



## Project and Construction Management Professional Experience Programme (PEP)

### BSc Project and Construction Management

This is a four year course leading to an honours BSc degree in Project and Construction Management. The course is designed specifically for students who wish to work on projects in the construction industry. This course will equip students with a knowledge and understanding of construction projects and project management. It will enable them to embrace the challenges of modernisation, innovation and change in tomorrow's knowledge based economy.



### Project and Construction Management

Project management may be defined as the overall control and coordination of a project from inception to completion aimed at meeting a client's requirements on time, within costs and to required quality standards.

Construction management specifically is the study of how projects are conceived, designed and built; the types of materials and methods used; techniques used for estimating the cost of construction; design and contract law; accounting and financial management; oral and written communications; safety requirements, specification and project planning.

#### Goals

- To provide a high-quality educational experience that prepares graduates to be capable of assuming technical, management, academic and research/development level positions in the construction industry.
- To provide a stimulating learning environment where students acquire the high quality skills and knowledge necessary for identifying and solving problems in the management of engineering related projects and activities.

#### Objectives

On completion of the degree programme, graduates will:

- have extensive training through an interdisciplinary curriculum that contains a mixture of technical, managerial and business modules,
- have acquired significant transferable skills. In addition to management related skills, they will have developed extensive communication skills, innovation, entrepreneurial and leadership skills, problem solving and decision skills, mediation, negotiation and advocacy skills,
- be highly marketable for the challenging construction industry,
- have the skills necessary to engage in project management across a wide range of industries,
- have the educational background to progress to postgraduate research.





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### Skills acquired

Students in the Professional Experience Programme have acquired skills in: project management, construction management, planning and programming, building and construction, human resource management, managerial economics, structural design and analysis, surveying, soil mechanics, highway and traffic engineering. These students also have considerable expertise and familiarity with computer based techniques.

### Work areas particularly suited to students of Project and Construction Management programme:

- Project management
- Construction management
- Project planning and programming
- Construction supervision
- Health and safety management
- Production management
- Operations engineering
- AutoCAD projects
- Setting out
- Engineering surveying
- Material testing to European standards



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