

3 Years Full-Time | Program Overview

About the Program

Architectural engineers apply engineering principles to the construction, planning, and design of buildings and their structures. This degree prepares students to become conceptual thinkers and qualified professionals capable of producing integrated, sustainable designs in collaboration with architects and other multidisciplinary experts.

Course Composition & Attributes

The curriculum is designed to produce effective graduates who possess:

- Developed personal skills, creativity, and team collaboration abilities.
- Professional attitudes towards data selection and team-based workflows.
- In-depth engineering knowledge with critical awareness of emerging technologies.
- Comprehensive awareness of cultural, social, political, economic, and ethical implications in construction.
- Applied skills through a self-selected Honours Project.

Specific Learning Objectives

- Aptitude to solve problems in various settings.
- Competence to develop and apply concepts pragmatically.
- Advanced analytical skills for organizational settings.

- Perceptive insight into engineering-related issues and policies.
- Strategic planning skills for construction project design and implementation.

Method of Assessment

Assessment is an integral learning tool designed to provide feedback and monitor progress. Level 6 assessment involves exams and developmental portfolios, focusing on vocational sensitivity and real-life, project-based learning.

Entry Requirements

- Completion of Diploma (Level 4) and Advanced Diploma (Level 5) in Architectural Engineering.
- Holders of other relevant Level 5 awards will be considered.
- Recognition of Prior Learning (RPL) available for relevant work experience.
- IELTS: 5.5 overall (min 5.0 in each band) or equivalent.

Course Structure (Level 6)

Unit Code	Unit Name	Credits
STI025-3	Architectural Engineering Project	30
STI014-3	Architectural Planning	15
NEWSTI002-3	Environmental Science and Building Services	15
NEWSTI022-3	Digital Analysis in Structural Design	15
STI012-3	Architectural Design and Practice	15
NEWSTI018-3	Emerging Technology and Sustainability	15
NEWSTI001-3	Engineering Design Project	15