

ARCHITECTURAL TECHNOLOGY & BUILDING SERVICES

Temasek Polytechnic School of Engineering

A building's design can play a part in combating climate change. So can you!

ARCHITECTURAL **TECHNOLOGY & BUILDING SERVICES**



Course Overview

strategies that minimize energy consumption and reduce carbon footprints.

- Built upon the strong foundation of our predecessor courses, the Diploma in Intelligent Building Technology (since 1995), and then subsequently revamped as the Diploma in Green Building & Sustainability in 2010
- Training by lecturers who are experts in their respective domains, to give you a highly industry-relevant learning focus
- Aligned to in-demand sustainability skills-sets such as those of Architectural Technologists and Environmental Sustainability Design (ESD) engineers ensuring that you will definitely be highly employable

Career Opportunities

- · Architectural Technologists
- Building Automation Technologists
- Digital Delivery Management Specialists
- Energy Management Executives
- · Environmental Sustainability Design (ESD) Engineers / Architects
- · Green Building Designers



Select the Elective Cluster that brings your dream job to life!

Artificial Intelligence in Engineering Climate Responsive Design Simulation Computer Programming for Problem Solving Digital Modelling for Architecture Engineering Mathematics 1 & 2 Engineering Physics Generative Design for Architecture Principles of Sustainable Design

Air-Conditioning & Mechanical Ventilation Building Management Systems Building Performance Modelling Building Systems Modelling Data Visualisation & Analytics Electrical System Design for Buildings Energy Management & Audit Fire & Life Safety Management Integrated Design Studio

Year 3

What You'll Study

Major Project

Advanced Engineering Skills Elective Cluster #
Advanced Skills Practices

Environmental Sustainability Elective Cluster #
• Life Cycle Analysis
• Project Management

Structured Work-Based Learning Elective Cluster #
• Work-Based Learning

University Pathway Programme (NUS) # ^

University Pathway Programme (SUTD) # ^ # Students must choose one of these

cluster electives
^ For selected students

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T29 Diploma in Architectural Technology

