



Overview

The **National Diploma: Architectural Technology NQF6** provides an introduction into the Architectural Profession and its role within the building industry. This program provides a strong focus on developing **entry-level skills** for employment within the Architectural Profession/s. This course helps broaden access to the Architectural Profession. The learner is provided with the technical skills, competencies and academic knowledge required to work in the Architecture industry as a an **'Architectural Technologist'**. The role of the technology in architecture is significant because innovation is constantly evolving in both the development in tools like computer modelling and the materials used to make the buildings. Therefore, the architectural technologist are required to perform a significant part of the professional team by providing thorough technical research, proposing innovative technical solutions, managing the production and coordination of the realised design within the stages of administration, design, construction and detailing in the built environment, production of drawings, model making, site supervision and monitoring, elementary planning and design work, and liaison with relevant role players. Although the tools which technologists are using are becoming more advanced and moving towards digital design and production, the role and expertise has not changed in the office. In fact, with technology, technologists can now add more value to the development of the process, higher efficiency and better coordinated production in the built environment.

Features & Benefits

- This qualification will consist of **integrated project-based assessments** to provide a holistic learning experience.
- An introduction to **Virtual and Augmented Reality** technology is incorporated into this program.
- Students get free access to the MakersLab with **3D Printing, CNC Machining and Laser Cutting** facilities.



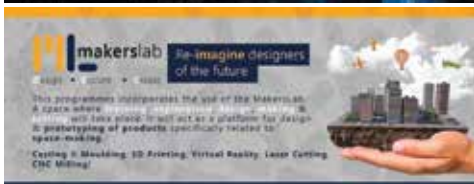
- We utilise industry-leading **Design & Draughting** software including **AutoCAD, Autodesk Revit Architecture, Autodesk Revit Structures and Autodesk Revit MEP** ensuring that students are equipped with industry used CAD software.



- Get a free **Office 365 Education A1 license**, valid for the duration of your studies.
- You will be provided with an A-Grade study kit, that includes all the tools you will need to use in both academic and professional use.
- Scarce industry skills such as Project Management, accredited by **PMI (Project Management International)** and others was added to further employment success and skills application.



- Students get access to our online recruitment portal, exclusively available to **AIE graduates**. Visit www.recruitgraduates.co.za for more.



Duration

Full-Time

- Full Time, Contact** (Hybrid) Learning, 12 Months, 240 credits
- Full Time, Online** Learning, 12 Months, 240 credits
- Classes conducted from Monday to Friday ± 12 hours/week

Part-Time

- Part Time, Flexi** Online Learning, 24 Months, 240 credits
- Classes conducted after hours over 2-3 sessions/week (on selected Saturdays)

** Class structures are subject to change without notification.*

Admission Requirements

- National Certificate: Architectural Technology NQF5 OR
- Recognition of prior learning through an RPL process with AIE

Articulation Options

On successful completion of this qualification, you can articulate into the following:

- Entry into an appropriate qualification at a Higher Education institution, is dependent on the minimum entry requirements of that institution and at their own discretion on a case by case basis.

What you get

This qualification is designed to provide the student with multiple certificates and qualifications, both locally and internationally recognised by industry for maximum employability

On completion the student will earn:

- National Diploma:** Architectural Technology, NQF Level 6, SAQA ID: 48733, 240 Credits
- International Autodesk Software:** AutoCAD Advanced, Revit Advanced, Revit MEP, Revit Structures

Curriculum

Modules Covered

- Architectural Design
- Construction Technology & Detailing
- Architectural Representation & Draughting
- History & Theory of Architecture
- Applied Building Science

Software Modules:

Refresher: AutoCAD Essentials through a self paced assembly



Refresher: Autodesk Revit Essentials



Refresher: Adobe: Photoshop, Illustrator & InDesign Introduction through a self paced assembly



Refresher: Microsoft Office: Word, Excel & PowerPoint through a self paced assembly



**Refresher Courses refers to self study learning materials that AIE provides to students. Please note that these are self study modules to be completed at your own pace. No lecturer will be provided for refresher courses.*

- Autodesk Revit Advanced



- Autodesk Revit MEP



- Autodesk Revit Structure



Essentials of Project Management Module:

This module will prepare students to write their Certified Associate in Project Management (CAPM)® Exam. (Note: CAPM Exam to be arranged by the student)

This course is accredited with Services SETA to the following unit standards:

- SAQA ID 120372: Explain Fundamentals of Project Management | NQF Level 4, 5 Credits
- SAQA ID 120379: Work as a project team member | NQF Level 4, 8 Credits;

The person credited with these unit standards is able to begin operating in a project environment by understanding the terminology used and interpreting and explaining fundamental concepts of project management. These unit standards will also add value to learners who are running their own business and recognise that project management forms an integral component of any business

On Exit: Workplace Preparation and Portfolio Compilation through a self paced Module

You will only attend the WPM on your exit year. The Workplace Preparation Module is designed for students to acquire the requisite skills and attributes to help you integrate into the world of work more easily. Move from the world of education to the world of work with essential and/or specialized skills that will improve your employment (or self-employment) prospects. This program is done for all students and consist of:

Topics covered:

- Preparing for an interview;
- Conduct and Behaviour During an Interview;
- Communication Skills;
- Understanding Legislation;
- Preparing the CV that Everybody Wants to See;
- Using Social Media;
- Starting the Job seeking Journey
- Registering on our recruitment portal

Career Options

- Architectural Technologist
- Draughtsperson
- Spatial Planner
- Project Manager
- Architectural Draughtsperson
- 3D Modeller & Visualization

Study Kit

Your study kit is included in your fees and will contain:



myAIE Student Portal

- **Free WIFI** (On-Campus only)
- **Autodesk student license** valid for 1 year.
- USB 32GB with all required software applications
- Stationery kit that includes:
 - AIE Notepad
 - AIE Pencil Bag (15cm)
 - AIE Ruler
 - AIE Pen
 - UNI Pin Fine Liner (0.05mm, 0.2mm)
 - A4 Bleedproof Sketchpad - 50 Sheets
 - A3 Tracing paper - 30 Sheets
 - Electronic Study Guides
- **Orientation kit including:** Student Card, Welcome Letter, Getting Started Guide.
- Access to myAIE student portal and student support team via phone, email and tickets

Mode of Delivery

- Full Time
- Part Time
- Online