

Entry Requirements

Construction Management & Structural Engineering

Five (5) **CSEC/CXC** general proficiency level at minimum Grade 11 (Grade 111 from June 1998 and later acceptable)

GCE O Level at minimum grade C in;
English Language
Mathematics
Two (2) other (Technical or Science related subjects)



JOB OPPORTUNITIES

Structural Engineering

- Construction Industry as Structural Detailers, Assistant Site Engineers in both public and private sectors.

Construction Management

- Construction Industry as Project Managers, Site Supervisors etc.



**University of Technology,
Jamaica**
Faculty of The Built Environment
*School of Building & Land
Management*



CONTACT INFORMATION

University of Technology, Jamaica
Faculty of the Built Environment
School of Building and Land Management
(SBLM)



Telephone: (876) 970 5348 or
(876) 927 1608-7
Extensions: 2346 & 2348.
Fax: (876) 702 4935

CONS.

Diplomas In Construction Manag. & Structural Engineering

(Land) & Geographic Information Sciences
Accredited by the University Council of Jamaica



Diplomas in Construction Manag. & Structural Engineering

The Construction Division is central to the School of Building and Land Management. It offers training in major areas of Construction Engineering (Management and Structural) ranging from the certificate to degree levels. Construction Engineering is an integrated discipline within the Built Environment. To a large extent, it is based on the physical sciences and uses mathematics and management tools to conceptualize, analyze, design, develop and implement projects. Systems, processes and methodologies are applied to a wide range of materials, many of which require special treatment as well as good understanding of operational constraints for successful application.

It is therefore necessary for graduates to be able to integrate and coordinate all inputs for the satisfactory and efficient completion of tasks, within the constraints of time, cost and limited resources. To this end, an analytical and enquiring mind with the ability to appraise problems, and develop and implement efficient solutions is vital. Graduates of this division are capable of performing a range of tasks related to design, supervision and management of construction projects.



Construction Management

Graduates from this option should be capable of:

- Organizing and managing the technical, financial and personnel aspects of construction sites.
- Supplying technical information regarding
- alternative construction methods and costs.
- Helping to work out tender figures for contracts.
- Programming and controlling a construction project.



Structural Engineering

Graduates from this option should be capable of:

- Organizing and managing the technical, financial and personnel aspects of construction sites.
- Designing and detailing simple structures in
- steel, concrete and timber.
- Site inspection of structural members in buildings
- for satisfactory construction specifications.
- Interpreting structural drawings and details for
- the purposes of on-site construction.
- Doing simple on-the-spot structural calculations
- and sketches on site or in office.
- Represent Structural Engineer on site.



Course Duration & Programme Content

3 Years (Full Time)

The Construction Engineering Diploma Programme is offered over six semesters in three years on a full-time basis. Each student is exposed to various aspects of Construction Management and Structural Engineering in the first two years.

The first year provides a foundation of basic knowledge of construction methods and techniques essential to understanding the later stages. The second year builds on the foundations laid down in year one.

In the final year students specialize in either Construction Management or Structural Engineering and are concerned with the application of knowledge gained in the previous years.

