

DIPLOMA OF CIVIL ENGINEERING

Diploma in Civil Engineering is a one-year diploma course that deals with the design, development, and construction of a huge range of projects in the built and natural environment.

In general, the Diploma in Civil Engineering syllabus is one year of course study; which is further divided into three semesters equally.

The Diploma in Civil engineering syllabus aims to teach about the designing, development, as well as constructing huge range of projects (both built and natural environment).

The course is designed to help students understand the major facets of civil engineering and engineering concept, which help gaining knowledge related to rigidity of construction.

Civil Engineering is one of the prominent and popular disciplines within engineering. The curriculum is designed for producing middle level technical workforce equipped with knowledge and skills related to the field of Civil Engineering to meet the demand of such workforce. The knowledge and skills incorporated in this curriculum will be helpful to deliver the individual needs as well national needs in the field of Civil Engineering.

This field has been helping the world for the all-round physical infrastructure development and it has been creating wage and self-employment opportunities in both public and private sectors.

This Diploma offers the perfect introduction into the world of Infrastructure and Built Environment. You'll learn the core concepts of civil engineering construction principles, processes and materials, advanced technology applications, structural mechanics, design and documentation of reinforced concrete and steel structures, documentation of urban roads, land surveying, 2D/3D/BIM software.

What is a Diploma in Civil Engineering?

- This course is about designing the process, maintenance and construction of roads, dams, bridges, buildings, etc.
- Students will learn about construction management with theory and practical knowledge.
- The common specialization includes structural engineering, geotechnical engineering, transportation engineering, environmental engineering, etc.
- This field is one of the oldest branches of engineering. It is responsible for construction, design.
- The design and construction of a naturally built environment include waterworks, river navigation, traffic control, transmission lines, power plants, canals, bridges, etc.



Cambridge

Technical College

Program	Diploma of Civil Engineering
Credit Hours	72 Credits
Duration	Academic Year (9 Months)

No.	Subject	CODE	Credit Hours
1	English Language	EN 101	3
2	History of Civil Engineering	CE101	3
3	Computer Application for Engineering	CE102	3
4	Engineering Drawing	CE103	3
5	Building Material	CE104	3
6	Concrete Technology	CE105	3
7	Strength of Materials	CE106	3
8	Public Health Engineering	CE107	3
9	Building Cost and Maintenance Engineering	CE108	3
10	Surveying I	CE109	3
11	Design of Steel & Masonry Structure	CE110	3
12	Civil Engineering Drawing I	CE111	3
13	Construction Management, Accounts, and Entrepreneurship Development	CE113	3
14	Civil Engineering Drawing II	CE114	3
15	Earthquake Engineering	CE115	3
16	Design of Reinforced Concrete Structure	CE116	3
17	Estimating, Costing, and Valuation	CE117	3
18	Surveying II	CE118	3
19	Graduation Project	CE119	18