

**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 Specialist Diploma.

*maximum of 3 years to accumulate the certificates for an academic qualification

NEW

Specialist Diploma in **BUILDING COST MANAGEMENT (SDBCM)**



The design and construction of building projects is a highly complex and demanding process, especially with the increased sophistication of the various disciplines involved, such as architecture, surveying, construction and engineering. Delivering a project of such complexity within the right budget, quality and time-scale is critical in meeting client's expectations. Building cost management provides owners, developers, architects and contractors the highest degree of cost predictability over the life cycle of a building with the use of cost modelling and management techniques.

The Specialist Diploma in Building Cost Management (SDBCM) prepares you to manage construction cost planning and control right from project inception to the maintenance phase of a building. It provides you an opportunity to gain industry-specific skills and experience in cost estimates and analysis, budget forecasts, facilities planning, conceptual studies and bid comparisons for the design and construction of property.

The curriculum also covers capital and operating cost assessment skills and project control decisions. Upon graduation, you can find career opportunities as quantity surveyors or cost managers in Singapore's booming construction industry.

Duration: 3 months per modular certificate

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

Venue: BCA Braddell Campus

Fee (incl of GST) : S\$2,000 (per modular certificate)

SSG Training Grant of S\$130 per modular certificate for company-sponsored Singaporeans & Singapore PRs. Apply as early as 30 days before each modular certificate start date and closes 30 days after modular certificate start date. 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 and Project Based

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.

Certificate in Building Cost Management (Project Management)

MODULAR CERTIFICATE A: Jan – Mar
Building Technology and Services

- Architectural and Structural
- Mechanical & Plumbing systems
- Electrical systems

Project & Risk Management

- Project management
- Project budgeting
- Economic feasibility study
- Risk and value management
- Qualitative and quantitative methods for RM
- Principles of risk modelling

Life Cycle Costing and Value Engineering

- Life Cycle Costing (LCC)
- Tools and techniques in LCC
- Application of LCC
- Value Engineering

Certificate in Building Cost Management (Cost Control Management)

MODULAR CERTIFICATE B: May – Jul
Building Measurement

- Reinforced concrete structural works and steel works
- Masonry and finishing works
- Building services
- External works

Cost Estimating

- Cost data and cost indices
- Pre-tender price/preliminaries
- Estimates for structural works/steel works/architecture

Cost Control Techniques

- Budgets and budgetary control
- Project capital finance and expenditure forecasting
- Cost analysis and cost planning

Certificate in Contract Administration

MODULAR CERTIFICATE C: Sep – Nov
Contract Admin & Procurement Principles

- Pre-construction planning
- Project monitoring, problem solving and post-construction activities
- Interim progress claims/payment
- Variation orders and claims
- Procurement practices
- JIT concepts
- Value techniques
- Analytical methods for purchasing

Building Law

- Building Control act
- Building Maintenance and Strata Management act
- Security of Payment act
- Contract law

Introduction to BIM for QS

ENTRY REQUIREMENT

The applicant must be a Singapore Citizen or Permanent Resident or holder of valid employment pass/ work permit; and possess one of the following qualifications:

- A diploma (min course duration of 2 years) or equivalent qualification
- A relevant Advanced Certificate / Higher NITEC / Advanced NBQ with 2 to 3 years of relevant work experience
- A relevant certificate with 4 to 5 years of relevant work experience
- NITEC / Higher NBQ with at least 5 years of relevant work experience

Note: Applicants with relevant working experience but do not fulfil the above requirements will be reviewed on a case-by-case basis.

Applicants must have their own computers/laptops with minimum specifications to run BIM software (recommended 16GB RAM minimum) and access student portal.

Applicants with degree or diploma qualification where English is not the medium of instruction is required to take an English Screening Test (EST) at a fee of S\$23.00 (incl.GST) conducted by the BCA Academy. Alternatively, applicant may choose to achieve the ESS Workplace Literacy Test Level 6 issued by SkillsFuture Singapore (SSG).

WHO SHOULD ATTEND

This Specialist Diploma Programme is designed for construction personnel who aspire to be Quantity Surveyor or Cost Manager. It is also suitable for professionals working in property and facility management who wish to enhance their knowledge of building cost management.

AWARD OF CERTIFICATE

A participant must attain at least 75% of physical attendance and complete all assignments to acceptable standards to be eligible to be awarded each modular certificate. Participant who did not complete the assignments to acceptable standards but attained at least 75% of physical attendance will be issued with a certificate of attendance. The successful achievement of all modular certificates will lead to the awarding of the **Specialist Diploma in Building Cost Management (SDBCM)**.

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.

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>

Course codes :

- Modular Certificate A: 74051A
- Modular Certificate B: 75051B
- Modular Certificate C: 74051C