PROGRAMMES IN CIVIL & ENVIRONMENTAL ENGINEERING

There are two (2) Degrees offered in this programme:-
MSc in Civil Engineering
MSc in Civil with Environmental Engineering

The Aims and Objectives
To extend existing engineering and science knowledge to a professional, Masters output.

To develop the skills required for team-working (and, for CEng, leadership), social and business awareness, through further studies, such as law, finance, management, risk assessment and environmental issues.

To gain experience of team-working, ideally with cross-disciplinary elements, integrating topics covered in the BSc level and centered on real professional and business issues.

Regulations and Entry Requirements
There are two routes offered for admission to the programmes:

Route 1 -
Provides for 4 continuous years of study leading to the award of the BSc Honours and the MSc Degrees.
Applicants must have successfully completed the 3-year BSc Honours Degree programme in three (3) years, attaining a minimum of 55 % weighted average across the three (3) years (GPA of 2.5).

Route 2 -
Provides for successful completion of the BSc Honours Degree and pursuit of the MSc Degree after one (1) year of Initial Professional Development in the workplace. This would give the student an opportunity to better understand the learning outcomes of BSc Honours Degree before proceeding to the MSc.

An MSc candidate in Civil Engineering must have a BSc Civil Engineering Honours Degree and those for the MSc Civil with Environmental Engineering Degree must have a BSc Civil with Environmental Engineering Honours Degree, or an equivalent qualification.

A candidate for any MSc degree must normally pass a course in Research Methodology.

Structure of Programmes offered part-time
It is an evening programme with lectures and tutorials being delivered face-to-face between 4:00 pm and 8:00 pm on weekdays.

Duration of Study
Minimum of three (3) semesters or a maximum of six (6) semesters.

No. of Credits required: 40 or 41
The credits required to complete the programme are dependent on the electives chosen. The semester 1 workload is 16 credits, semester 2 has 15 or 16 credits and semester 3 (May to July) has 9 credits.

Research

The main areas of research can be listed as follows:
- o Civil Engineering Economics
- o Civil Engineering Project Management
- o Computer-aided Engineering & Design
- o Disaster Mitigation & Management
- o Environmental Engineering
- o Materials Engineering
- o The Analysis & Design of Foundations
- o The Analysis & Design of Hydraulic Systems
- o The Analysis & Design of Structures
- o Transport Engineering

The Department offers programmes of study by research leading to the MPhil and PhD degrees in Civil Engineering in all its areas of specialty.

Programme fee information
http://sta.uwi.edu/resources/documents/postgraduatefeebklt.pdf

Course description and prerequisites are available at
http://data.sta.uwi.edu/Eng Postgrad.pdf
Apply online (no fees applicable):
http://sta.uwi.edu/postgrad/apply.asp

General Information
Email postgrad@sta.uwi.edu
Tel (868) 662 2002 ext 82209, 82613, 82616, 82379,
Fax 645-7327

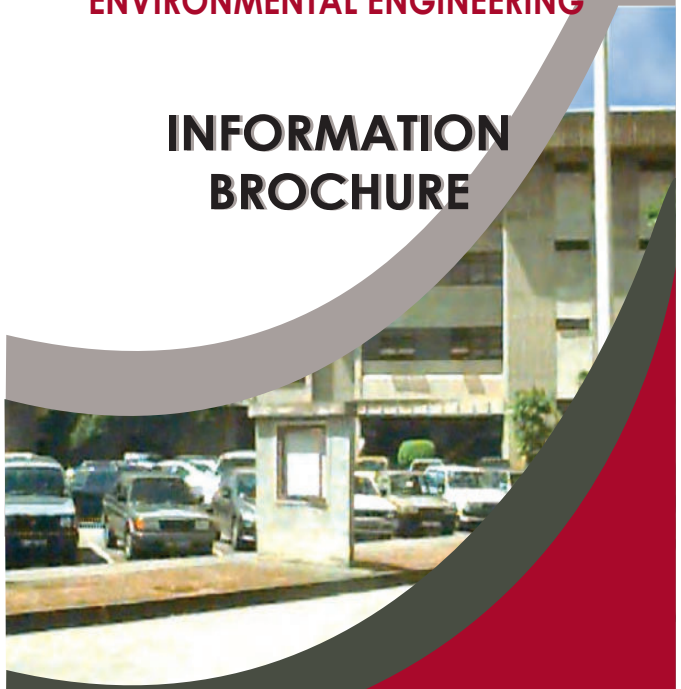
Department of Civil & Environmental
Tel: (868) 662-2002; ext: 82504/82605
Fax: (868) 645-7691
E. mail: richard.clarke@sta.uwi.edu

Programme Coordinator
Dr Richard Clarke

THE UNIVERSITY OF THE WEST INDIES
ST. AUGUSTINE, TRINIDAD & TOBAGO, WEST INDIES
FACULTY OF ENGINEERING
THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

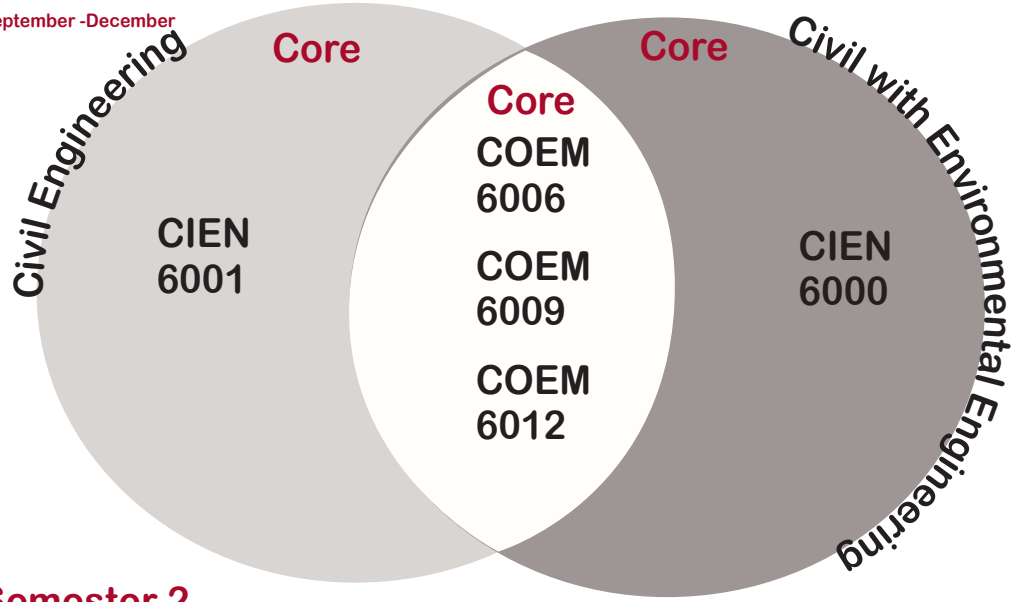
MSc CIVIL ENGINEERING
MSc CIVIL & ENVIRONMENTAL ENGINEERING

INFORMATION BROCHURE



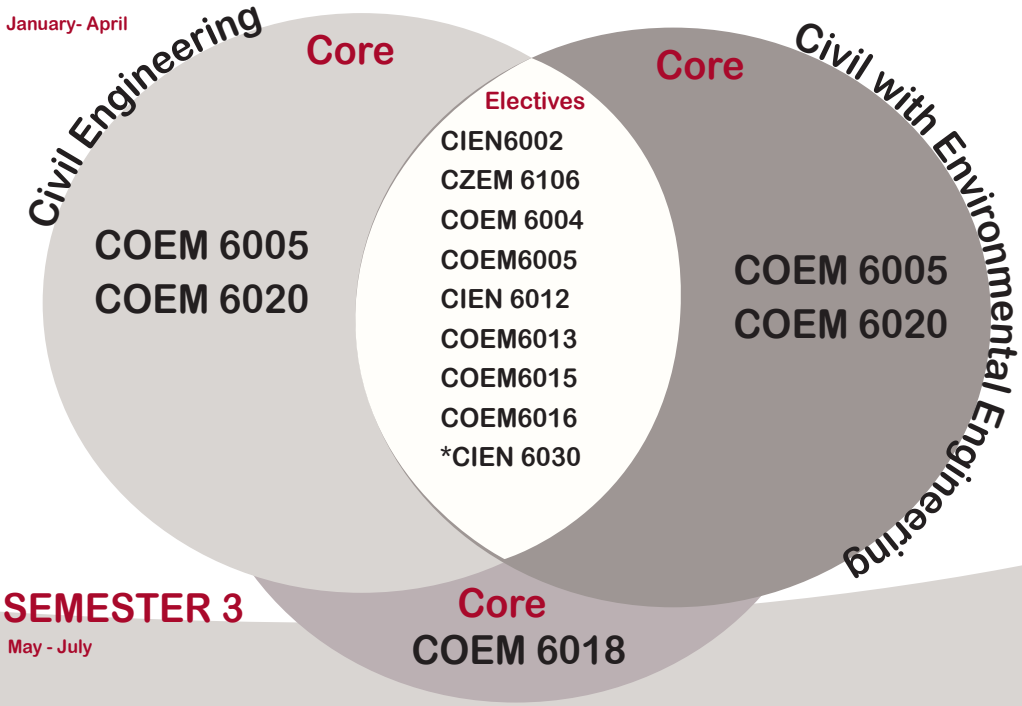
Semester 1

September -December



Semester 2

January- April



SEMESTER 3

May - July

Core
COEM 6018

* Elective for Civil Engineering Only

Course Code	Course Title	Number of Credits
CIEN 6000	Advanced Environmental Engineering	E4
CIEN 6001	Advanced Structural Engineering	E4
CIEN 6005	Civil Engineering Design Project	C9
COEM 6020	Research Methods	C3
COEM 6006	Construction Accounting & Finance	E4
COEM 6009	Contracts Management & Construction Law	E4
COEM 6012	Geotechnics in Construction	E4
CIEN 6002	Road Network Conservation	C3
CZEM 6106	Design of Coastal Structures	C4
COEM 6004	Construction Equipment	E4
COEM 6005	Construction Project Management	E4
COEM 6013	Materials Technology	E4
COEM 6015	Maintenance and Facilities Management	E4
COEM 6016	Natural Hazards Management	E4
CIEN 6012	Advanced Transportation Engineering	E4
COEM 6018	Research Project	C9
CIEN 6030	Performance Based Seismic Design	E4