

**STACKABLE MODULAR CERTIFICATES**

You will have the flexibility to take the modular certificates in any order and at your own pace*. The certificates can be stacked up towards the Diploma.

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



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)

Duration: Modular Certificate A - 156 hours
Modular Certificate B - 171 hours
Modular Certificate C - 171 hours
Modular Certificate D - 151 hours
Modular Certificate E - 171 hours

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

Venue: BCA Braddell Campus and Online Learning

Fee (inclusive of GST): S\$15,000 (Full programme fee)
S\$3,000 (Per modular certificate)

**Refer to next page for SSG funding details*

Assessment: Continuous Assessment and Examination

Registration closes 2 weeks prior to course commencement, or when the class is fully subscribed, whichever is earlier. Late registration may be consider on case by case basis.

MODULAR CERTIFICATE A

Apr 2023 to Sep 2023

Certificate in Structural Analysis

(Classroom + Synchronous E-Learning)

- Technical Drawings
- Structural Mechanics
- Structural Analysis

MODULAR CERTIFICATE B

Oct 2023 - Mar 2024

Certificate in Construction Technology

(Classroom + Synchronous E-Learning)

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

MODULAR CERTIFICATE C

Apr 2023 - Sep 2023

Certificate in Site Management

(Classroom + Synchronous E-Learning)

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

MODULAR CERTIFICATE D

Oct 2023 - Mar 2024

Certificate in Reinforced Concrete Design

(Classroom + Synchronous E-Learning)

- Reinforced Concrete Design 1
- Reinforced Concrete Design 2

MODULAR CERTIFICATE E

Apr 2024 - Oct 2024

Certificate in Structural Design

(Classroom + Synchronous E-Learning)

- Steel Design and Construction
- Geotechnical Engineering
- Construction Materials

Applicants are advised to start with either Modular Certificate A or B. All participants are given access to the following e-learning modules:

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

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 (Adv 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:

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

REGISTRATION

Visit BCA Academy Online StoreFront (OSF) @

WITHDRAWAL

Withdrawal notice must be made in writing to BCA Academy via 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

<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



SSG FUNDING^ DETAILS

| Modular Certificate Title | Full Course Fee | Singaporeans, Singapore PRs and non SME company sponsored participants. Fee payable after 50% funding support. | Singaporeans 40 years old and above OR SME company sponsored Singaporeans or Singapore PRs. Fee payable after 70% funding support. |
|--|-----------------|---|---|
| Certificate in Structural Analysis Classroom + Synchronous E-Learning (TGS-2022012533) | S\$3,000 | \$1,598.13 | \$1,037.38 |
| Certificate in Construction Technology Classroom + Synchronous E-Learning (TGS-2022012757) | S\$3,000 | \$1,598.13 | \$1,037.38 |
| Certificate in Site Management Classroom + Synchronous E-Learning (TGS-2022012754) | S\$3,000 | \$1,598.13 | \$1,037.38 |
| Certificate in Reinforced Concrete Design Classroom + Synchronous E-Learning (TGS-2022013163) | S\$3,000 | \$1,598.13 | \$1,037.38 |
| Certificate in Structural Design Classroom + Synchronous E-Learning (TGS-2022012532) | S\$3,000 | \$1,598.13 | \$1,037.38 |

^ The fees are inclusive of GST and are subject to change.

Participant must achieve at least 75% attendance and pass all assessments. BCA Academy reserves the right to recover the funded amount from the participant (self-sponsored) or employer (company sponsored) if participant did not meet the eligibility criteria. Details of SSG's funding can be found in <https://www.enterprisejobskills.gov.sg/content/upgrade-skills/course-fee-and-absentee-payroll-funding.html>