil infrastructure projects, work effectively in teams, and apply safe, professional, and ethical practices.

First qualification in the Civil Construction Design Package. Successful completion of this Diploma is required before progressing to the Advanced Diploma.

CAMPUSES

BRISBANE CAMPUS (ADELAIDE STREET 1)

OVERVIEW

INTAKES
Monthly

DURATION
52 weeks

INDUSTRY PLACEMENT

INTERNATIONAL STUDENTS
No

CRICOS CODE:

CONTACT HOURS
16
10

Blended Learning

DIPLOMA OF CIVIL CONSTRUCTION DESIGN

The Diploma of Civil Construction Design (RII50220) at Rhodes Business School equips students with the knowledge and skills to support civil construction projects effectively. You will learn to plan and manage work, create and interpret design documentation, and apply professional, safe, and ethical practices in civil construction environments.

Delivered through a blended learning approach, the course includes online lectures, workshops, seminars, site visits, and structured self-reflection tasks. Students also participate in Engagement with Professional Practice (EPP), gaining industry-relevant experience in real-world contexts that link directly to program outcomes and Engineers Australia Stage 1 competencies.

Graduates are prepared to support civil construction projects, contribute effectively in teams, and apply civil construction knowledge and professional standards. When the Diploma is completed alongside the Advanced Diploma of Civil Construction Design, graduates are also equipped to support complex civil construction projects, work in multidisciplinary teams, apply Engineering Associate practice, WHS, environmental and sustainability requirements, and undertake roles such as Civil Engineering Draftsperson, Civil Construction Designer, or Civil Engineering Technician.

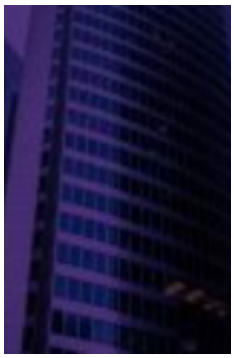
First qualification in the Civil Construction Design Package. Successful completion of this Diploma is required before progressing to the Advanced Diploma.

What You'll Learn

- Perform calculations for forces, stresses, and engineering problems.
- Produce and manage 2D and 3D CAD drawings and BIM models.
- Capture, validate, and interpret spatial and technical data.
- Design and document civil structures, drainage systems, foundations, roadworks, and traffic solutions.
- Plan, monitor, and manage work, including procurement, innovation projects, and professional responsibilities.

Career Outcomes

CIVIL CONSTRUCTION DESIGNER



Nathaniel
From our trainer Rudy to the fantastic online resources, super engaging lectures and the outstanding guest speakers – plus the 24/7 student support – there's literally no better place to study. It's incredible.

INTAKE DATES

TBA - Expressions of Interest

TUITION FEES (**FEE LABEL TEST**)

Course Name	Course Duration	Fee Label Test	Campus Availability	Intakes

Diploma of Civil Construction Design	52 weeks	$0	BNE	Monthly

ENTRY REQUIREMENTS

AGE	GRADE	IELTS
18	Australian Year 12 or equivalent	

- **AGE**
  Minimum age of 18 years or turning 18 years old prior to commencement of the course
- **EDUCATION & EXPERIENCE REQUIREMENTS**
- **ENGLISH LANGUAGE**
- **REQUIRED IDENTIFICATION**
  Photo ID
- **COMPUTER SKILLS & EQUIPMENT**
  Students on this course require a desktop or laptop for learning purposes and to complete course assessments. They must have beginner to intermediate computer skills, including proficiency in Microsoft Office 365 applications such as Word, Excel, PowerPoint and Teams, as well as the ability to use email (e.g., Gmail or Outlook) and navigate the internet to access learning resources and course materials. Students must also have the practical skills necessary for an efficient study environment, including installing, updating, and maintaining web browsers and software, connecting their desktop or laptop and mobile devices to wireless networks, using a webcam and headset/microphone for online classes and collaboration, and utilising cloud storage for files and assessments. These skills are required to enable students to fully participate in online classes via Microsoft Teams, engage with course content, and complete assessments through Rhodes Business School's Learning Management System (aXcelerate). Students must have a suitable desktop or laptop that meets the specifications listed below to support all learning activities and required software. Students MUST have the following equipment prior to enrolling with Rhodes Business School Hardware Requirements: • Desktop or Laptop Specifications: o Processor (CPU): 3.0 GHz or higher, 4+ cores (64-bit) o Memory (RAM): 32 GB o Storage (Disk Space): Minimum 100 GB available space (SSD recommended) o Graphics Card (GPU): 8 GB dedicated GPU o Operating System: Windows 11 (64-bit) with latest updates o Webcam: Built-in or USB webcam o Audio: Suitable input and output for online classes o Headset: For clear audio communication o Internet: Reliable high-speed internet connection Software Requirements: • Microsoft Office 365: Word, Excel, PowerPoint, Outlook, Teams • MS Teams: Downloadable for free Specific Software Requirements: • Spatial Data Management Software: ArcGIS: • Bluebeam • BIM Software: Autodesk Revit 2023 and Navisworks • Collaboration Tools: Autodesk BIM 360 or Procore • Cloud storage solution (e.g., Google Drive, OneDrive, or SharePoint) Other requirements: • Scientific calculator • Compass • Personal Protective Equipment: high visibility vests, hard hats, gloves, boots Note: Free access to AutoCAD will be provided to students

BRISBANE CAMPUS (ADELAIDE STREET 1) COURSE TRAINERS

Peter NG

Peter Ng is a highly qualified Civil Construction Trainer and Chartered Engineer with over 18 years of experience in geotechnical engineering, tunnelling, and large-scale infrastructure projects across Australia and Hong Kong.

With a strong background in project design, excavation, tunnelling, and slope maintenance, Peter has contributed to major projects such as the WestConnex Stage Three B and Western Harbour Tunnel in Sydney, as well as the West Gate Tunnel Project in Melbourne. His work with leading organisations including John Holland and Meinhardt (C&S) Limited reflects his commitment to engineering excellence and innovation.

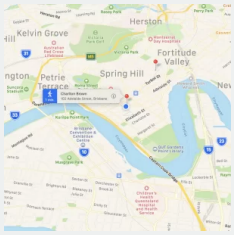
Peter holds a Master of Construction Law from the University of Melbourne, a Master of Science in Applied Geoscience, and a Bachelor of Science (Hons) in Earth Sciences from the University of Hong Kong. He is also a qualified VET educator with a Certificate IV in Training and Assessment and a Certificate IV in Work Health and Safety.

As part of the Rhodes Business School, Peter is dedicated to developing the next generation of civil construction professionals. His teaching philosophy emphasises hands-on learning, critical thinking, and real-world application. He believes in guiding students to “dig deep” — fostering perseverance, problem-solving, and professional confidence in every learning journey.

BRISBANE CAMPUS (ADELAIDE STREET 1) & FACILITIES

YOUR CAMPUS

Overlooking King George Square in the heart of Brisbane’s CBD, NIET Group Brisbane Centre features 10 tutorial rooms, two lecture theatres, library and digital media lab, alongside modern computer lab & large open recreation & study spaces. The campus is just metres from major bus and train terminals, extensive retail & accommodation options.



Level 4, 102 Adelaide Street, Brisbane, 4000

SESSION LOCATIONS

BRISBANE ROOM 1

BNE CTR

LARGE SMART TV | WHITE BOARD | SEATING

NIET Group Brisbane – Classroom 1
Step into Classroom 1, the heart of our civil construction program, where ambition meets inspiration and learning becomes an experience.

This contemporary space features comfortable seating, a large smart TV for interactive presentations, and a whiteboard that brings ideas to life — creating an engaging environment that encourages collaboration, creativity, and critical thinking.

Bright, spacious, and welcoming, Classroom 1 is where students from around the world come together to share perspectives, challenge ideas, and grow into future global leaders.

It's more than a classroom — it's where potential turns into purpose.

VIEW IN MAP