

# National Certificate: Architectural Technology NQF5 SAQA 48734

## Duration:

### Full Time

12 months, 120 credits  
(10 Sessions/Week, 2:00 hours each,  
±2½ day/week, class times are between  
08:30 & 16:00)

All credits are achieved via your study  
duration at the academy, studio time and  
project based assignments.

\*Sessions will be grouped together to lower  
cost of traveling, however, in some cases  
classes may not follow this convention and  
schedules are subject to change.

### Part Time

12 months, 120 credits  
(2 x evening classes, 18:00 to 21:00,  
Mon & Wed OR Tues & Thur)

### Online

12 Months, 120 credits  
(Online live classes, 2 x week, 17:00 - 18:00,  
Mon & Wed OR Tues & Thurs)

Credits are obtained through a  
combination of live virtual classes,  
pre-recorded video lectures and project  
based tasks.

## Overview

The National Certificate: Architectural Technology NQF5 provides an introduction into the architectural profession and its role within the Building Industry. The learner is provided with the Draughting skills, competencies and academic knowledge required to practice in the Built Environment as a "Candidate Architectural Draughtsperson" and after a period of supervised practical experience and/or other requirements as specified by SACAP, the professional registration body, as an "Architectural Draughtsperson".

## Features and Benefits

1. This qualification will consist of 9 theory modules with practical and project-based assessments to provide practical application of theoretical knowledge.
2. The qualification will also integrate up to 6 internationally recognised CAD software courses, accepted by industry at the value of thousands of Rands, a critically advantageous consideration for any employer when considering new draughtspersons.
3. It will further strengthen the student profile and knowledge with specialized integrated modules on 3D Visualization & Animation and BIM Management.
4. We utilise industry leading Design/BIM/Draughting software including AutoCAD, Autodesk Revit Architecture, MEP & Structural, Autodesk Navisworks and Revit Advanced ensuring that students are equipped with industry used CAD software.



5. Included in the full-time fees are a total of 4 weeks practical, spread out over the 12 months. Practical is done onsite at our campus and will cover Quantity Survey, Building, Plumbing and Wiring. Students will get a certificate for their practical modules plus a logbook signed by the workshop supervisor.
6. 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.

## Admission Requirements

- Grade 12 (Competency in the English language & Mathematical Literacy) OR
- NQF4 Drawing Office Practice OR
- N4/5 Multi-Disciplinary Draughting National Certificate, MDDOP (READ MORE >) OR
- Engineering National Certificate N3.

## Mode of Delivery

Full Time / Part Time / Online

## Regulatory Information

AIE (Academic Institute of Excellence) has been granted provisional registration as a private college in terms of Section 31(3) of the CET Act and Regulation 12(4), with registration number 2018/FE07/003 for a period of three years. This programme is accredited, and quality assured by the Construction SETA (CETA), accreditation number # ACC/17/07/00016



## 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 Certificate: Architectural Technology , NQF Level 5, SAQA ID: 48734, 120 Credits
- Autodesk Software Certificates: AutoCAD, AutoCAD Advanced, Revit Architecture, Revit Advanced, Revit MEP, Revit Structural
- Specialized Certificates: BIM Management, Sustainable Design, 3D Visualization & Animation.
- Practical certificate and logbook for: Quantity Survey, Plumbing, Building Methods, Electrical Wiring

## Salaries & Skills

SALARIES (ANNUAL)



SA

Architectural Technologist R77,945 - R354,175

Architectural Technician R91,230 - R422,281

Senior Architectural Technologist R123,428 - R477,621



UK

Architectural Technologist £17,191 - £35,345

Architectural Technician £16,701 - £35,471

Senior Architectural Technologist £25,363 - £44,563

## Curriculum

SEMESTER 1

### Theory Modules:

- Architectural Draughtsmanship
- Construction Technology
- Graphic Communication Skills
- Design Theory and History
- Architectural Design Skills
- Applied Building Science
- Computer Applications
- Verbal and Written Comm.
- Entrepreneurial Skills

### Practical Modules (1 week each):

- Practical Surveying
- Practical Plumbing

*\* Please note that practical modules does not apply to part-time or correspondence students but can be requested.*

### Software Modules:

- AutoCAD Essentials
- AutoCAD Advanced
- Autodesk Revit Architecture

SEMESTER 2

### Theory Modules:

- Architectural Draughtsmanship
- Construction Technology
- Graphic Communication Skills
- Design Theory and History
- Architectural Design Skills
- Applied Building Science
- Computer Applications
- Verbal and Written Comm.
- Entrepreneurial Skills

### Practical Modules (1 week each):

- Practical Building Methods
- Electrical Wiring

*\* Please note that practical modules does not apply to part-time or correspondence students but can be requested.*

### Software Modules:

- Autodesk Revit Advanced
- Autodesk Revit MEP
- Autodesk Revit Structure
- BIM Management Specialization
- Sustainable Design Specialization
- 3D Visualization & Animation

For more information, please contact a student advisor:  
Gauteng: 011 262 5115 | Cape Town: 021 202 7890  
info@aie.ac | www.aie.ac



## Career Options

- Architectural Draughtsperson
- Architectural Technologist
- Spatial designer
- Interior Designer
- Building Inspector
- 3D Modeller & Visualization Expert

## Study Kit

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



myAcademy

- Free WIFI (3GB/Month, On Campus only).
- Autodesk student licenses valid for 3yrs
- Stationery including
  - Sketchpad( A2 & A4 )
  - Scale Ruler
  - Copic Marker(Frost Blue, Moss, Cool Grey, Warm Grey, Clay, Brick Beige)
  - UNI Pin Fine Liner( 0.05mm, 0.2mm, 0.3mm, 0.5mm, 0.8mm)
  - Pencil Clutch (0.3mm, 0.5mm, 0.7mm, 0.9mm)
  - A2 Cutting Mat
  - NT Cutter
  - Steel Ruler
  - A2 Flip File
  - A3 Trace Pad
  - A5 Visual Diary
  - A2 Portfolio bag
  - 24 piece pencil art kit
- Notepad
- Hardcopy and e-manuals

