



Lecturer in Controls 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 Chemical 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 and Petroleum Studies (Petroleum Engineering, Reservoir 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 BSc and MSc

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 Physics, 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.

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.

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 Controls Engineering

Qualifications and Experience

The successful candidate must possess a PhD, which should be in Chemical Engineering, Chemical and Process Engineering or a closely related field, with focuses in Process Controls and Optimization.

Candidates should also possess:

- Teaching experience at the tertiary level
- Research in the area of expertise and experience with supervision of student projects
- A good record of research and publications in reputable, peer-reviewed journals
- Proficiency in the following areas:
 - Process Dynamics & Controls
 - Process Optimization & Simulation

Candidates with the following would have an advantage:

- Teaching and supervision of student research projects at MSc level; involvement in PhD supervision
- Competence in Chemical Engineering Thermodynamics, conversant with current trends in the industry

The following would be considered assets:

- Experience in the Process Industry e.g. Operation, R&D, Design
- Expertise in Process Modeling and Simulation and Data Analytics

Special Responsibilities

- Teaching undergraduate and postgraduate courses in Chemical Engineering
- Supervising postgraduate (MSc, MPhil and PhD) student projects and mentoring of students
- Developing well recognized and independent research programmes capable of attracting external funding in their area of expertise
- Engaging with local, regional and international stakeholders, other Departments and academic institutions and Faculty through collaborative research
- Providing ongoing revision of the curriculum to keep abreast of development and innovation in the area of expertise
- Developing professional short courses to respond to the changes within the industry specifically focusing on local and regional needs
- Serving on Committees at the Department, Faculty and University levels

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 able to interact and work well with staff, students and industry stakeholders
- Have good organizational and leadership skills
- Be fluent and articulate
- Be self-motivated and capable of mentoring and motivating students

- Develop students' appreciation and passion for the study of Chemical Engineering
- Be willing to forge working relationships and meaningful engagement with external stakeholders (industry and universities).
- Be committed to developing the Department's outreach programme

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
File # 173-2-15
2023 August
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