

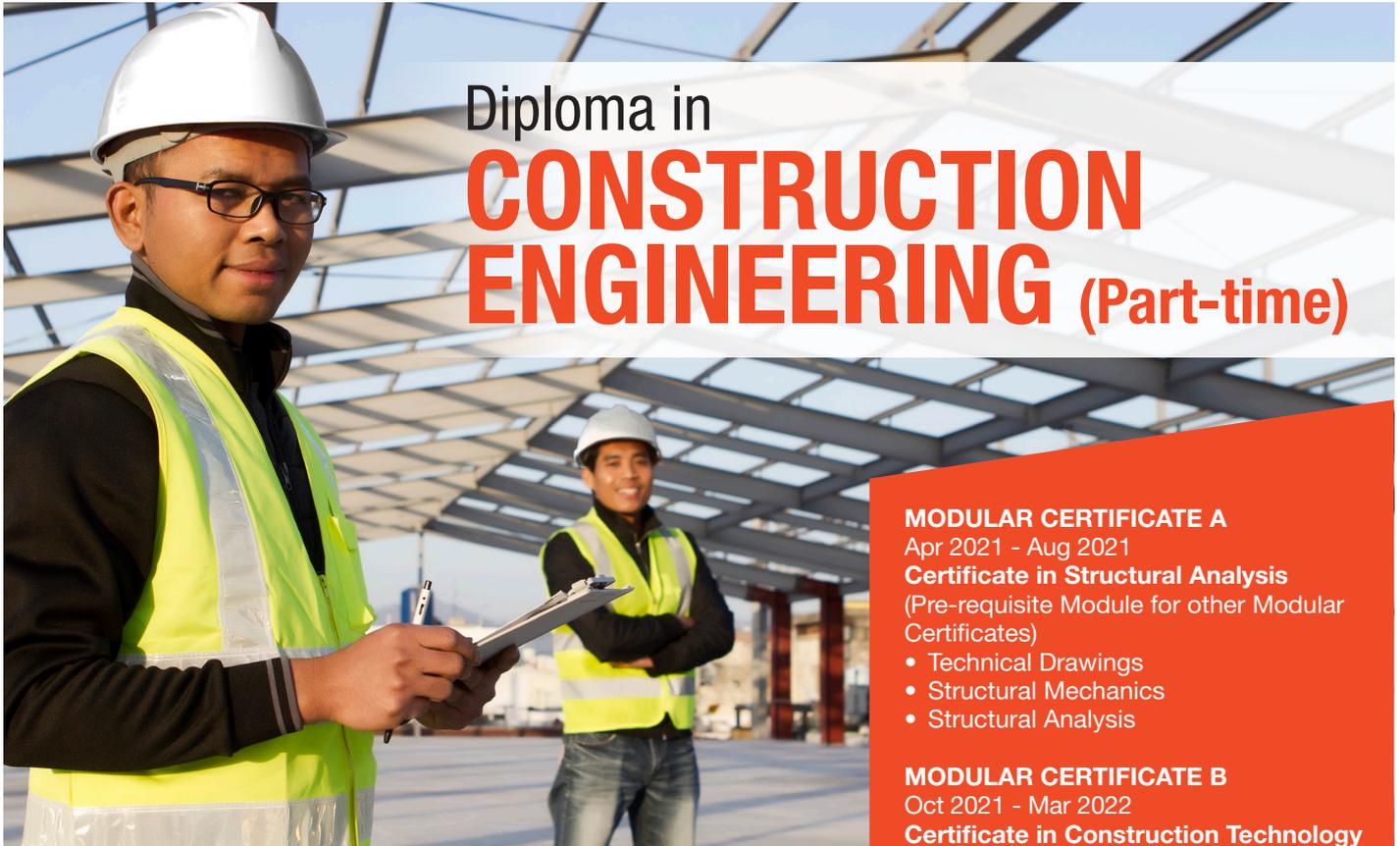


## STACKABLE MODULAR CERTIFICATES

You will have the flexibility to take the modular certificates at your own pace\* in any order starting from Modular Certificate A. The certificates can be stacked up towards the Diploma.

\*maximum of 5 years to accumulate the certificates for an academic qualification

NEW



# Diploma in CONSTRUCTION ENGINEERING (Part-time)

Construction landscape is revolutionising to embrace the global trend of digitalisation. Increasingly, projects are using advanced technology, software applications and new method of construction to improve quality, safety and construction productivity. There is a strong demand for competent professionals to play the key role of managing and supervising these projects.

Whether you are currently in the Built Environment (BE) sector seeking to upgrade your knowledge and progress in your career, or someone who aspire to start a new career in the BE sector, this programme will provide you with the technical knowledge and practical skills to assist in the design works and supervise construction project works in the knowledge based economy.

\*Graduates of the Diploma in Construction Engineering is eligible to register as a Resident Technical Officer (RTO) under the Building Control Act. (Refer to Award of Certificate)

### MODULAR CERTIFICATE A

Apr 2021 - Aug 2021

#### Certificate in Structural Analysis

(Pre-requisite Module for other Modular Certificates)

- Technical Drawings
- Structural Mechanics
- Structural Analysis

### MODULAR CERTIFICATE B

Oct 2021 - Mar 2022

#### Certificate in Construction Technology

- BIM for Structure
- BIM for Architecture
- Construction Technology
- Management Systems for Construction
- Project Management

### MODULAR CERTIFICATE C

Oct 2021 - Mar 2022

#### Certificate in Site Management

- Reinforced Concrete Construction
- Precast & Prestressed Concrete Design & Construction
- Surveying

### MODULAR CERTIFICATE D

Apr 2021 - Aug 2021

#### Certificate in Reinforced Concrete Design

- Reinforced Concrete Design 1
- Reinforced Concrete Design 2

### MODULAR CERTIFICATE E

Apr 2022 - Aug 2022

#### Certificate in Structural Design

- Steel Design and Construction
- Geotechnical Engineering
- Construction Materials

All participants are given access to the following e-learning modules:

- Mathematics 1
- Mathematics 2
- Management Skills
- Technical Communications

**Duration:** 5 months per modular certificate

**Frequency:** 2 - 4 evenings per week (some lessons may be held on Saturdays)

**Venue:** BCA Braddell Campus

**Fees** (inclusive of GST) :

**S\$15,000** (Full programme fee) / **S\$3,000** (Per modular certificate)

WTU funding will be transited to SSG funding from 1 Apr 2022. Details of SSG's funding can be found in <https://www.enterprisejobskills.gov.sg/content/upgrade-skills/course-fee-and-absentee-payroll-funding.html>

**Assessment:** Continuous Assessment and Examination

*Registration closes 2 weeks prior to modular certificate commencement or when the class is fully subscribed, whichever comes first. Registration can remain open until course commencement date if training spaces are still available.*

## ENTRY REQUIREMENT

- GCE 'O' LEVEL English (Grade 1 - 7);
- GCE 'O' LEVEL Mathematics (Grade 1 - 6);
- a relevant GCE 'O' LEVEL subject (Grade 1 - 7), and at least 3 years of relevant working experience; OR
  - Workplace Literacy and Numeracy Level 6, and at least 3 years of relevant working experience; OR
  - HIGHER NITEC / ITC or GCE 'N' LEVEL and NITEC/NTC 2 with minimum GPA of 2.75 in relevant disciplines, and at least 1 year relevant working experience; OR
  - Any ONE of the following certificates with at least 3 years of relevant working experience:
    - Advanced National Building Qualification (NBQ)
    - National Certificate in Construction Supervision
    - Certificate in Interior Finishing Coordination
    - Certificate in Waterproofing Supervision
    - Certificate in Precast Concrete Construction Supervision
    - Certificate in Building Measurement

Applicants must have their own computers/laptops with minimum specifications to access student portal and e-Learning.

## EXEMPTION

Exemption of attendance will be reviewed on a case-by-case basis.

## WHO SHOULD ATTEND

This Part-time Diploma Programme is suitable for those who have construction experience including Project Supervisors and Assistant Engineers.

## AWARD OF CERTIFICATE

A participant must attain at least 75% of physical attendance and pass all assignments and exams to be awarded each modular certificate.

\*Participants must fulfil the following requirements to be awarded Diploma in Construction Engineering:

- Attained Modular Certificate A to E
- Completed e-learning Modules
- Possess both Certificate in Precast Concrete Construction Supervision and Certificate in Formwork Safety for Supervisors

## FUNDING



**SkillsFuture Study Award** - Up to S\$5,000 is available for self-sponsored Singapore citizens with relevant working experience to develop and deepen their skills in key sectors. Scan QR code or login to <https://programmes.myskillsfuture.sg/Portal/ProgramListing.aspx?Source=SFSA> for more details.



**SkillsFuture Credit** - The credit can be used to pay for the course fee approved by SkillsFuture Singapore (SSG) as listed in the SkillsFuture Credit directory. To utilise the SkillsFuture Credit, applicant will need to indicate in the online registration form. Scan QR code or login to <https://www.skillsfuture.sg/credit> for more details.



**SSG Training Grant** is available for company-sponsored Singaporeans & Singapore PRs who registered for all modular certificates. Scan QR code or login to <https://www.skillsconnect.gov.sg/sop/portal/> for more details.

## WITHDRAWAL

Withdrawal notice must be made in writing to BCA Academy via [bca\\_academy@bca.gov.sg](mailto:bca_academy@bca.gov.sg). The following stated days are pegged to the modular certificate commencement date:

- 14 days or more, 10% cancellation fee
- Less than 14 days but more than 3 working days, 25% cancellation fee
- 3 working days or less, 100% cancellation fee

Please note that applicants are required to top-up the short-fall in funding amount if nett fee is paid upfront.

## REGISTRATION



Visit BCA Academy Online StoreFront (OSF) @ <https://eservices.bcaa.edu.sg/registration/#/login>

[bcaa.edu.sg/registration/#/login](https://eservices.bcaa.edu.sg/registration/#/login)

### Course codes:

Full Programme: 77026  
 Modular Cert A: 77026A  
 Modular Cert B: 77026B  
 Modular Cert C: 77026C  
 Modular Cert D: 77026D  
 Modular Cert E: 77026E