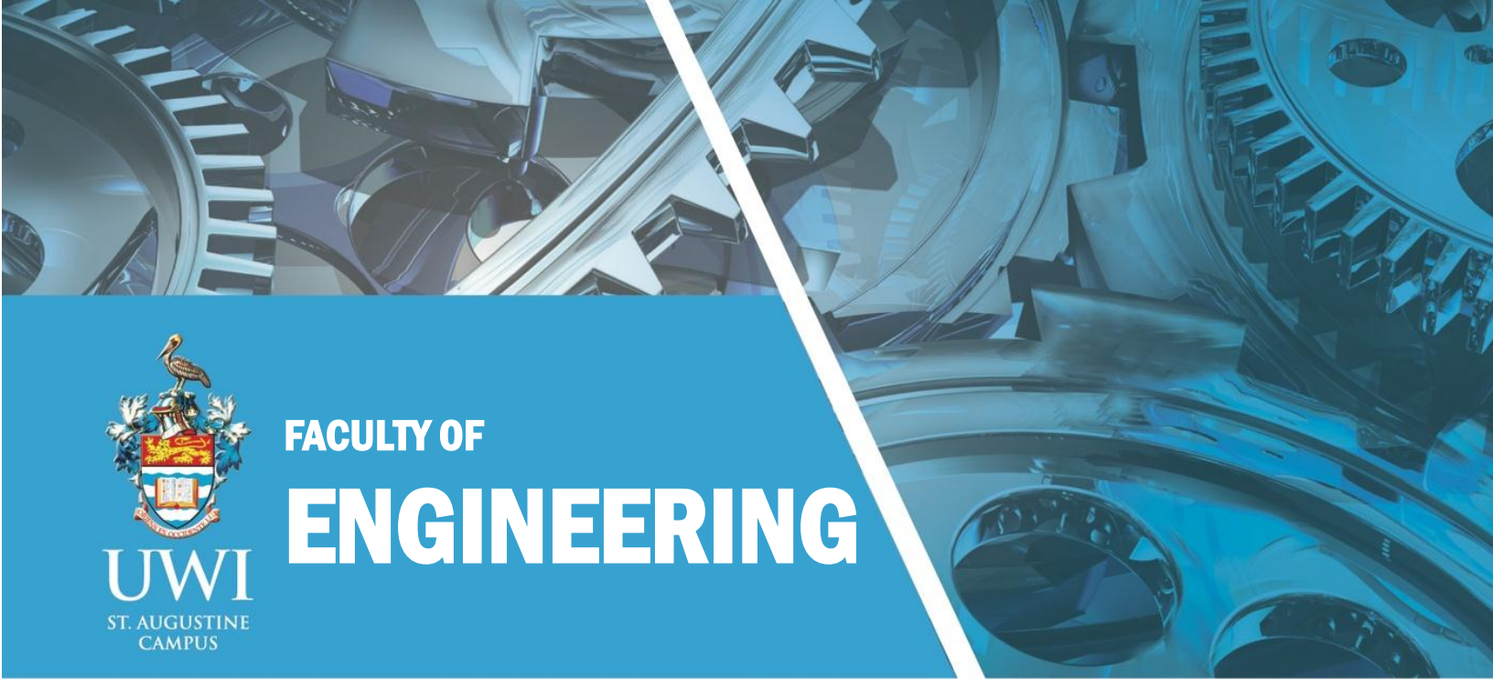


UWI
ST. AUGUSTINE CAMPUS

FACULTY OF
ENGINEERING

DEPERTMENT OF CHEMICAL ENGINEERING

MSC (Eng) PROGRAMMES in

- Chemical & Process Engineering
- Chemical & Process Engineering with Management
- Chemical & Process Engineering with Environmental Engineering

Programme Structure

September 2017. Part-time.

12 – 36 months. 40 credits.

Entry Requirements:

- At least a Lower Second Class Hons degree in Chemical & Process Engineering.
- Pass degrees require a statement from the Department on the suitability of the candidate. Candidates may be required to register for supplementary courses.
- Departmental approval.

MPHIL & PHD IN CHEMICAL AND PROCESS ENGINEERING

Apply to one of our research programmes to generate new knowledge, and develop and transfer methods, techniques, methodologies and tools that lead to improved processes in your industry. Applicants should normally hold an Upper Second Class Honours degree or its equivalent

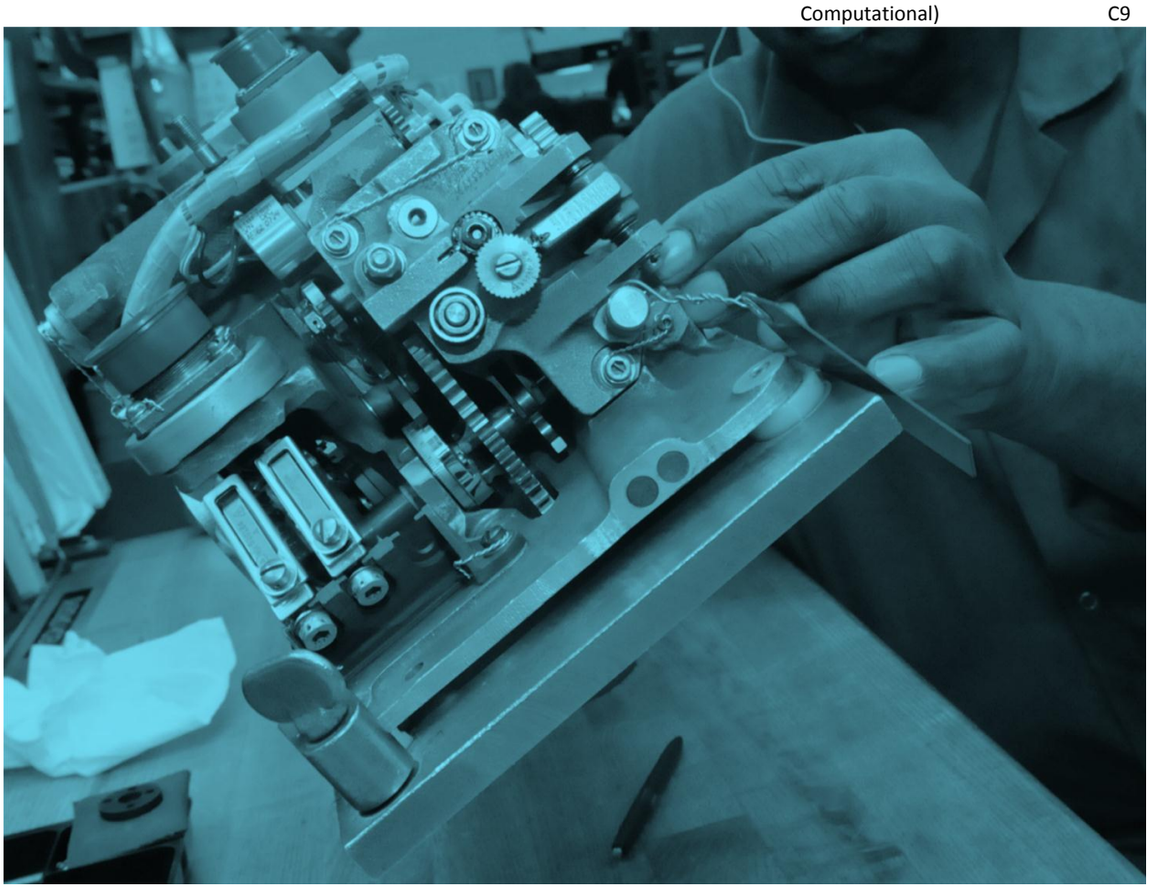
Engage in **creative** and **innovative** development of Engineering technology.

Get experience working in a **team** environment while broadening your knowledge through research and **experimentation**.

Meet the requirements for **UK SPEC** on your way to becoming registered as a **Chartered Engineer**.

For further information:
T:662-2002 ext. 82677
E: carmen.riverol@sta.uwi.edu or Chemeng.Group@sta.uwi.edu
W: http://sta.uwi.edu/eng/chemical

	Part 2: (Experimental; Practical; Computational)	C9



CHEMICAL AND PROCESS ENGINEERING

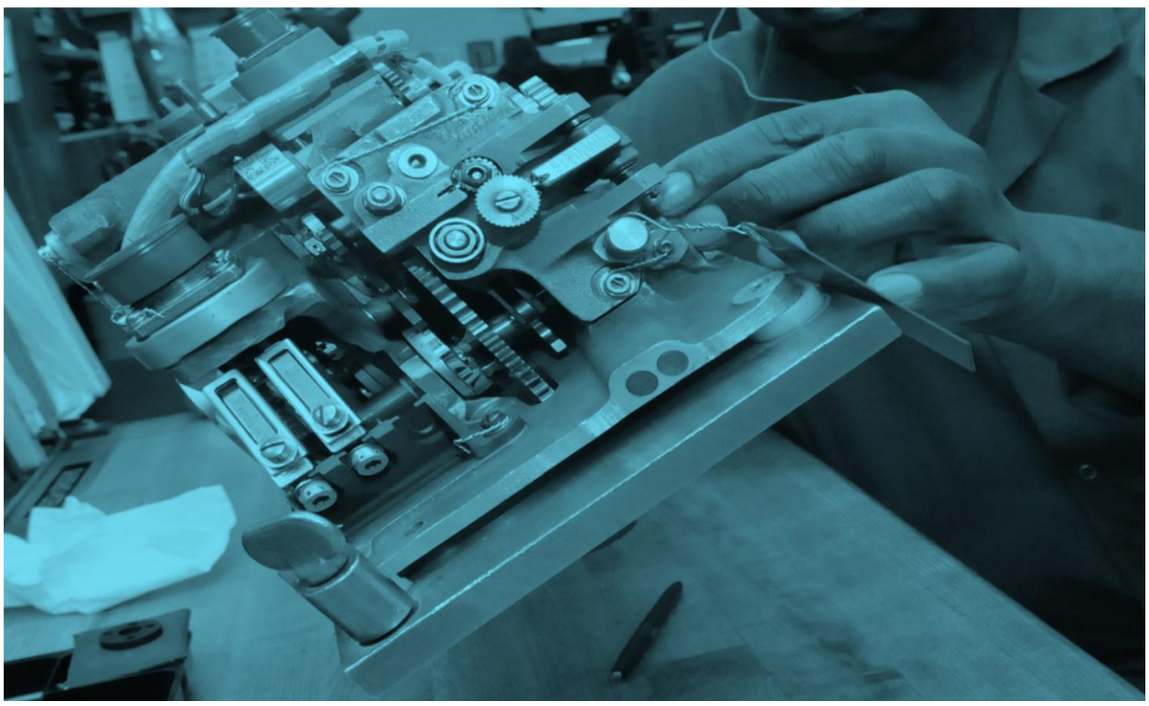
Course Listing for MSc Programmes

SEMESTER 1

Course Code	Course Title	Credits
CHNG 6001	Advanced Process Dynamics & Controls	C4
CHNG 6102	Advanced Chemical Reaction Engineering	E4
CHNG 6206	Research Methods for Chemical Engineers	C3
MENG 6506	Project Management	C3
CHNG 6003	Process Synthesis, Analysis & Optimisation	C4
CHNG 6302*	Chemical Engineering MSc Project Part 1: Project Proposal (Literature Review & Theory where applicable) Part 2: (Experimental; Practical; Computational)	C9

SEMESTER 2

Course Code	Course Title	Credits
CHNG 6101	Advanced Chemical Engineering Thermodynamics	C3
CHNG 6002	Numerical Methods & Computing	C4
CHNG 6206	Research Methods for Chemical Engineers	C3
CHNG 6302*	Chemical Engineering MSc Project *Part 1:* Project Proposal (Literature Review & Theory where applicable)	



Together with two (2) optional courses to be chosen from one (1) of the three (3) streams:

CHEMICAL & PROCESS ENGINEERING STREAM

Course Code	Course Title	Credits
CHNG 6201	Biochemical Engineering II	E3
CHNG 6203	Petroleum Processing Technology	E3
CHNG 6204	Utilities Engineering	E3
CHNG 6303	Desalination	C3
PENG 6007	Reservoir Engineering	E4
PENG 6012	Natural Gas Engineering	E4
PENG 6015	Production Engineering	E4
ENGR 6701	Management and Leadership Seminars	C3

MANAGEMENT STREAM

Course Code	Course Title	Credits
MENG 6402	Human Resource Management I	E3
MENG 6405	Total Quality Management	E3
MENG 6502	Financial Management	E3
ENGR 6701	Management and Leadership Seminars	C3

ENVIRONMENTAL ENGINEERING STREAM

Course Code	Course Title	Credits
ENGR 6005	Pollution Prevention, Cleaner Production & Industrial Waste Abatement	E3
ENGR 6006	Water & Wastewater Engineering	E3
ENGR 6007	Air Pollution Control	E3
ENGR 6018	Energy & The Environment	E3
ENGR 6701	Management and Leadership Seminars	C3

In addition, existing graduate courses in the Faculty can be taken but approval has to be obtained from the Department and Faculty prior to doing so.

*CHNG 6302: the student needs to complete ALL courses and receive the authorization from the Coordinator before he/she can register for this course