



Lecturer in Biosystems/Agricultural Engineering

FURTHER PARTICULARS

Be part of a Great West Indian Tradition

The University of the West Indies (UWI) is a well-established independent university that serves 17 countries of the Commonwealth Caribbean: Anguilla, Antigua & Barbuda, The Bahamas, Barbados, Belize, Bermuda, The British Virgin Islands, The Cayman Islands, Dominica, Grenada, Jamaica, Montserrat, St. Kitts & Nevis, St. Lucia, St. Vincent & the Grenadines, Trinidad & Tobago, and the Turks & Caicos Islands. [Read more ...](#)

Ranked Among the Best

Only Caribbean University Ranked Among BEST IN THE WORLD



- ▶ CARIBBEAN'S #1
- ▶ WORLD'S TOP 1.5 %
- ▶ LATIN AMERICA'S TOP 20
- ▶ WORLD'S GOLDEN AGE TOP 100
- ▶ IMPACT RANKINGS 2.5%

An innovative, internationally competitive, contemporary university deeply rooted in the Caribbean, The UWI is an international university, in every respect, with links extending beyond the region to well over 100 universities worldwide.

The Times Higher Education rankings in 2018 and 2019, placed The UWI as the number 1 ranked university in the Caribbean out of over 200 registered institutions across the region; and among the top 3% of some 2,000 registered universities in the wider Latin America and the Caribbean. In 2020 The UWI was ranked among the THE's top 100 "Golden Age" universities established between 1945 and 1967. [Read more ...](#)

About UWI

The first of UWI's five campuses began in 1948 at Mona, Jamaica, as a College of the University of London. The St. Augustine Campus in Trinidad & Tobago was added in 1961 and UWI achieved full university status in 1962. St. Augustine was followed by campuses at Cave Hill, Barbados (1963), the Open Campus (2008), and the Five Islands Campus in Antigua & Barbuda (2019). [Read more ...](#)

Our 8 Faculties

Teaching at the St. Augustine Campus takes place within eight faculties - Engineering, Food & Agriculture, Humanities & Education, Law, Medical Sciences, Science & Technology, Social Sciences, and Sport. Each Faculty offers a wide range of undergraduate and postgraduate programmes. [Find out more ...](#)

Get to Know Us

Visit <https://www.uwi.edu/> to find out more about The UWI. For more on the St. Augustine Campus, visit <https://sta.uwi.edu/>. Read the latest Campus news in our monthly publication, *UWI Today* and follow us on social media [Facebook](#), [Twitter](#), [Instagram](#), [YouTube](#), [LinkedIn](#).

About the FACULTY OF ENGINEERING

The Faculty of Engineering (<https://sta.uwi.edu/eng/>), comprises the Department of Chemical Engineering, the Department of Civil and Environmental Engineering, the Department of Electrical and Computer Engineering, the Department of Geomatics Engineering and Land Management, and the Department of Mechanical and Manufacturing Engineering.

The Department of Mechanical and Manufacturing Engineering

The Department of Mechanical and Manufacturing Engineering, hereafter referred to as the DMME, celebrated its 50th Anniversary in 2011. It has come a long way from a modest beginning. The DMME offers programmes of study leading to:

Undergraduate:

- B.Sc. Mechanical Engineering
- B.Sc. Mechanical Engineering with Biosystems
- B.Sc. Industrial Engineering

Postgraduate:

- M.Sc. Engineering Management
- M.Sc. Engineering Asset Management
- M.Sc. Manufacturing Engineering and Management

At present there are approximately 400 students enrolled in different levels of its three 3-year BSc (Honours) degree programmes. Moreover, approximately 75 students are currently pursuing courses in the Master of Science programmes. In addition,

about 25 students are enrolled in MPhil/PhD programmes.

Since its inception, over 2,700 persons have graduated from the DMME's B.Sc. programmes. The programmes in the DMME have been continuously accredited by the Institution of the Mechanical Engineers of the UK since 1994 for the undergraduate and 2006 for the postgraduate programmes. The curriculum is regularly updated through inputs from staff research, industrial and professional links (both regional and international) and recommendations of the accreditation body. The current academic staff members have diverse academic and professional backgrounds encompassing research experience within the Caribbean and further afield.

Current Members of Academic Staff

Dr. Jacqueline Bridge	BSc (Eng) (UWI), PhD (Cornell), DipEd (UTech) – Head of Department
Professor Boppana V. Chowdary	BTech (Nagarjuna), MTech and PhD (IIT Delhi)
Professor Edwin Ekwue	BEng (Nigeria), MSc, PhD (Cranfield)
Professor Kit Fai Pun	MSc (Stirling), MEd (Manchester), MPhil (City Univ, Hong Kong), MSc, PhD (Middlesex)
Prof. Krishpersad Manohar	BSc (Eng) (UWI), PhD (UWI)
Dr. Chris Maharaj	BSc (Eng)(UWI), PhD (Imperial)

Dr. Anthony Adeyanju BEng, MEng (Nigeria), PhD (UWI)

Dr. Richard Bachoo BSc, MPhil, PhD (UWI)

Dr. Ruel Ellis BSc (Eng) (UWI), MSc (Brunel), PhD (UWI)

Dr. Terrence Lalla BSc, MPhil, PhD (UWI)

Dr. Renique Murray BSc (Eng), MPhil (UWI), PhD (UTT)

Dr. Kuldeep Ojha ME, PhD (NIT-Jalandhar)

Dr. Cilla Pemberton BSc (Eng) (UWI), MSc (UWI) MSc (UTT), DBA(UWI)

Mr. Jainarine Bansee BSc (EC), MSc (UWI)

administrative duties including the supervision of graduate students.

Tenure of Appointment

Appointment as Lecturer will normally be for three (3) years in the first instance, with eligibility for consideration for renewal.

Subsequent to the first appointment a member of staff who has served in an academic position in this or some other University for a period of six (6) years will be eligible for consideration for appointment on indefinite tenure.

Further details may be obtained from the Campus Registrar, The University of the West Indies, St. Augustine, Republic of Trinidad and Tobago.

Duties of Appointee

The appointee will be attached to the DMME and will report to its Head. The appointee will be expected to provide teaching, research and supervisory support in the undergraduate and postgraduate programmes within the DMME, as well as other duties allocated by the Head of Department.

The successful applicant will be required to contribute significantly to teaching and curriculum development in the field of Biosystems Engineering in the Department. The appointee will also be expected to engage in the delivery and development of appropriate final year capstone projects. Additionally, the appointee will be expected to engage in meaningful research and innovation activities in this area and carry out various

Research

The University of the West Indies supports the research activities of permanent members of staff by providing study leave, special leave for scholarly purposes, and sabbatical leave, as well as offering funding for research trips, fieldwork, institutional visits, conference participation and organisation, and research assistants. For more information on research funding, see

<http://sta.uwi.edu/research/funding.asp>

Lecturer in Biosystems/ Agricultural Engineering

Qualifications and Experience

The successful candidate must possess a PhD from a recognized university, which should be in Biosystems, Agricultural or Mechanical Engineering or a closely related field.

Candidates should also possess:

- At least three (3) years teaching experience
- At least three (3) articles in reputable, peer-reviewed journals
- Expertise in the area of Field Machinery and Equipment
- Competence in the design of Traction and Power Hydraulics systems
- Evidence of organizing research in Biosystems Engineering

Candidates with the following would have an advantage:

- Experience in the supervision of research projects, preferably at both the undergraduate and postgraduate levels
- Proficiency in teaching courses related to at least two (2) of the following:
 - Machine Drawing
 - Design
 - Smart Mechanisation
 - Food Engineering

The following would be considered assets:

- Certificate in university teaching and learning
- Industrial experience

Candidates must be registered or able to register for Chartered Engineer or Professional Engineer status.

Special Responsibilities

- Leading and strengthening the research and outreach activities in the Department, in particular Bio-systems (Agricultural) Engineering
- Supervising research students
- Teaching Traction and Power Hydraulics, Field Machinery and/or Intelligent Machine Systems and other related Mechanical Engineering courses such as Machine Drawing/Design, Dynamics and Mechanics of Machines
- Advising undergraduate students
- Engaging in the delivery and development of appropriate design projects
- Engaging in meaningful research and innovation activities

Personal Attributes

The Campus places high priority on individuals of integrity who can work well in a team and student friendly environment. Candidates should also possess good communication and interpersonal skills. A good command of both oral and written English is essential.

Candidates should also:

- Be committed to working with various Departmental research groups and students
- Be creative and innovative
- Be student centred
- Be committed to developing and able to organize the Department's research, service and outreach in Biosystems Engineering and the Caribbean food production community

Candidates are further encouraged to enhance their application by providing the following:

- Cover Letter
- Teaching statement (1 page)
- Research statement (1 page)

Remuneration Package

Annual Salary Range:

Lecturer (Non-Medical):

Minimum: TT\$ 239,544.00 per annum

Maximum: TT\$ 333,456.00 per annum

Benefits:

- Special allowance of 6% of basic salary;
- Transportation Allowance of TT\$3,250.00 per month;
- Up to five economy class passages plus baggage allowance of US\$3,000.00; (TT\$ equivalent) on appointment and normal termination (persons recruited from outside of T&T);
- 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\$24,548.00 per annum;
- Institutional Visit Allowance (available after first year of service) – TT\$7,200.00 per annum;
- Book Grant – TT\$6,000.00 per annum;
- Contributory Health Insurance – 50%;
- Group Life Insurance Scheme

The Registry

St. Augustine

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