

Civil Engineering Course Details

Department: Workplace Essentials

Presented by Magna Skills Development Institute

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Training Coordinator: Denis Wunganayi



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Course Summary

Whether you are new to civil engineering or are ready to advance your engineering skills, the courses below are designed to teach students about the role of civil engineering in modern society and the principles and laws that contribute to the field

This course is intended to teach you the conceptual things that check your logical reasoning capacity. It will polish your knowledge regarding some of the basic questions on civil engineering. This course is intended for civil engineering students who are about to complete their engineering course and the fresh civil engineering graduates who are about to seek a job. This course will keep on expanding as I will keep on adding the lectures.

Course Objectives

- Contractual process, site works, site handling, concrete works, rebar works etc.
- Structure knowledge and working at site.
- They will be able to understand how the steel structures are designed.
- Project Management
- They will be able to calculate Dead Load, Product Loads, Thermal Loads and Wind Loads as per ASCE 07-10
- Valuable Resources that they can use in their Regular Design Calculations

Course Outline

- Orientation module
 - Welcome to your Online Campus
- Module 1
 - Introduction to the South African construction industry
- Module 2
 - Compliance, contracts, and regulation

- Module 3
 - Implementing health and safety, and environmental management
- Module 4
 - Tendering for construction work
- Module 5
 - Pricing the project
- Module 6
 - Planning the project
- Module 7
 - Protecting the cash flow
- Module 8
 - Quality management

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A photograph showing a person's hand pointing at a document with a logo. The logo is a stylized flame or leaf shape, colored orange and green. The document appears to be a financial or project management document, with various charts and text visible. The background is a blurred office setting.

Company Overview

Who We Are: Magna Skills is a premier training and capacity-building organization specializing in professional development for government institutions, NGOs, and the private sector.

Our Mission: To provide world-class training solutions that equip professionals with the expertise needed to excel in their

careers and contribute meaningfully to their organizations.

Our Vision: To be the leading provider of professional training and development across Africa, fostering excellence, innovation, and capacity-building in public and private sectors.

Core Values

- **Excellence** – Delivering high-quality training tailored to meet the evolving needs of professionals.
- **Integrity** – Upholding the highest ethical standards in all our engagements.
- **Innovation** – Embracing new technologies and methodologies to enhance learning experiences.
- **Customer-Centric Approach** – Ensuring client satisfaction by providing relevant, practical, and impactful training.
- **Collaboration** – Partnering with industry experts and institutions to provide the best learning opportunities.

Our Training Methodology

We use a blended learning approach that includes instructor-led training, case studies, workshops, and post-training support.

Why Choose Magna Skills?

- Experienced Trainers
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Request for Training Form

Complete the form and share with Magna Skills Support Team on email info@magnaskills.com or Send Whatsapp on: +27630079022

Approval & Authorization	
Applicant Details	Course Details
First Name:	Course Name:
Last Name:	Training Venue:
Mobile:	Month:
Email:	Training Method: Online[____] Face to Face [____]
Company Name:	Duration:
Country:	Number of Staff Members:

By signing this agreement, both parties confirm their commitment to the terms outlined in this proposal.