



Further Particulars

Senior Lecturer/Lecturer in Food Science and Technology

Be part of a Great West Indian Tradition

The University of the West Indies (UWI) is well-established independent University that serves mainly the English-speaking territories of the West Indies. These countries listed hereunder all contribute to the UWI:

Anguilla, Antigua & Barbuda, The Cayman Islands, The Commonwealth of the Bahamas, Barbados, Belize. The British Virgin Islands, The Commonwealth of Dominica, Grenada, Jamaica, Montserrat, St. Christopher & Nevis, St. Lucia, St. Vincent & the Grenadines, The Republic of Trinidad & Tobago.

Our annual output of graduates, Caribbean-focussed research and policy advice provided to governments and the private sector, continue to have a profound influence on the English-speaking Caribbean, contributing to the region's stability and its relative wellbeing.



OUR HISTORY

The University of the West Indies is the oldest, fully regional institution of higher learning in the Commonwealth Caribbean. The UWI began at the Mona Campus, Jamaica, in 1948 as a College of the University of London; and in 1962 achieved full University status. The St. Augustine Campus in Trinidad and Tobago was established in 1961 and in 1963 a third Campus was established at Cave Hill in Barbados. In 2008 The University established a fourth campus – The Open Campus – to better manage and expand multi-mode delivery of its programmes.

OUR FACULTIES

The seven faculties of The UWI offer a wide range of undergraduate, masters and doctoral programmes in Food and Agriculture, Humanities and Education, Engineering, Law, Medical and Veterinary Sciences, Science and Technology; and Social Sciences. Several of these programmes are delivered through the distance mode.

Visit us online at www.uwi.edu to find out more about the UWI or www.sta.uwi.edu for more on the St. Augustine Campus and the Region we serve!



THE DEPARTMENT OF CHEMICAL ENGINEERING

The St. Augustine Campus and the Department of Chemical Engineering

The St. Augustine campus offers degree programmes through six faculties each headed by a Dean. The faculties are: Medicine, Engineering, Science and Agriculture, Social Sciences, Humanities and Education and Law. The Faculty of Engineering is comprised of five Departments, namely: The Department of Chemical Engineering, the Department of Civil & Environmental Engineering, the Department of Electrical & Computer Engineering, the Department of Geomatics Engineering & Land Management and the Department of Mechanical & Manufacturing Engineering.

The Department of Chemical Engineering has responsibilities for teaching, continuing education, and research in the four (4) disciplines of Chemical Engineering, Food Science and Technology, Petroleum Engineering and Petroleum Geoscience.

CHEMICAL AND PROCESS ENGINEERING

The Chemical Engineering Group comprises eight (8) full-time academic staff and an undergraduate population of around 180, including doctoral students and research assistants. Teaching by full-time academic staff is well supported by part-time instructors and research assistants. The Department has an international outlook for both teaching and research. It is the largest provider of chemical engineering graduates in the English-speaking non-USA territories of the West Indies, and our academic courses have a unique reputation regionally. The MSc and BSc programmes are currently accredited by the Institution of Chemical Engineers (IChemE). The BSc in Chemical and Process Engineering curriculum is organized along the traditional lines for such a programme. Entry

standards to the undergraduate courses are among the highest in the Caribbean region.

Currently available facilities include the following laboratories: Unit Operations Electrochemical Engineering, Analytical Chemistry, Design Office, Reactions & Controls, Extraction and Science of Materials/Metallurgy. The Faculty has recently invested in new process biotechnology and multi-phase flow laboratories. The additional laboratory space provides an important part of our research strategy. Areas of current research include: sustainable energy, reaction engineering, multiphase flow, desalination and optimization, process control and electrochemical and corrosion, and process safety. Where appropriate, interdisciplinary research is done in collaborations across campus, for example with the Departments of chemistry and life sciences.

The Chemical Engineering Group maintains links with industry particularly in the area of chemical manufacture. The process industries form one of the key sectors in the economies of the English-speaking Caribbean. Thus, the petroleum and natural gas industries effectively support the economy in the Republic of Trinidad and Tobago, and the minerals industry (bauxite, cement, etc.) is of prime importance in Jamaica. In addition to these industries there exists a wide range of operations in the medium and small-scale process categories, such as soaps and detergents, paints, pharmaceuticals, oils and fats, etc. Staff participate actively in professional associations as well as scientific and technical societies, in particular, The Association of Professional Engineers of Trinidad & Tobago (APETT) and the UK's Institution of Chemical Engineers (IChemE).

Graduates of the Chemical and Process Engineering Programme have found employment in all aspects of the process industries, including design, process

engineering, project engineering, operations management, technical services and marketing. Some individuals follow careers in the scientific and technical civil service, whilst others pursue postgraduate studies in areas such as petroleum engineering.

PROGRAMME OFFERING

The Department offers programme of studies leading to:

Undergraduate:

BSc (Eng) in Chemical and Process Engineering
BSc in Petroleum Geoscience

Postgraduate:

MSc in Petroleum Engineering
MSc in Reservoir Engineering
MSc in Food Science and Technology
MSc in Chemical and Process Engineering
MSc in Chemical and Process Engineering with Management
MSc in Chemical and Process Engineering with Environmental Engineering

The BSc programme in Petroleum Engineering is on the books, but not currently offered. The Department also offers MPhil and PhD research programmes in the following areas:

Biomass as an Energy Source
Food Product Development
Waste Utilization
Safety in Process Plants
Environmental Pollution
Petroleum and Gas Processing
Petroleum Engineering
Geoscience
Petroleum Geoscience
Food Safety
Post-Harvest Technology
Food Dehydration
Food Process Engineering

CURRENT MEMBERS OF ACADEMIC STAFF

Hosein, Raffie Head of Department and Senior Lecturer Coordinator of MSc Reservoir Engineering Programme (Petroleum and Reservoir Engineering)	BSc (Pet. Eng.), MPhil (Pet. Eng.), PhD (Pet. Er CEng MEI Chartered Petroleum Engineer FIMMM, MSPEI
Blake, Oshaine (Petroleum Geophysics)	BSc (UWI), PhD (Univ. Of Liverpool)
Carmen, Riverol (Process Design & Economics, Process Control)	BSc, MSc (Chem Eng) (Simon Bolivar), PhD (Vigo)
Chakrabarti, Dhurjati Prasad (Multi-phase Flow, Reaction Engineering)	MSc (Mumbai), PhD (IIT, Kharagpur)
Deo, Roger (Loss Prevention & Risk, Particle Technology)	BSc (Chem. Eng), PhD (Chem. Eng.) (UWI)
Hassanali, Hamid (Drilling & Completions, Production Engineering)	(Drilling & Completions, Production Engineering, Petroleum and Reservoir Engineering)
Janes, David (Simulation, Automation, Optimisation Process Design)	BSc (Aston), PhD (Birmingham)
Jupiter, Andrew (Petroleum Engineering, Petroleum Taxation and Contractual Arrangement)	BSc (UWI), MSc (Penn State University), FEI, FIMMM
Maharaj, Sharad (Separation Processes, Transport Phenomena)	BSc (Chem. Eng) (UWI), PhD (Chem. Eng.), (UWI)
Meerdink, Gerrit (Food Processing Technology)	MSc (ir.) Chemical Technology (Twente University, The Netherlands) PhD Food Process Engineering (Wageningen University, The Netherlands) BSc Nat. Sci.), MPhil (Agri. Eng.), PhD (Agri. Eng.) (UWI)
Mujaffar, Saheeda (Food Process Engineering, Food Dehydration, Postharvest Technology)	BSc (Earth sciences), MPhil (Geology), PhD (Geology) (Mona, UWI), FGS
Ramsook, Ryan (Exploration and Oil Field Development)	BSc (Chem. Eng.) (UWI), MASC (Toronto), MAPETT, AMIChemE PhD (Chem. Eng.), (UWI)
Smith, Jeffrey (Reaction Engineering, Transport Phenomena & Computer-aided Engineering)	BS (Chem. Eng.), MS (Pet. Eng.) (Texas Tech University), PhD Pet. Eng. (Imperial College)
Sobers, Lorraine (Carbon Storage, Enhanced Oil Recovery)	BSc (UWI), MSc (Imperial College), PhD (Imperial College)
Ward, Keeran (Biotechnology)	BSc, MSc, PhD (Wales), FGS
Wilson, Jeremy Brent (Palaeontology, Stratigraphy and Sedimentology)	
Professors Emeritus	
Dawe, Richard (Reservoir Engineering, Hydrocarbon Thermodynamics)	BA, MA, DPhil (Oxford), Eur Eng, CEng, CSc, CGeol, FEI, CChem, FRSC, FGS
McGaw, David R. (Separation Processes, Particle Technology)	BSc, MSc (Wales), PhD (UWI), FIChemE, CEng, MAIChemE, MAPETT
Mellowes, Winston A (Transport Phenomena, Sugar Technology, Biomass Utilisations)	BSc (Eng), MSc, PhD (UWI), MIChemE, CEng, MAIChemE, MCIC, FAPETT, REng
Richards, George Maxwell Former President of The Republic of Trinidad and Tobago	CM, MSc (Manch), PhD (Cantab), ARIC, AMCST, FInstPet, MAPE, CEng,

DUTIES OF THE APPOINTEE

The successful applicant will be required to contribute significantly to teaching and curriculum development in the discipline of chemical engineering in the Department. The appointee will also be expected to engage in meaningful research and innovation activities in the field of chemical and process engineering, and to conduct various administrative duties, including the supervision of undergraduate and graduate students.

REMUNERATION PACKAGE

ANNUAL SALARY RANGE:

(US\$1.00 = TT\$6.25)

Senior Lecturer:

Minimum: TT\$340,164.00 per annum

Maximum: TT\$421,704.00 per annum

Lecturer:

Minimum: TT\$239,544 per annum

Maximum: TT\$333,456 per annum

BENEFITS:

- Special allowance of 6% of basic salary;
- Transportation Allowance of TT\$3,250 per month;
- Up to five economy class passages plus baggage allowance of US\$3,000.00 (TT\$ equivalent) on appointment and normal termination;
- Unfurnished accommodation at 10% or furnished at 12½% of basic salary, or housing allowance of 20% of basic salary to staff making own housing arrangements;
- UWI contribution of equivalent of 10% of basic salary to Superannuation Scheme;
- Annual Study and Travel Grant (available after first year of service); -TT\$20,717.00 per annum
- Institutional Visit Allowance – TT\$ 7,200.00 per annum
- Book Grant – TT\$6,000 per annum
- Contributory Health Insurance – 50%
- Group Life insurance Scheme

The Registry
St. Augustine
2017 June 22
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