

DIPLOMA AND CERTIFICATE COURSES-CONSTRUCTION

1. Diploma of Building and Construction (Management)

Duration: 2 years

Overview: This diploma program focuses on the management aspects of building and construction projects. It covers project planning, budgeting, team leadership, and legal compliance.

Course Structure:

Construction Project Management
Building Codes and Standards
Contract Administration
Occupational Health and Safety in Construction
Risk Management in Construction
Quality Control and Assurance
Sustainability in Construction
Industry Project in Construction Management

2. Certificate in Building and Construction (Site Management)

Duration: 1 year

Overview: Geared towards site management, this certificate covers skills needed to oversee construction sites, manage teams, and ensure compliance with safety and regulations.

Course Structure:

Site Supervision and Management
Construction Planning and Scheduling
Building and Construction Regulations
Workplace Health and Safety in Construction
Communication and Leadership in Construction
Construction Site Coordination
Work-Based Learning in Site Management

3. Diploma of Civil Construction Management

Duration: 2 years

Overview: This diploma program focuses on civil construction projects, covering areas such as road construction, infrastructure development, and project planning.

Course Structure:

Civil Construction Project Management
Earthworks and Drainage Systems
Construction Materials and Quality Control
Environmental Management in Construction
Construction Estimation and Budgeting
Legal and Regulatory Compliance in Civil Construction
Industry Internship in Civil Construction Management

4. Certificate in Carpentry

Duration: 1 year

Overview: This certificate is designed for individuals aspiring to become carpenters. It covers foundational carpentry skills, construction techniques, and workplace safety.

Course Structure:

- Carpentry Tools and Techniques
- Construction Drawing Interpretation
- Timber Framing and Joinery
- Workplace Health and Safety in Carpentry
- Building Codes and Regulations
- Practical Carpentry Skills Workshop
- On-Site Apprenticeship Training

5. Advanced Diploma of Engineering Technology (Civil Engineering Design)

Duration: 2 years

Overview: This advanced diploma focuses on civil engineering design within the construction industry. It covers drafting, design software, and project management.

Course Structure:

- Civil Engineering Design Principles
- Structural Analysis and Design
- Geotechnical Engineering
- Construction Materials and Methods
- Project Management for Civil Engineering
- Building Information Modeling (BIM) in Construction
- Industry Capstone Project in Civil Engineering Design

6. Certificate in Plumbing and Services

Duration: 1 year

Overview: This certificate is designed for individuals aspiring to become licensed plumbers. It covers plumbing systems, installation techniques, and compliance with plumbing regulations.

Course Structure:

- Plumbing Systems and Components
- Gas Fitting and Installation
- Roof Plumbing and Drainage
- Workplace Health and Safety in Plumbing
- Plumbing Codes and Regulations
- Practical Plumbing Skills Workshop
- On-Site Apprenticeship Training

7. Diploma of Construction:

Duration: 2 years

Overview: This diploma program provides a broad understanding of construction management, including project planning, risk management, and regulatory compliance.

Course Structure:

- Construction Project Management
- Building Codes and Standards

Contract Administration
Occupational Health and Safety in Construction
Quality Control and Assurance
Sustainability in Construction
Building Information Modeling (BIM)
Industry Internship in Construction

8. Certificate in Civil Construction Supervision

Duration: 1 year

Overview: Geared towards individuals aspiring to supervise civil construction projects, this certificate covers site management, team leadership, and safety compliance.

Course Structure:

Civil Construction Project Supervision
Earthworks and Drainage Systems
Construction Materials and Quality Control
Environmental Management in Construction
Communication and Leadership in Construction
Construction Site Coordination
Work-Based Learning in Civil Construction Supervision

9. Advanced Diploma of Building Design (Architectural)

Duration: 2 years

Overview: Focused on architectural design within the construction industry, this advanced diploma covers design principles, drafting, and building codes.

Course Structure:

Architectural Design Principles
Building Information Modeling (BIM) in Architecture
Construction Documentation
Sustainable Design in Construction
Urban Design and Planning
Project Management in Building Design
Industry Capstone Project in Architectural Design

10. Certificate in Concreting

Duration: 1 year

Overview: This certificate is tailored for individuals interested in concrete construction. It covers concrete mixing, pouring, and finishing techniques.

Course Structure:

Concrete Mixing and Proportioning
Formwork Construction
Concrete Pouring and Finishing
Workplace Health and Safety in Concreting
Building Codes and Regulations
Practical Concreting Skills Workshop
On-Site Apprenticeship Training

11. Certificate in Occupational Health and Safety (Construction)

Duration: 1 year

Overview: This certificate program focuses on occupational health and safety within the construction industry. It covers risk management, safety compliance, and creating a safe work environment.

Course Structure:

Occupational Health and Safety Regulations in Construction
Risk Assessment and Management
Incident Investigation and Reporting
Emergency Response Planning
Workplace Health and Safety Auditing
Communication and Leadership in Safety Management
Work-Based Learning in Construction Safety

12. Diploma of Surveying

Duration: 2 years

Overview: This diploma program is designed for individuals interested in land surveying. It covers surveying techniques, geospatial technology, and land development.

Course Structure:

Introduction to Surveying Principles
Geodetic Surveying
Cadastral Surveying
Remote Sensing and GIS in Surveying
Construction Surveying
Land Development Planning
Professional Practice in Surveying
Industry Internship in Surveying

13. Diploma of Engineering - Technical

Duration: 2 years

Overview: This diploma program provides technical skills in engineering, covering aspects such as drafting, materials, and project management.

Course Structure:

Engineering Drafting and Design
Materials and Structures
Engineering Project Management
Technical Mathematics and Science
Workplace Health and Safety in Engineering
Communication and Teamwork in Engineering
Industry-Based Engineering Project

14. Certificate in Building Design

Duration: 1 year

Overview: This certificate focuses on building design principles, including architectural drafting, design software, and compliance with building codes.

Course Structure:

Architectural Drafting and Design
Building Codes and Regulations
Construction Documentation
Sustainable Design in Building
Building Information Modeling (BIM)
Communication in Building Design
Work-Based Learning in Building Design

15. Certificate in Civil Construction Design

Duration: 1 year

Overview: This certificate focuses on the design aspects of civil construction projects, covering drafting, project planning, and compliance with engineering standards.

Course Structure:

Civil Construction Design Principles
Drafting and CAD in Civil Engineering
Geotechnical Design
Road and Drainage Design
Construction Materials and Techniques
Building Information Modeling (BIM) in Civil Design
Work-Based Learning in Civil Construction Design

16. Diploma of Engineering - Civil Construction Design

Duration: 2 years

Overview: This diploma program provides in-depth knowledge of civil construction design, including structural design, project management, and surveying.

Course Structure:

Structural Design in Civil Engineering
Civil Construction Project Management
Surveying Techniques
Environmental Impact Assessment
Road and Traffic Engineering
Design Software Applications
Industry Internship in Civil Construction Design

17. Certificate in Carpentry and Joinery

Duration: 1 year

Overview: This certificate is designed for individuals interested in both carpentry and joinery skills. It covers woodworking, construction techniques, and joinery principles.

Course Structure:

Carpentry Tools and Techniques
Joinery Skills and Principles

Construction Drawing Interpretation
Workplace Health and Safety in Carpentry
Building Codes and Regulations
Practical Carpentry and Joinery Skills Workshop
On-Site Apprenticeship Training

18. Certificate in Demolition

Duration: 1 year

Overview: Geared towards individuals interested in demolition work, this certificate covers safety procedures, equipment operation, and environmental considerations.

Course Structure:

Demolition Techniques and Equipment Operation
Safety Procedures in Demolition
Environmental Impact Assessment in Demolition
Legal and Regulatory Compliance
Workplace Health and Safety in Demolition
Practical Demolition Skills Workshop
On-Site Demolition Training