

# Diploma (Conversion) in SUSTAINABLE DESIGN (BUILT ENVIRONMENT)

## SUPPORTING LOCALS THROUGH UPSKILLING & RESKILLING!

The SGUnited Skills (SGUS) Programme is designed for professionals who have been affected by the economic impact of COVID-19. This full-time 6-month training programme aims to prepare unemployed Singaporeans/PRs for improved employability in the evolving built environment sector.



### UNIQUE CURRICULUM

The built environment is continually evolving to meet current and future challenges, such as climate change. To meet those challenges, architects and designers aren't looking at buildings from just an architectural viewpoint, but those from a digitalisation and sustainable one as well.

In this programme, learners will undertake various topics to understand the impacts of buildings on the environment, as well as to understand and apply green building principles and methodology, coupled with digital tools, in order to support the national green agenda.

In addition, learners will also have the opportunity to undertake the certification course for Green Mark Accredited Professional.



### BE PART OF THE GREEN AGENDA

This programme will expose learners to topics related to sustainable buildings and Singapore's national agenda on sustainability.

As a green advocate, you will be able to contribute to the greening of the environment and be part of the green movement.



### HIGHLY SUBSIDISED COURSE FEE

The course fee (after subsidy) will be S\$500. SkillsFuture Credit can be used to offset the course fee.



### MONTHLY TRAINING ALLOWANCE

Learners will receive a training allowance of \$1,200 per month during the programme.



### JOB OPPORTUNITIES

Upon completion, learners are equipped to pursue the role of Architectural Assistant defined in the Skills Framework for Built Environment. Other career options include BIM Modeller, BIM Co-ordinator and Assistant BIM Manager.



### MODULAR FORMAT

The programme will be conducted on a full-time basis over 6 months in two modules.

# MODULES OUTLINE AND SYNOPSIS



## MODULE 1 - Fundamentals in Sustainable Design (Built Environment)

This module equips learners with a strong foundation for a career in the Built Environment (BE) sector, as well as emerging skills such as passive design strategies and Building Information Modelling (BIM) which are core skillsets needed to shape a sustainable and digital built environment.

### CONTENT OVERVIEW

- BIM for Architecture
- Building Façade & Performance
- Building Services & Building Technology
- Development Control Requirements
- Introduction to Built Environment
- Sustainable Building Design Strategies
- Technical Drawings & Building Plans

## MODULE 2 - Applications in Sustainable Design (Built Environment)

This module covers modelling and simulation techniques to support sustainable architecture design. In addition, learners will attend the Certification Course for Green Mark Accredited Professional (GMAP), which is the training requirement to be recognised as an GMAP.



### CONTENT OVERVIEW

- Advanced BIM for Architecture
- Building Plan Requirements
- Design Visualization
- Passive Design Simulations
- \*Certification Course in Green Mark Accredited Professional (GMAP)

\*Participants will join the public run of the Green Mark Accredited Professional course.



### REGISTRATION

To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/Login> or scan QRcode and search for course code 79025

### DATE

**Module 1** - 25 Oct 2021 to Jan 2022  
(3 months)

**Module 2** - Feb 2022 to Apr 2022  
(3 months)

Classes are conducted during the day on full time basis.

### COURSE FEE (incl of GST)

S\$500 (after subsidy)

SkillsFuture Credit can be used to offset the course fee. Training allowance of \$1200 per month (during the training duration) will be provided by Skills Future Singapore (SSG). Terms and Conditions apply.

### DELIVERY MODE

Blended learning comprising face-to-face and home-based-learning

### ASSESSMENT

Continuous Assessment

### ELIGIBILITY & REQUIREMENT

- Singapore Citizen or Permanent Resident aged 21 and above; and
- Not in employment; and
- Possess minimum diploma qualification; and
- Must be able to commit to study on a full-time basis

**Note:** This programme is **NOT** eligible for:  
- Fresh graduates from any educational institution in calendar year of 2019-2021, and  
- Individuals who have completed/are completing the National Service in calendar year of 2019-2021

### TARGET AUDIENCE

For job seekers or individuals keen to upskill knowledge in the built environment.

### AWARD OF CERTIFICATE

Individuals who have successfully completed the module (meeting minimum 75% attendance and passing each course) will be awarded e-Certificate of Successful Completion for the module. Individuals who have successfully completed both modules will be issued a Diploma (Conversion) in Sustainable Design (Built Environment).