FACULTY OF CONSTRUCTION

NATIONAL CODE: RII50520

DIPLOMA OF CIVIL CONSTRUCTION DESIGN

Step into a rewarding career as a Civil Construction Designer, where you'll master design techniques, project management, and site-specific planning to lead innovative infrastructure projects and thrive in the dynamic civil construction industry.

CAMPUSES

ONLINE DELIVERY

OVERVIEW

INTAKES
Monthly

DURATION
52 weeks

INDUSTRY PLACEMENT

INTERNATIONAL STUDENTS
Yes

CRICOS CODE:

CONTACT HOURS
0

16

DIPLOMA OF CIVIL CONSTRUCTION DESIGN

The RII50520 Diploma of Civil Construction Design equips you with essential technical, design, and project management skills to thrive in the civil construction industry. Combining online learning, workshops, seminars, site visits, and simulated workplace projects, this blended learning approach ensures you gain both theoretical knowledge and hands-on experience, preparing you to become a skilled Civil Construction Designer. You'll develop expertise in creating site-specific designs, applying advanced CAD software, and delivering practical infrastructure solutions. The course covers key areas such as engineering mechanics, design principles, and project coordination, equipping you to support engineers and lead design processes across diverse projects like road design, drainage, and civil structures. With the guidance of qualified trainers, you will apply your knowledge in real-world contexts, preparing you to contribute to large-scale infrastructure projects and make a meaningful impact in the evolving civil construction field.
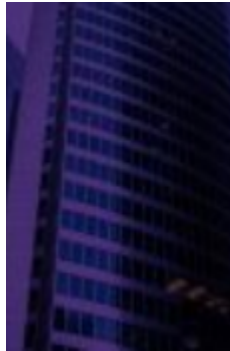
What You'll Learn

- Mathematical problem-solving skills
- Engineering mechanics and stress analysis
- CAD design and 3D modelling
- Spatial data capture and interpretation Civil structure design (foundations, roads, drainage)
- Professional ethics and development
- Information management systems
- Project procurement and continuous improvement

Career Outcomes

CIVIL CONSTRUCTION DESIGNER

COURSE BRIEF

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 ()

Course Name	Course Duration		Campus Availability	Intakes
Diploma of Civil Construction Design	52 weeks	$0		Monthly

ENTRY REQUIREMENTS

AGE	GRADE	IELTS
18	**Australian Year 12 equivalent**	**None**

■ **AGE**
Minimum age of 18 years or turning 18 years old prior to commencement of the course

■ **EDUCATION & EXPERIENCE REQUIREMENTS**

■ **ENGLISH LANGUAGE**
There is no english language requirement for this course.

■ **REQUIRED IDENTIFICATION**
Photo ID and evidence of citizenship

■ **COMPUTER SKILLS & EQUIPMENT**

Student Equipment and Computer Skills Required Students on this course require computer access for learning purposes and to complete course assessments. As such, students must have beginner/intermediate computer skills in programmes such as Microsoft Word, Excel, PowerPoint and Outlook, and know how to use the internet to access information. Standard intermediate knowledge of Microsoft Office 365 is desirable. Additionally, students are encouraged to develop basic skills for an efficient study environment, including the ability to install, update and maintain internet browsers and software (e.g., security updates), connect laptops and mobile devices to wireless networks (e.g., campus, library), use a webcam and headset/microphone and utilise cloud storage (e.g., OneDrive). Students MUST have the following equipment prior to enrolling with Rhodes Business School Hardware Requirements: • Desktop or Laptop Specifications: o Processor: 2.5–2.9 GHz o Memory: 8 GB o Display Card: 1 GB GPU o Disk Space: 100 GB o Operating System: o Microsoft® Windows® 8.1 or Windows 10 version 1809 or above o Apple® macOS® Monterey v12, Big Sur v11, or Catalina v10.15 • Additional Hardware: o Webcam: Built-in or USB webcam o Audio: Suitable input and output for online classes o Headset: For clear audio communication Software Requirements: • Web Browser: Microsoft Edge, Firefox, Google Chrome, or Safari • Microsoft Office 365: Word, Excel, PowerPoint, Outlook, Teams • MS Teams: Downloadable for free • CAD Software: Access to the College's CAD system (if applicable) • Spatial Data Management Software: Arcgis As required • ArcGIS: o Processor: Minimum 2 cores, recommended 4+ cores o Memory: Minimum 8 GB, recommended 16 GB o Display Card: Minimum 1 GB GPU, recommended 4 GB GPU o Disk Space: Minimum 32 GB, recommended 64 GB or more o Operating System: Windows 10 or 11 (64-bit) with the latest updates Internet Requirements: • Reliable Internet Connection: Essential for using software like AutoCAD, OneNote, and Bluebeam for comment review processes. Specific Software Requirements: • AutoCAD: o Processor: 2.5–2.9 GHz (recommended 3+ GHz) o Memory: 8 GB (recommended 32 GB) o Display Card: 2 GB GPU (recommended 8 GB GPU) o Disk Space: 10 GB (suggested SSD) o Operating System: Windows 10 version 1809 or above, macOS Big Sur or above OneNote: • Compatible with all supported versions of Windows and macOS Bluebeam: • Processor: 1 GHz (recommended Intel i5 Dual Core or better) • Memory: 8 GB • Display: 1024 x 768 resolution • Disk Space: 5 GB

ONLINE DELIVERY COURSE TRAINERS

ONLINE DELIVERY & FACILITIES

YOUR CAMPUS

SESSION LOCATIONS