



Application Procedure

Application instructions and online forms for the Masters in Coastal Engineering and Management can be found at:

<https://sta.uwi.edu/admissions/postgrad/>

Career Opportunities

This M.Sc. opens professional career opportunities in both the public and private sectors dealing with Coastal Engineering and Management. There are also significant opportunities worldwide.



For Further Information Please Contact

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<https://sta.uwi.edu/eng/coastal/>



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

MSc Coastal Engineering & Management



AIMS OF THE PROGRAMME

1. To provide the graduate with the necessary knowledge of coastal processes and coastal engineering techniques required for the assessment of coastal defence systems, with particular emphasis on Caribbean conditions
2. To develop the graduate's ability to design new coastal engineering schemes.
3. To produce a graduate capable of developing coastal zone management plans and to be able to assess environmental impacts of coastal development projects.
4. To produce a graduate capable of implementing and managing new research initiatives.

COURSE DELIVERY

The course is designed to be delivered as a distance learning course through the mylearn-ingplatform, to facilitate participants across all Caribbean Islands. To provide the students with some face to face contact, both with staff and fellow students, the course includes three one week intensive sessions for group activities, field trips and group design exercises. The course is also offered face to face for those participants resident in Trinidad

REGULATIONS AND ENTRY REQUIREMENTS

- I. A honours degree (lower 2nd minimum) from an approved University in the Natural Sciences, Planning, Civil Engineering, Environmental Engineering, Surveying, Land Information, and at least one (1) year's professional experience or
- II. An accredited BTech or HND/Associate Degree in Civil Engineering plus five (5) years related postgraduate experience.

COURSE OUTLINE

Module	Assessment Plan	Notes
Semester 1		
Induction week		Orientation Field trip Group exercise
CZEM6100 Coastal Processes and Hazards	60% Exam 40% Coursework	
CZEM6103 Principles of Coastal Defence, Management and Environmental Assessment	60% Exam 40% Coursework	Intensive 1 week project
CZEM6101 Coastal Geomorphology	60% Exam 40% Coursework	Field trip
COEM 6016 Natural Hazards Management	60% Exam 40% Coursework	
Semester 2		
CZEM6102 Coastal Zone Metrics	100% Coursework	One week field trip Problem based learning.
CZEM6106 Design of Coastal Structures	100% Coursework	Problem based learning. Oral presentation to group
CZEM6112 Coastal Zone Modelling	100% Coursework	Includes using Numerical Models
COEM 6020 Research methods	100% Coursework	Oral presentation to group
Semester 3		
CZEM6108 Research Project	100% Coursework	

Note: Postgraduate diploma omits research methods and research project

Note: Full time mode 1 year Part time mode 2 years

