THE UNIVERSITY OF TRINIDAD AND TOBAGO
APPLICATION AND PROGRAMME INFORMATION
Undergraduate Admission

Applicants MUST read the instructions carefully before completing the Application for Admission to Undergraduate Studies. ONLY ONE application per applicant would be acknowledged and processed.

1. This document contains entry requirements, status and location(s) for all programmes advertised for this intake. Please be guided by this information when completing an online application. For programme tuition and further information, visit our website www.u.tt or click **here** to contact an academic unit.
2. Applicants must be 16 years old on or before September 1st of the year they plan to start the programme.
3. Applicants can **ONLY** apply online at www.u.tt/apply and there is no application fee for online applications at this time. Applicants will be informed via automatic email correspondence when an action or decision is made with the application and therefore, must check emails periodically for these notifications. Once in possession of **myPortal** credentials, applicants should use the My Application Status feature to check on the status of their application.
4. Applicants **MUST** scan all original documents; save these documents in either PDF or TIF format and upload all documents using the link provided in the follow-up email from Enrolment Services. If you do not follow the requirements for uploading your scanned documents, delays will occur in processing your application.

- Applicants **MUST** scan all original documents; save these documents in either PDF or TIF format and upload all documents using the link provided in the Document Upload email from Enrolment Services. These documents include **one (1) copy** of:
- Your Birth Certificate
- Valid identification
- **ONLY RELEVANT** academic certificates CSEC (CXC 'O' Levels), GCE, CAPE, Undergraduate and Technical Certificates/transcripts (NEC, NESC) etc.
- Evidence of **RELEVANT** work experience
- Ensure that **ALL FOUR CORNERS of each document are included in the scan,** otherwise, your document will not be accepted, and you will be asked to resubmit in the prescribed manner.
- Applicants are asked to exercise care when scanning and sending documents and must ensure that all documents are **legible**. **The University retains the right to reject documents that are not in the prescribed format. Deviation from these requirements will cause a delay in your admission.**

5. All claims of academic qualifications must be supported by **official transcripts and certificates**. Applications without relevant supporting documents are considered **incomplete** and cannot be assessed.
6. Only **OFFICIAL** transcripts **issued by the institution(s) attended** will be accepted. Electronic or digital official transcripts must be emailed to enrollmenttranscripts@utt.edu.tt by the institution's authorized office. Accreditation Council of Trinidad and Tobago (ACTT) will issue the Equivalency Assessment Certificate directly to UTT via this email address.
7. **Please note that this email account is for the sole purpose of receiving electronic/digital official transcripts from external tertiary institutions for admissions to a UTT programme. Therefore, we will not be able to respond to inquiries.**
8. Hard copy transcripts must be mailed to: Manager, Enrolment Services, The University of Trinidad and Tobago, San Fernando Campus, 1-25 V.V. Gopaul Drive, Tarouba, San Fernando 602905.
9. International applicants and others with foreign qualifications (i.e., qualifications that were not issued by institutions in Trinidad and Tobago and/or CARICOM) **MUST contact The Accreditation Council of Trinidad and Tobago (ACTT)** to **obtain the MANDATORY Equivalency Assessment Certificate (EAC) BEFORE the application is considered.**

10. Some programmes are **only** offered at certain UTT campuses, therefore, your choice of campus is limited and not guaranteed.

11. The university has adopted a blended learning approach that allows flexibility with the delivery of course content to students.

12. **BY COMPLETING AN APPLICATION TO THE UNIVERSITY OF TRINIDAD AND TOBAGO, YOU ARE GIVING PERMISSION TO THE UNIVERSITY TO ACCESS YOUR ACADEMIC RESULTS FROM THE FOLLOWNG EXAMINING BODIES FOR THE EXPEDITIOUS PROCESSING OF YOUR APPLICATION ONCE YOU ARE EXPECTING RESULTS FOR EXAMINATIONS SAT IN MAY – JULY OF THE INTAKE YEAR:**

- **The Caribbean Examination Council (CXC)**
- **The General Certificate of Education (GCE) Cambridge**

13. Successful applicants must present the original and one (1) copy of these results and any other academic qualifications, along with their birth certificate and other required supporting documentation for verification and confirmation on a date to be announced.

14. Provisional acceptances are granted for persons who are due to write CSEC and CAPE examinations in May to July. Click here for more information on how to obtain provisional acceptance into the Certificate, Diploma and Bachelor programmes.

15. Applicants who are Trinidad and Tobago citizens, wishing to access GATE funding MUST register for the GATE E-Service at any of the TT Connect locations that are listed on their website www.e-gate.gov.tt OR dial 800-GATE for additional information. **Please be advised that the GATE E-Service Registration and Application should be completed in order to access GATE funding at UTT. Citizens are asked to carefully review the eligibility information on the GATE website.**

16. Information on International Students, University fees, Tuition and the Tuition Payment Plan (TPP) are located on the website https://utt.edu.tt/index.php?programmes=1 The Tuition Payment Plan is only available to nationals of Trinidad and Tobago.

17. The University reserves the right to adjust its programme offerings and information when necessary.

18. **IT IS THE RESPONSIBILITY OF ALL APPLICANTS TO ENSURE THAT ALL DOCUMENTATION ARE AUTHENTIC, ACCURATE AND RELEVANT TO ENROLLING AT UTT SO WE ASK FOR YOUR CO-OPERATION IN THIS REGARD. FAILURE TO COMPLY WITH THE INSTRUCTIONS PROVIDED ABOVE WILL RESULT IN PROCESSING DELAYS.**

AVIATION

Certificate in Aviation Technology (GATE Approved)

Description:

The programme is designed for new persons who wish to enter the aviation industry, primarily in the area of aircraft maintenance and support services, ground handling and ground support as well as airport ancillary operations. This certificate is also designed to provide a platform for students to articulate into higher-level aviation programmes including Diplomas and Bachelor degrees in Aircraft Maintenance and Management.

Programme Credits:

Accreditation Institution: NA

Potential Careers and Employment Opportunities

Upon graduation, candidates should be able to perform basic functions within an aviation organization, such as:

- Aircraft Trainee Technicians
- Technical Records Clerk
- Ramp Handlers
- Stores Clerk
- Technical Library Attendant
- Tool Room Attendant
- Airport Security
- Workshop Attendant

Programme Venue:

Aviation Campus, Camden and Point Lisas Energy Campus

Mode of Delivery and Duration

Full-Time: One (1) Year
Part-Time: Two (2) Years

Entry Requirements:

- Passes in at least five (5) subjects at CSEC (CXC O'Levels) General Proficiency (Grades I and/or II and from 1998, Grade III) orGCE O'Levels, which must include Mathematics, English Language and Physics; or
- Completion of the Aviation Special Admission Programme; or
- Completion of recommended courses in U-STEP - UTT's Special Tertiary Education Pathway.

In addition, all students will be required to obtain the following:

- Police Certificate of Character

Mature Student Entry

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the Programme may be accepted for special admittance as a Mature Student.

The applicant may be expected to undergo an interview process to ensure that he/she will fit the criteria for entry into the Programme.

Bachelor of Science in Aircraft Maintenance and Management (GATE Approved)

Description:

The Bachelor of Science in Aircraft Maintenance and Management, scheduled over 48 months, full-time study and requiring 144 credits for graduation, includes a full syllabus of AMEL content in either Airframe and Power plant or Avionics Modules both Fixed and Rotary wing. This programme is designed to meet the requirements of the BCAR Section L as well as being aligned with the EASA / JAR 66 Syllabi Modules.

Graduates of the Certificate in Aviation Technology programme may choose to continue their studies and training towards the attainment of an Undergraduate degree by undertaking this programme in either a Mechanical or Avionic specialisation.

Courses in Human Resource Management, Accounting, Economics, Project Management, Statistical Analysis, Entrepreneurship, Quality Control Technology, Aviation Information Systems, Airport and Airline Operations as well as Organizational Theory and Behavior, will embellish the technical content. Candidates successfully completing this programme will therefore be equipped with the requisite knowledge and competencies that will enhance their abilities as aircraft maintenance personnel, with potential as supervisors and middle managers. They will also be uniquely positioned to further their development with postgraduate studies.

Programme Credits: 144

Accreditation Institution: NA

Potential Careers and Employment Opportunities

Managerial and Supervisory Technical Positions which include:

- Aircraft Maintenance Airworthiness Engineers
- Aircraft Airworthiness Inspectors
- Line Maintenance Lead
- Heavy Maintenance Lead
- Quality Assurance Officers
- Technical Trainers
- Production Planning Officers and Managers
- Inventory and Logistics Managers and Coordinators

In addition, possible positions exist in functional airports and regulatory agencies that include:

- Ramp Operations
- Airport Safety
- Regulatory and Safety Standards
- Civil Aviation Regulatory Inspectorate.

Programme Venue	**Mode of Delivery and Duration**
Aviation Campus, Camden and Point Lisas Energy Campus	Full-Time only: Four (4) years

Entry Requirements

- Passes in at least two (2) subjects at Caribbean Advanced Proficiency Examinations (CAPE) Units 1 or GCE A-Levels, including Mathematics and Physics plus Caribbean Studies and Communication Studies or General Paper; or
- Applicants may also have a relevant NEC/NETD Technician Diploma; or
- The UTT Certificate in Aviation Technology (CAT) with a GPA of ≥ 2.75, or relevant industry experience.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Head as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Professional Entry Route:
Applicants who already possess AMEL licenses can apply for entry to the programme and complete the requisite credits in management and selected technical courses to obtain the Bachelor of Science

In addition, all participants must obtain a Police Certificate of Character to be considered for entry into the programme.

Bachelor of Science in Aeronautical and Airworthiness Engineering (GATE Approved)

Description:

The BSc. Aeronautical and Airworthiness Engineering programme offers two (2) technical areas of specialisations in fixed and rotary wing technologies:

i. Airframe and Powerplant (Mechanical)
ii. Avionics Engineering

The programme is structured to include the complete set of regulated Aircraft Maintenance Engineers (AME) courses for each area of specialisation. A key element of the programme construct is the inclusion of engineering courses grounded in mathematics, science, and design as well as ethical and environmental conscientiousness. It includes aeronautical engineering courses in structural design, materials selection, flight mechanics modelling, aircraft performance, stability and control, simulation, automation and testing of aircraft and/or components for return to service

These when combined with the regulatory technical content of the AME, will prepare graduates to function in engineering design, investigative, repair, continued airworthiness and overhaul functions in Aviation Maintenance and Air Operator Organizations.

Students will be exposed to modern workshops and live aircraft activity on the University's in house Boeing 727-200F and Sikorsky S76A++ fixed and rotary wing aircraft.

Aviation is a robust and growing industry sector that provides global reach and richness in job prospects. This programme provides students with the knowledge and skills sought after by aviation company's worldwide.

Programme Credits: 144

Accreditation Institution: NA

Potential Careers and Employment Opportunities

- **Aircraft Maintenance, Repair and Overhaul (MRO) Organisations:**

Airworthiness Inspection and Certification; Engineering Support and Liaison; Production Planning; Quality Assurance & Quality Control; Sales & Marketing of Aviation Engineering Services

- **Airlines:**

Airworthiness; Engineering support and Reliability; Planning; Quality Assurance; Operations Engineering

- **Continuing Airworthiness Management Organizations (CAMO):**

Quality Assurance; Planning; Technical Services; Reliability Monitoring and Control

- **Aircraft leasing companies:**

Technical Services; Financial and Asset Management; Asset Performance Assurance, Maintenance Management

- **Aviation Safety Regulating Authorities:**

Airworthiness Inspection; Safety Regulation Oversight; Rulemaking; Consulting

- **Maintenance Training Organizations and Aviation Education Institutions:**

Technical Instruction and Lecturing; Consulting

- **Aircraft Manufacturers** (with an Aeronautical Engineering Masters)**:**

Aircraft and Engine design and manufacturing

- **Possible Further Study:**

Graduates who wish to follow a career in aircraft design and manufacturing, or progress to a Ph.D. can apply to undertake a Master's degree in Aeronautical Engineering at many universities worldwide, which will enhance their knowledge and capabilities in key areas of aeronautical technology.

Programme Venue	Mode of Delivery and Duration
Aviation Campus, Camden and Point Lisas Energy Campus	Full-Time only: Four (4) years

Entry Requirements:

The admission requirements are in accordance with the University's Regulations for admission to undergraduate BSc. programmes and require the following:

- Caribbean Advanced Proficiency Examinations (CAPE) Unit 1 or GCE A-Levels in the following subjects: Mathematics and either Physics or any other Science subject, Caribbean Studies and Communication Studies or General Paper and CSEC (CXC O'Level) Chemistry and Physics; or
- Completion of the Certificate in Aviation Technology with a finishing GPA of 3.2 OR greater and a passing Grade in MATH 1037 for entry into the BSc AAE
- Relevant NEC Technician's Diploma; or
- Relevant NETD/HNC/HND Technicians' Diploma

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Head as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme; **or**

Professional Student Entry:
Professional student with two (2) categories of the ICAO Type II Aircraft Maintenance Engineer License may be accepted into the programme with credit exemptions for the licensure syllabi content which will be determined by a faculty committee.
Professional applicants to this programme may be granted credit exemptions based on prior certified and experiential learning in accordance with University Policy AP015: "Admission with Credit" as approved by the Board of Governors on May 01, 2015; **or**

International Student Entry:
Applicants from the global market will be evaluated on submitted qualifications and educational achievements using internationally and locally accepted evaluation of education standards through the ACTT, QAIE and UTT International office.

BIOSCIENCES, AGRICULTURE AND FOOD TECHNOLOGIES

Certificate in Food Technology (GATE Approved)

Description:
This programme was designed for persons wanting to pursue careers in the food and beverage industry. Graduates will have the ability to engage in entrepreneurial activities or enter the industry being "work-ready", highly motivated and have the knowledge base and skills relevant to the industry. New and existing employees of the food and beverage industry can acquire the technical and practical knowledge and skills for food processing, food safety and good manufacturing practices at the entry level. The programme aims to contribute to the achievement of food security and food safety in Trinidad and Tobago by focusing on the use and processing of local produce for value-added products, strengthening food and beverage organizations and their human capacity.

Programme Credits: 33

Accreditation Institution: None

Potential Careers and Employment Opportunities
Positions:

- Food Service Technician,
- Food Safety Inspector/Auditor Assistant,
- Quality Assurance Technician,
- Laboratory Technician,
- Production Attendant,
- Field/Extension Assistant,
- Packinghouse Operator,
- Kitchen Assistant.

Entrepreneurs:
Agro and Food Processors, Distributors, Small Manufacturers, Packinghouse.

Programme Venue	Mode of Delivery and Duration
ECIAF Campus	Full-Time only: One (1) year Part-Time only: One and a half (1½) years (Evening)

Entry Requirements:

- Passes in a minimum of five (5) CSEC subjects General Proficiency Level in Grades I or II and from 1998, Grade III or equivalent GCE O' Levels including Grades A, B or C inclusive of Mathematics, English Language and/ a Science Subject and/OR;
- Students who do not meet the university admission requirements above may be admitted through review/special criteria. Requirements for admission under this provision include passes in two (2) to four (4) subjects at CSEC (CXC O' Level) and/or any other qualifications deemed suitable such as CVQs, NEC and Technical Vocational certification or other evidence of potential for success. Students permitted under this criterion will receive "Provisional Acceptance with Academic Deficiencies", resulting in a placement into "introductory courses". After successfully completing the required "introductory courses", the student can then receive "Full Acceptance" to enrol into the Certificate in Food Technology.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme based on years of experience and the ability to handle the level of programme learning may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Certificate in Agriculture and Agro-Processing Technologies (NOT GATE Approved)

Description:

Formal agricultural education is critical to developing skilled practitioners who can ensure long-term food security and sustainable agricultural productivity. In Trinidad and Tobago and the wider Caribbean, agriculture development agencies and industry stakeholders have identified a growing need for trained agricultural practitioners and agro-processors with practical, technology-based skills. UTT's ECIAF campus, with over 60 years of experience in agricultural training, is well-positioned to address this need.

Developing countries such as Trinidad and Tobago face increasing food demand due to population growth while simultaneously experiencing declining natural resources for food production. This reality requires a new generation of agricultural professionals who can apply innovative technologies to improve productivity, reduce food waste, and protect natural resources.

Despite the importance of agriculture, agricultural education is becoming a less attractive career choice as many young people pursue other professions for economic security and social status. In Trinidad and Tobago, access to free post-secondary education has further reduced interest in agriculture-related careers. Additionally, entry requirements for tertiary agricultural programmes, including passes in five CSEC subjects with Mathematics and English, exclude many interested individuals who lack these qualifications.

To address these challenges, alternative pathways into formal agricultural education are necessary. Expanding access would provide opportunities for youth, low-skilled workers, and other interested persons to receive formal training in agriculture and agro-processing. The Certificate in Agriculture and Agro-processing Technologies aims to bridge the gap between TVET and tertiary education, support workforce development, and strengthen the nation's future food security.

Programme Credits: 36

Accreditation Institution: NA

Potential Careers and Employment Opportunities
Positions:

- Assistant farm and nurseries managers;
- General farm production assistant;
- Crop production field assistant;
- Livestock production assistant;
- Crop/Livestock attendant;
- Packing house production workers;
- Agriculture sales representatives;
- Agricultural foreman

Programme Venue	Mode of Delivery and Duration
ECIAF Campus	Full-Time only: One (1) year

Entry Requirements:

- Passes in at least three (3) CSEC (CXC O'Level) General Proficiency (Grades I or II and from 1998, Grade III) subjects. Agricultural Science, double award is considered as two (2) subjects.
- Persons who do not meet the admission requirements above may be admitted through review of qualifications/experiences which may be considered suitable for entry into the programme such as certificates from Youth Apprenticeship Programme in Agriculture (YAPA).

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme based on years of experience and the ability to handle the level of programme learning may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Diploma in Food Technology (GATE Approved)

Description:

This programme was designed for persons interested in pursuing an applied and career-oriented qualification to enable them to successfully engage in entrepreneurial activities or enter the job market. With its strong practical components integrated into most theoretical elements and its internship (work-based learning) programme, students gain real-world experiences leading to "work- ready" and highly skilled graduates. This programme aims to promote Trinidad and Tobago's diversification thrust by building and strengthening core competencies in the food processing and manufacturing industry at the technician level to service the food and beverage sector which employs over 11,000 persons. Its focus will position or improve the level of innovation in the industry, diagnostic, food analysis and food safety capability and maintain high-quality standards while linking primary production to secondary processing in the creation of value-added products.

Note:

- Graduates of the Diploma in Food Technology programme with **a cGPA** of **2.0** can matriculate into the B.Sc. in Food Science and Technology programme
- Applicants can also apply for special admittance to complete a standalone course/s.

Programme Credits: 75

Accreditation Institution: None

Potential Careers and Employment Opportunities

Potential Careers: <u>Positions</u>:

Food Service Technician, Food Safety Inspector/Auditor Assistant, Quality Assurance Technician, Laboratory Technician, Production Attendant, Field/Extension Assistant, Packinghouse Operator, Kitchen Assistant.

<u>Entrepreneurs</u>:
Agro and Food Processors, Distributors, Small Manufacturers, Packinghouse.

Programme Venue	Mode of Delivery and Duration
ECIAF Campus	<u>Full-Time only</u>: Two (2) years (With the Completion of the Certificate in Food Technology: One (1) year <u>Part-Time only</u>: Three (3) years (Evening) (With the Completion of the Certificate in Food Technology: One and half (1-1/2) years

Entry Requirements:

a. Passes in five (5) CSEC subjects, inclusive of Mathematics and English Language, at General Proficiency (Grades I or II and from 1998, Grade III).
   OR
b. A UTT Certificate in Food Technology
   OR
c. Students who do not meet the university admission requirements above may be admitted through review/special criteria. Requirements for admission under this provision include: passes in two (2) to four (4) subjects at CSEC (CXC O' Level) and/or any other qualifications deemed suitable such as CVQs, NEC and Technical Vocational certification or other evidence of potential for success. Students permitted under this criterion will receive "Provisional Acceptance with Academic Deficiencies", resulting in a placement into "introductory courses". After successfully completing the required "introductory courses" the student can then receive "Full Acceptance" to enroll into the Diploma in Food Technology.

Note: Applicants may be interviewed before selection.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme based on years of experience and the ability to handle the level of programme learning, may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Diploma in Animal Health, Production and Veterinary Public Health (GATE Approved)

Description:
The University of Trinidad and Tobago through the Department of Biosciences, Agriculture and Food Technologies (BAFT) / Eastern Caribbean Institute of Agriculture and Forestry (ECIAF) Campus offers a residential programme providing training in Animal Health Management, Animal Production and Veterinary Public Health. Cabinet Minute STTE (2006) 45 is an approval by Cabinet whereby current and future ECIAF's programmes are mandated to produce "young people with a practical technological tertiary level education". Graduates of this programme are 'work ready individuals' who are rapidly employed in the monitoring of animal health in the ruminant and poultry sector.

Although the Diploma in AHPVPH has been in existence for many years, this revised version brings in a new philosophy of training that seeks to embody the entrepreneurial dimension and focuses on training in the three core areas. As uncontrollable external forces continue to threaten the national food supply, the programme is well positioned to contribute to the achievement of food security in Trinidad and Tobago by filling the void in human capital within the agricultural sector.

Programme Credits: 80

Accreditation Institution: None

Potential Careers and Employment Opportunities

Graduates of the Diploma in AHPVPH Programme can obtain employment in the following areas:

Public Sector	Animal Health Assistant I Veterinary Public Health Inspector I Technical Assistants *(with the Ministry of Education)*
Private Sector	Veterinary Assistant Clinical Assistant Laboratory Assistant Technical Animal Health Assistant Quality Assurance Animal Welfare Officer Kennel Manager Extension Service Agents Livestock Technicians Animal Care Services

Programme Venue:	**Mode of Delivery and Duration:**
ECIAF Campus	Full-Time only; Two (2) years

Entry Requirements:

- Passes in five (5) subjects, inclusive of Mathematics and English Language, at CSEC (CXC O'Level) General Proficiency (Grades I or II and from 1998, Grade III). Agricultural Science double award is considered as two subjects OR
- Five (5) GCE O' Levels inclusive of Mathematics and English Language at Grades A, B or C OR
- Completion of UTT's Pre-University Programme (PUP) with a minimum of 50% in ALL attempted subject areas OR
- Successful completion of UTT Certificate in Food Technology

N.B.: All students are required to submit a medical examination and must be vaccinated against rabies, hepatitis, tetanus and yellow fever within the first year of the programme.
Applicants may be interviewed to determine suitability for the programme,

Special facilities may be made for persons with physical disabilities on a case-by-case basis, and

Applicants should note that practical training courses commence at 6.30 a.m. every morning. Dormitory accommodations are available.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme may be accepted as a Mature Student. He/She would need to possess the critical elements of the stipulated qualification and would be assessed by UTT Programme Head as possessing a combination of qualifications and educational experiential maturity to enable him/her to successfully participate in the Programme.

Diploma in Agriculture (GATE Approved)

Description:

The Diploma in Agriculture is geared towards providing sound theoretical and practical training in Animal Production, Crop Production, Agro-processing, Soil Science, Farm Business Management and many more. With its strong practical components integrated into most theoretical elements, students gain real-world experiences and practical skills through farm-laboratory exercises and visits to observe commercial farm operations. This programme is well-positioned to contribute to the achievement of food security in Trinidad and Tobago by filling the void in human capital within the agricultural sector, providing an ideal launchpad for those desirous of pursuing higher education in the field of Agriculture or engaging in entrepreneurial activities.

Programme Credits: 80

Accreditation Institution: None

Potential Careers and Employment Opportunity

Public Sector:

- Agricultural Assistant. (Ministry of Agriculture)
- Persons in this position perform various duties which include but are not limited to:
    - Agricultural Extension Officers whose main duty is to perform advisory work among farmers;
    - Plant Quarantine Officers at the main ports;
    - Station Managers at various divisions of the Ministry of Agriculture (e.g., St Augustine Nurseries);
    - Research Assistants;
    - State Land Officers.
- Agriculture Teachers at primary and secondary schools (Ministry of Education)

Private Sector:

- Technical Assistants (Ministry of Education)
- Farm and Nurseries Managers
- Credit Organizations (Agricultural) Supervisors
- Agri-business Sales Representatives
- Grounds Maintenance Supervisor
- Agri-Entrepreneur (agri-business)
- Technical Assistants
- Agricultural Project/Program Assistants

Programme Venue:
ECIAF and Tobago Campuses

Mode of Delivery and Duration:
Full-Time only; Two (2) years

Entry Requirements:

- Passes in five (5) CSEC subjects, General Proficiency Level (Grades I or II and from 1998, Grade III), inclusive of Mathematics and English Language and a science subject. Agricultural Science double award is considered as two subjects
  OR
- Five (5) GCE O' Levels inclusive of Mathematics and English Language at Grades A, B or C
  OR
- Completion of UTT's Pre-University Programme (PUP) with a minimum of 50% in ALL attempted subject areas
  OR
- Successful completion of UTT Certificate in Food Technology

Additional requirements:

- All students are required to submit a medical examination and must be vaccinated against rabies, hepatitis, tetanus and yellow fever
- Applicants may be interviewed to determine suitability for the programme

Note:

i. Special facilities may be made for persons with physical disabilities
ii. Enrolment into the programme is not limited to the availability of dormitory space
iii. Applicants should note that the courses Farming Practices I and II commence at 6.30 a.m. every morning.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Head as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Diploma in Forestry (GATE Approved)

Description:

The Diploma in Forestry is designed to provide training in the management and conservation of forests, parks, wildlife and the environment at the technical and mid-management positions. Graduates will be equipped to protect the forest from man and natural destruction by applying appropriate protection methods and enforcing forestry rules and regulations; assist in research activities and engage in entrepreneurial activities.

Programme Credits: 80

Accreditation Institution: None

Potential Careers and Employment Opportunities:

- Forest Officers
- Field Officers
- Managers & Tour Guides/Operators
- Ecotourism
- Wildlife Farming
- Education Officers
- Extension Agents
- Research Technicians/Assistants
- Non-Governmental Organisation/Community Based Organisation (NGO/CBO) Involvement
- Nursery Production for Christmas Trees, Ornamentals and Forest Trees

Programme Venues:
ECIAF Campus

Mode of Delivery & Duration
Full time: Two (2) years

Entry Requirements

- Passes in five (5) CSEC subjects, General Proficiency (Grades I or II and from 1998, Grade III) or GCE O' Levels. Must include Mathematics and English Language;
  OR
- Equivalent Qualifications will also be considered. Applicants will be assessed as possessing the equivalent qualification for entry into the programme.

Mature Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme may be accepted as a Mature Student. He/She would need to possess the critical elements of the stipulated qualification and would be assessed by UTT Programme Head as possessing a combination of qualifications and educational experiential maturity to enable him/her to successfully participate in the Programme.

Diploma in Natural Resource Management
(Not GATE Approved – Payment Plan Available ONLY for Trinidad and Tobago Nationals)

Description:
The Diploma in NRM programme reflects the University's vision of innovation, entrepreneurship and commitment through research and development and is designed to be cost effective and efficient by strategically incorporating common courses across options/specialisations. The study of NRM will prepare graduates to contribute to resource protection, reduction in global warming and associated climate change adaptation and sustainable use of resources. This programme offers students a choice of specialisations in the following four areas:

- Forestry
- Land Use Management
- Parks and Wildlife
- Water Resource Management

Programme Credits: 80

Accreditation Institution: None

Potential Careers and Employment Opportunities

Potential Careers	Areas of Employment
• Managers • Tour Guides	The Asa Wright Nature Centre/ The Wild Fowl Trust/Harry's Water Park, etc.
• Technicians	WASA/Land Management Agency
• Environmental Officers • Education Officers	The Chaguaramas Development Authority/ The Emperor Valley Zoo/WASA/EMA
• Extension Agents	Ministry of Agriculture, Land and Fisheries-Lands Division

Programme Venue:
ECIAF Campus

Mode of Delivery and Duration:
Full-Time only; Two (2) years

Entry Requirements:

Passes in five (5) subjects at CSEC subjects, General Proficiency Level (Grades I or II and from 1998, Grade III) or GCE O'. These must include Mathematics, English Language.

NB: Agricultural Science is considered as a science subject. (Agriculture Science, double award (DA) denotes a weighting equivalent to two (2) subjects)

OR

Other equivalent qualifications at UTT may be considered appropriate.

- Applicants will be assessed by the UTT Programme Head as possessing the equivalent qualification for entry into the programme.

NB: Successful applicants for the Diploma in Natural Resource Management must undergo a medical fitness exam (prescribed medical form available) and must have current Tetanus and Yellow Fever vaccines.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Head as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Diploma in Ornamental Horticulture (GATE Approved)

Description:
This programme is designed to bridge the gap in the Ornamental Horticulture industry, between professionals and labour, by preparing graduates to enter as paraprofessionals at the middle management/supervisory level. Areas of study will include Landscaping, Nursery Production and Management, Floriculture and Urban Forestry.

Programme Credits: 84

Accreditation Institution: None

Potential Careers and Employment Opportunities:
Graduates can expect to be gainfully employed as:

Entrepreneurs

- Cut flower/foliage production
- Nursery production
- Retail sales
- Interior-scaping
- Landscaping and maintenance
- Plant rentals

Mid-Level Management/Supervision

- Greenhouse Managers
- Landscape Installation/Maintenance Supervisors
- Golf Course Attendants
- Educators in Schools and Parks

Outreach
The need for extension support services has also been expressed, graduates will fill this need quite efficiently. In order to sensitize strategic stakeholders to the need for trained Ornamental Horticulture personnel and with objective of opening employment opportunities, continuous consultation with relevant stakeholders (e.g. Ministry of works and Transport, Ministry of Public Utilities and the Environment and private sector practitioners) is concluded in the administration of this programme.

Programme Venue:

- ECIAF Campus
- ECIAF Campus

Mode of Delivery and Duration:

Full Time only – Two (2) Years
Part Time/Evenings only – Three (3) Years

Entry Requirements:

Passes in five (5) subjects, General Proficiency Level in Grades I or II and from 1998 Grade III or, equivalent GCE Ordinary levels with Grades A, B or C. Must include Mathematics, English Language

OR

A Certificate in related subject area

OR

Students who do not meet the university admission requirements above may be admitted through review/special criteria. Requirements for admission under this provision include: passes in two (2) to four (4) subjects at CSEC (CXC O' Level) and/or any other qualifications deemed suitable such as CVQs, NEC and Technical Vocational certification or other evidence of potential for success. Students permitted under this criterion will receive "Provisional Acceptance with Academic Deficiencies", resulting in placement into "introductory courses". After successfully completing the required "preparatory courses" the student can then receive "Full Acceptance" to enroll in the Diploma in Ornamental Horticulture

- Students can be asked to complete a Proficiency Diagnostic Assessment

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Bachelor of Science in Agriculture and Entrepreneurship (GATE Approved)

Description:
The University of Trinidad and Tobago's academic unit, Biosciences, Agriculture and Food Technologies (BAFT) is proposing to offer a new Bachelor of Science in Agriculture and Entrepreneurship programme with options in:

- Crop Science
- Animal Science
- Agro-processing
- Agricultural Biotechnology

Students may also choose to complete a general option.

The net effect of the BSc. in Agriculture and Entrepreneurship would be to effect social change by building human capital and ultimately creating a more prosperous and transformed agricultural community.

Programme Credits: 120

Accreditation Institution: None

Potential Careers and Employment Opportunities:
Career opportunities include:

- Agribusiness Entrepreneurs
- General Agricultural Consultants
- Crop Production Specialist
- Animal Production Specialist
- Agricultural Commodity Procurement Officers
- Agricultural Sales and Marketing Agents
- Agricultural Loan Officer
- Agricultural Officers
- Farm Business Managers
- Agricultural Educators
- Agricultural extension agents.

Programme Venue:

ECIAF Campus

Mode of Delivery and Duration:

Full-Time:

Three (3) years
Two (2) years - for graduates of the Diploma in Agriculture
Two (2) years - for graduates of the Animal Health, Production and Veterinary Public Health

Entry Requirements:
Two Caribbean Advanced Proficiency Examination (CAPE) Level I and II (or equivalent) with grades 1, 2, 3 or 4 in Agricultural Science, Biology, Chemistry, or any other science related subject. Students with passes in only one of the required science courses may be accepted and required to take qualifying courses at the Diploma level. Students with passes in other subjects would be considered upon screening and may be required to take qualifying courses at the Diploma level

OR

A UTT Diploma received in the field of:

- Agricultural Engineering;
- Agriculture;
- Animal Health and Veterinary Public Health (one year);
- Animal Health, Production and Veterinary Public Health (two year);
- Food Technology;
- Forestry;
- Ornamental Horticulture.

OR

- An Associate Degree in Life Sciences or Agriculture

OR

- Any other qualifications deemed suitable such as CVQs, NEC and Technical Vocational certification

OR

- Other equivalent qualifications may be also considered by an appointed committee or Programme Professor.

Note: Applicants may be interviewed before selection.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Head as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Bachelor of Science in Food Science and Technology (GATE Approved)

Description:
This programme was designed for persons interested in pursuing a career-oriented qualification featuring industry referenced knowledge and skills to allow them to successfully engage in food-processing entrepreneurial activities or enter the food and beverage manufacturing job market. The programme aims to promote initiative, solutions and responsibility to respond to food sustainability and security needs, a matter of local and global interest. The curriculum features a range of industry-relevant courses in food safety, food processing, labelling and packaging requirements, product development and application of knowledge through an internship (work-based learning), scientific research methods and practice. Our keenly developed "work-ready" graduates will be employable at the managerial and supervisory levels, entrepreneurial or eligible for further study through developed capacity in research areas such as raw material substitution, production, processing and creation of value-added products.
Note:

- Graduates of the revised Certificate in Food Technology programme with a **cGPA** of **3.3** can be considered for entry into the B.Sc. in Food Science and Technology programme **each semester**
- Applicants can also apply for special admittance to complete a standalone course/s
- Graduates of the revised Diploma in Food Technology programme with **a cGPA** of **2.0** can matriculate into the B.Sc. in Food Science and Technology programme **each semester.**

Programme Credits: 120

Accreditation Institution: None

Potential Careers and Employment Opportunities:
Graduates can expect to be gainfully employed in the Food and Beverage Industry, Manufacturing Agencies and Research and Educational Institutions as:

- Food Scientist/Technologist
- Food Regulatory and Compliance Specialist
- Product/Market Researcher and Developer
- Packaging Specialist
- Managers, Supervisors, Consultants or Officers in:
  - Quality Assurance
  - Production and Processing
  - Sales and Marketing
  - Food and Beverage Service
  - Food Safety
- Instructor
- Research Assistant
- Lab Technician

Graduates with a B.Sc. in Food Science and Technology can also be eligible to pursue postgraduate programmes in Food Science and Technology (M.Sc. in Food Science and Technology) and research degrees (M.Phil. in Food Science and Technology) currently offered external universities.

Programme Venue:	**Mode of Delivery and Duration:**
ECIAF Campus	Full-Time only; Three (3) years – completion of UTT Diploma in Food Technology 2 years Part-Time only; Four (4) years - completion of UTT Diploma in Food Technology 3 years

Entry Requirements:

a. 2 A-levels OR CAPE I and II (Mathematics plus Physics or Chemistry), AND General Paper OR Communications Studies and Caribbean Studies plus O- Level Chemistry and O-Level Physics for all
OR
b. A Diploma or Associate Degree in related discipline from a recognized university
OR
c. A UTT Certificate in Food Technology with a cGPA of 3.3 and above and 1 year experience in the industry
OR
d. Partial fulfilment of a. (above) and/or any other qualifications deemed suitable such as CVQs, NEC and Technical Vocational certification or other evidence of potential for success.

Note: Applicants may be interviewed before selection.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme based on years of experience and the ability to handle the level of programme learning, may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

CENTRE FOR EDUCATION PROGRAMMES

Certificate in Early Childhood Care and Education (GATE Approved)

Description:
The Certificate in Early Childhood Care and Education programme is designed for persons to gain qualifications at the Certificate level, which would provide them with the required competencies to support young children's development and learning.

The programme also allows for progression from the Certificate to Degree, as students who successfully complete the Certificate programme **can matriculate and receive credit towards the** Bachelor of Education degree – Early Childhood Care and Education (ECCE) specialisation programme.

Programme Credits: 40

Accreditation Institution: NA

Potential Careers and Opportunities

- Teacher Assistants in Government ECCE Centres
- Teacher Assistants in Government Assisted (SERVOL, Denominational and Community Board) ECCE Centres
- ECCE Field Officers
- Teacher Assistants in privately-run ECCE Centres
- Self- employment/Entrepreneurs
- Any other areas of personal interests.

Programme Venues	**Mode of Delivery and Duration**
Point Lisas Campus Tamana Campus Tobago Campus	Part-Time only; One and a half (1.5) years (3 Semesters) Blended learning approach/online classes

Entry Requirements:
- Passes in a minimum of five (5) CSEC subjects (CXC O' Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Levels including Grades A, B or C inclusive of Mathematics, English Language and a Science subject;

Mature Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Head as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme

N.B. Must be in possession of a Police Certificate of Good Character *(or produce a copy of the Official Receipt for a Police Certificate of Good Character pending the submission of the certificate).*

Bachelor of Education (GATE Approved)

Description:

The Bachelor of Education programme prepares students to be the primary school teachers of tomorrow, fully equipped to guide young minds for the demands of the future. The programme is offered with the following specialisations:

Specialisations	Programme Credits	Mode of Delivery	
1) Primary Education	138	Full-Time	Part-Time
2) Special Needs and Primary Education	141	Full-Time	Part-Time
3) Early Childhood Care and Education	138	Full-Time	Part-Time
4) Technical and Vocational Education and Training (TVET) – with the following specialisations: - ▪ Electronic and Electrical Engineering ▪ Mechanical Engineering Technology ▪ Technical Drawing and Drafting ▪ Fashion and Textile Management ▪ Food and Nutrition	138		Part-Time

Programme Venues:

Point Lisas Campus
Tamana Campus
John S. Donaldson Campus
Tobago Campus

Mode of Delivery and Duration:

Full-Time Four (4) years (face -to-face); Part-Time Five (5) years (blended)
Full-Time Four (4) years (face -to-face); Part-Time Five (5) years (blended)
Full-Time Four (4) years (face -to-face); Part-Time Five (5) years (blended)
Blended Learning Approach

Potential Careers and Employment Opportunities

Primary Education	Early Childhood Care and Education – ECCE	Special Needs and Primary Education – SPED	Technical Vocational Education (Secondary)
Graduates of the programme gain careers such as: • Primary School teacher • School Administrator • Researcher Employment opportunities include: • Ministry of Education – Bachelor of Education – Primary Teacher I • Teaching positions in the private sector **Non-Teaching positions in the public as well as the private sector**	• Teachers in Government and Government assisted ECCE centres • Teachers in privately-run ECCE centres • ECCE Facilitators (Government and Government assisted ECCE centres) • Self-employment/entrepreneurs • ECCE Field Officer • Non-Teaching positions in the Public and Private Sector • Any other related areas **Any other areas of personal interest.**	• Adapted Physical Education Teachers who: - Teach a multiplicity of physical and mental skill levels. - Adapt and/or change the curriculum to fit the needs of each student. • Educational Audiologist • Interpreter for the Hearing Impaired • Therapists: Graduates are able to pursue careers as art, music, behavioral, occupational, and physical therapists. **School Counsellors**	This specialization will prepare students for Caribbean Vocational Qualifications (CVQ) competences as well as for CXC examinations in selected technical and vocational subject areas. **This specialization in Vocational and Technical Education prepares the teachers who can teach vocational and technology education courses. These teachers will teach toward the goals of vocational literacy and technological literacy.** • Private TVET jobs e.g., Dress Making • Training for TVET beginning students

Other careers

The Bachelor of Education – Special Needs and Primary Education offers a foundation that graduates have used as the basis for graduate studies towards careers such as School Psychologists, School Social Workers, Speech-Language pathologists, Special Education Administrators, and Technology specialists are other career paths that our graduates can pursue.

Self-employment is another of the options for the graduate from this programme.

Entry Requirements:

Full- time ONLY:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Levels including Grades A, B or C in Mathematics, English Language and a science subject.
- Preference will be given to persons currently employed in a school environment.

Part-Time ONLY:

- Teacher's Diploma or any other qualification from a recognized tertiary-level institution. Qualified students may apply for exemptions from equivalent courses in accordance with the University of Trinidad and Tobago student regulations (2009), Policy 015.

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Levels including Grades A, B or C in Mathematics, English Language and a science subject from among the list of Integrated Science, Biology, Physics, Chemistry, Human and Social Biology and Agricultural Science. Credits in science studies from a CAPE or a previous tertiary-level programme will be favorably considered.

- Preference will be given to persons currently employed in a school environment.

Additional Criteria for Bachelor of Education in Early Childhood Care and Education Specialisation

Early Childhood Care and Education

- Currently employed as an Early Childhood Care Assistant Teacher or Facilitator
- Must be in possession of a Police Certificate of Good Character

NB: Consideration of credit exemptions will be given to persons already possessing a Certificate in Early Childhood Care and Education.

Mature Entry:

Mature students with Associate degrees or Diplomas in related specialisations would receive favourable consideration. Also taken into consideration are:

a. Teachers who have at least three years of experience with teaching in schools, based locally, regionally, or internationally.
b. Teachers with five and more years of experience teaching at the primary level in public or private schools based locally, regionally, or internationally.

ENERGY SYSTEMS ENGINEERING

National Engineering Technician Diploma in Petroleum Engineering (GATE Approved)

Description:

The National Engineering Technician Diploma (NETD) programmes are designed to create well-rounded technicians with a strong educational foundation and industry-relevant skills and competencies. Graduates who meet the programme matriculation requirements may apply for admission into any of the UTT's Engineering Bachelor degree programmes. The NETD in Petroleum Engineering produces Technicians capable of performing effectively in all areas of the upstream petroleum industry. Graduates develop the required skills through the practical application of key concepts and principles in petroleum engineering technology. Graduates who meet the matriculation requirements may apply for BASc Petroleum Engineering on a 2+2 route which allows completion of the BASc in an additional two years. This programme is internationally accredited by the Energy Institute (EI) of the United Kingdom and the Accreditation Council of Trinidad and Tobago (ACTT).

Programme Credits: 72

Accrediting Institution: Energy Institute (EI), UK

Potential Careers and Employment Opportunities

Graduates from this programme can be employed in the following positions:

- Petroleum Engineering Technologists
- Well Test Analysts

- Well-site Geological Technologists
- Well Log Analysts
- Rig Supervisors
- Field Supervisors
- Geological, Drilling, Production and Reservoir Technologists
- Computer Application Technologists.

Programme Venue:
San Fernando Campus

Mode of Delivery and Duration:
Full-Time: Two (2) years
Part-Time: Four (4) years

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Level including Grades A, B or C in Mathematics, English Language, Chemistry (excluding Electrical/Electronic, Instrumentation, Renewable Energy Engineering Technology and Mechanical Engineering); and OR
- Completion of UTT's Pre-University Programme (PUP) or Certificate in Applied Engineering programme with a minimum of 50% in ALL attempted subject areas; OR
- Completion of UTT's Special Tertiary Education Pathway (U-STEP)
- Other equivalent qualifications may also be considered.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Bachelor of Applied Science in Energy Engineering
(First year is NOT GATE Funded. Only Years 2 to 4 are GATE Funded – Payment Plan Available for Trinidad and Tobago Nationals)

Description:
The world is undergoing an Energy Transition in which technological innovations is enabling increased utilisation of renewable energy as a means of avoiding carbon emissions which contribute to climate change. In addition, research and development across the globe is being undertaken to develop methods to reduce carbon emissions associated with oil and gas energy. As such, over the coming decades as energy developments continue to unfold, the Energy Systems Engineering Unit of the UTT anticipates that "Renewables are here to stay, but Oil and Gas are not going away".

The BASc. in Energy Engineering is designed to deliver the Energy Engineer best suited to adapt to the Energy Transition as described above. Graduates in Energy Engineering will have the unique capacity to pivot between the oil and gas and renewable energy industries. These graduates will be able to function as both Oil and Gas Energy Engineers and Renewable Energy Engineers and will be able to integrate the experience of traditional oil and gas companies as they transition to "Net Zero Carbon" in their operations. Furthermore, given the continually increases intensity of data driven processes, projects and decision making within the energy industry a core component of this programme is Data Science and Data Analytics. Overall, the programme aims to produce graduates who can:

- Produce students who are employable, and understand the fundamental principles of energy engineering so that they can successfully pursue careers as graduate engineers;
- Develop the graduate's ability to analyse open-ended problems and design solutions for Oil and Gas Energy Systems and in Renewable Energy Systems and related disciplines. This includes evaluation of associated uncertainties, risks, entrepreneurial opportunities and evaluation of societal impact;
- Promote effective oral and written technical communication skills and team building skills;
- Prepare graduates with engineering fundamentals to work effectively in industry

Specialisations:

1. Oil and Gas Energy
2. Renewable Energy

Programme Credits: 137

Accrediting Institution: Energy Institute (EI), UK

Potential Careers and Employment Opportunities:

Graduates can pursue the following careers:

- Petroleum/Reservoir/Production Engineer in Oil & Gas Companies
- Drilling/Completion Engineer in Oil & Gas Companies
- Field Engineer, above the field and Technician level, in Service Companies in the Energy Sector
- Renewable Energy Engineer in Energy Companies
- Wind/Solar Energy Systems Engineers
- Energy Specialist in Energy Systems Modelling and Optimization
- Energy Specialist in Clean Energy Production and Conversion
- Commercial Analyst
- Business Development Officer
- Energy Regulatory Officer
- Various Engineering or Technical Positions in Energy Companies

Programme Venue:
Point Lisas Campus

Mode of Delivery and Duration:
Full-Time: Three (3) or Four (4) years depending on entry qualifications
Part-Time: Six (6) or Eight (8) years depending on entry qualifications

Entry Requirements:

Students can enter the B.A.Sc. in Energy Engineering from Year 1 or skip Year 1 and immediately enter Year 2 depending on their qualifications as specified below:

Entry to Year 1

- Passes in a minimum of five O' Level subjects inclusive of: Mathematics, English Language, Physics & Chemistry (CSEC General Proficiency with Grade: I, II or III using the Six-Point Grading Scheme or equivalent)

Entry to Year 2 (Skip Year 1)

- Passes in a minimum of two (2) A' Level Mathematics and either Chemistry or Physics together with Communication Studies and Caribbean Studies (CAPE Unit 1 & Unit 2 or equivalent) plus O-level Physics and Chemistry.
- Or 2 Year Engineering Diploma (NETD or equivalent with a minimum GPA of 2.7)

Mature Student Entry

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the BASc. Energy Engineering Programme may be accepted as a mature student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the Programme.

Bachelor of Applied Science (B.A.Sc.)/Master of Engineering (M.Eng.) in Petroleum Engineering (GATE Approved)

Description:
The Master of Engineering (MEng) degree is an advanced undergraduate programme requiring four (4) years of full-time or six (6) years part- time study requiring thirty-six (36) credits per year. Students in the MEng programme have the option to exit and with a Bachelor of Applied Science (BASc) degree after earning **108 credits**. The BASc award meets the partial requirement for registration as a Chartered Engineer (CEng). The first year of study is common to all engineering programme options and is offered at the Point Lisas campus only. The MEng in Petroleum Engineering programme is internationally accredited by the Energy Institute (EI) of the United Kingdom.

The Master of Engineering (MEng) degree is a full honours engineering programme that prepares students for careers as professional engineers, locally and internationally. During the second and third years of the MEng a holistic blend of courses are offered in the following categories:

- Petroleum Geoscience
- Reservoir Engineering
- Production Engineering
- Drilling and Completions
- Petroleum Economics
- Health and Safety
- Petroleum Engineering Design Project

After completing the third year of study, student who choose to exit the programme and graduate with the Bachelors of Applied Science (BASc) will have to subsequently reapply to complete the fourth year and obtain the MEng qualification. For such students, GATE funding will no

longer be available.

During the fourth year of study, students may choose to specialize in Oil and Gas or Renewable Energy.

The MEng specialisation in **Oil and Gas** enhances our graduates with knowledge and skills in the following categories:

- Reservoir Simulation
- Advanced Drilling and Completions
- Surface and Subsea Production Operations
- Geostatistics
- Data Science for Engineering
- Brownfield Revitalization
- Contract Law and Negotiation
- Petroleum Economics and Risk Analysis
- Petroleum Engineering Research Project

The MEng specialisation in **Renewable Energy** enhances our graduates with knowledge and skills in the following categories:

- Geothermal Reservoir Engineering
- Data Science for Engineering
- Alternative Fuels
- Sustainable Energy Policy
- Petroleum Economics and Risk Analysis
- Reservoir Simulation
- Advanced Drilling and Completions
- Surface and Subsea Production Operations
- Renewable Energy Research Project

The programme consists of a combination of coursework, taught courses and project theses, with a focus on students using their initiative under direction and supervision to acquire the necessary knowledge to address upstream engineering problems. The instructional pedagogy uses Project Based Learning and Team Study.

Programme Credits :- BASc. in Petroleum Engineering: 108

Accrediting Institution: Energy Institute (EI), UK

Programme Venue:	**Mode of Delivery and Duration:**
Point Lisas Campus	BASc degree – Full-Time; Three (3) years and Part-Time; Six (6) years M.Eng degree – Full-Time; Four (4) years and Part-Time; Eight (8) years

Potential Careers and Employment Opportunities:

Graduates from the Petroleum Engineering programme can be employed in the following positions:

- Petroleum Engineer in Operating Companies
- Reservoir Engineer in Operating Companies
- Drilling Engineer in Operating Companies
- Field Engineer in Service Companies
- Above the field and Technician level.

Entry Requirements:

- A pass in CAPE I and II and/or A-level subjects: Mathematics and either Chemistry or Physics, a pass in CAPE Communication Studies and Caribbean Studies and or Cambridge General Paper plus O-level/CSEC Physics and Chemistry.
- Graduates from a 2-year Engineering Diploma Programme with a minimum GPA of 3.0 will be considered, resulting in a requirement of about three additional years of study to earn the BASc. degree after the engineering Diploma. The Diploma Programme does not

cover the detail work required for the BASc. Programme.

- Graduates from a 2-year Petroleum Engineering Diploma Programme with a minimum GPA of 3.0 will be qualified for the 2x2 (Two by Two) track or pathway into the second year of the MEng degree. Such students can exit the programme with the BASc after two years of study or complete the MEng in three (3) years of study.
- Other previous tertiary level qualifications will be considered, and any additional academic upgrading courses required to enter the programme will be identified.

Mature Student Entry to the BASc in Petroleum Engineering:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

FINAL YEAR direct entry to the M.Eng in Petroleum Engineering:

- Satisfaction of all requirements for the BASc. in Petroleum Engineering (108 credits) is required for continuation into the 4th year of the MEng in Petroleum Engineering
- Graduates with the BASc in Petroleum Engineering can apply for the MEng in Petroleum Engineering up to five (5) years after graduation.
- There shall be no Mature Student entry status for direct entry into the final year of the MEng in PetroleumEngineering.

Programme Credits: MEng in Petroleum Engineering: 144
(An additional 36 credits to the 108 in the B.A.Sc. in Petroleum Engineering).

FASHION

Diploma in Fashion Design with Option in Fashion Management (GATE Approved)

Description:
The Diploma in Fashion Design with Option in Fashion Management programme will be delivered via evening and Saturday classes. It is ideally suited for individuals who are already involved in the industry but are interested in furthering their knowledge of fashion design, improving existing skills or acquiring new ones. Students gain invaluable technical skills for entry-level jobs in the local fashion industry. Upon successful completion of the Diploma in Fashion Design programme, students may be eligible to pursue the Bachelor of Fine Arts in Fashion Design programme.

Programme Credits: 72

Accreditation Institution: NA

Potential Careers and Employment Opportunities

- Technical Designer
- Production Assistant
- Dressmaker's Assistant
- Trend Researcher
- Fashion Marketer
- Machine Operator (presser, stitchers)

Programme Venue:
John S. Donaldson Campus

Mode of Delivery:
Full-Time: Two and a half (2 ½) years

Entry Requirements:

- Passes in a minimum of five (5) subjects including Mathematics and English Language at CSEC (CXC O'Level) General Proficiency level in Grades I or II and from 1998 Grade III or, equivalent GCE Ordinary levels with Grades A, B orC.

Additional Requirements (Design Option)

- A letter stating why the applicant desires to study fashion; a self-portrait drawn from a mirror; and a submission of 10 drawings illustrating ten (10) garments for a man or woman travelling to Tobago on vacation.

Additional Requirements (Management Option)

- A letter stating why the applicant desires to study fashion management. Also, choose two advertisements of fashion products; one you determine to be effective, the other, less persuasive. Write a five hundred (500) word essay as to why you believe one is more effective than the other.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Bachelor of Fine Arts in Fashion Design (GATE Approved)

Description:

The Bachelor of Fine Arts in Fashion Design is an idea-driven, craft-based course of study that emphasizes design concepts and skill development. The curriculum will cover all areas encountered in a professional designer's workroom including Fashion Design Concepts and Illustration, Collection Planning, Pattern Drafting and 3-D Draping Techniques, Digital Imaging, Textile Arts and Entrepreneurship.

Programme Credits: 144

Accreditation Institution: NA

Potential Careers and Employment Opportunities

- Designer (accessories, clothing, shoes, speciality)
- Fashion Educator/ Teacher
- Technical Designer
- Fashion Consultant
- Event Coordinator

Programme Venue:
John S. Donaldson Campus

Mode of Delivery and Duration:
Full-Time; Four (4) years
Part-Time; Two (2) years **N.B. Only persons who have completed the Diploma in Fashion Design with Fashion Management Option can gain direct entry into the 3rd year of the 4-year BFA programme**

Entry Requirements:

- Passes in two (2) CAPE subjects (Units 1 and 2) or GCE A' Level subjects;
- Applicants must also possess a minimum of three (3) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Levels including Grade A in Mathematics and English Language;
  OR
- Successful completion of the CAFD Diploma in Fashion Design programme or related studies.

ALL applicants are required to also submit the following along with the application:

- A letter of intent stating why you desire to study Fashion. This exercise helps the admission panel identify those individuals who are serious about pursuing a career in Fashion Design;
- A self-portrait drawn from a mirror; AND
- A portfolio submission of ten (10) drawings illustrating ten (10) garments for a man or woman travelling to Tobago on vacation. The limited number of spaces and the high demand for this programme necessitates selecting the best potential students who are best suited for this discipline. Thus, the portfolio and essay submission are instrumental in helping the admissions panel evaluate the level of interest and dedication of applicants, as well as their natural creativity.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

INFORMATION AND COMMUNICATION TECHNOLOGY

Diploma in Computer, Network and Telecommunication Engineering (GATE Approved)

Description:
The Diploma in Computer, Network and Telecommunication Engineering programme aims to produce graduates who are industry ready and capable of evolving with the changes in information and communication technologies. Students learn best practices in Installation, Configuration and Maintenance of Communication Networks and Computer devices. Graduates may be eligible for direct access to any of UTT's engineering bachelor degree programmes.

Programme Credits: 72

Accrediting Institution: Institution of Engineering and Technology (IET), UK

Potential Careers and Employments Opportunities
Networking:

- Network Technician
- Trainee Network Administrator
- Deployment Technician
- Network Support Technician at banks, insurance companies, utility companies, energy-based companies, universities, broadcast houses, government
- Networking Support Technician for government offices, police and army, court system, school laboratory technician
- Trainee Network Analyst
- Desktop Support Technician
- Local Area Network (LAN) Administrator
- Networking Sales and Marketing Specialist
- Owner/Manager small computer business
- Other Entrepreneurial activity

Telecommunication:

- Entry level Technician at Telephone/ Internet Service Providers
- Cable Technician
- Associated Field Engineer
- Communication Equipment Installer
- Communication Sales and Marketing Specialist

Programme Venues:
John S. Donaldson and San Fernando Campuses

Mode of Delivery and Duration:
Full-Time; Two (2) years and Part-Time; Four (4) years

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Levels including Grades A, B or C in Mathematics, English Language; (Passes in CXC (CSEC) Chemistry and Physics will be an asset) OR
- Completion of UTT's Special Tertiary Education Pathway (U-STEP), Certificate in Applied Engineering (CAE) and Pre-University Programme (formerly Pre-Engineering Programme) with 50% in ALL attempted subject areas OR other equivalent Qualifications may also be considered; OR
- Other equivalent qualifications may also be considered.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may

be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Head as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

To be considered for mature entry into the programme the following criteria will be used:

1. Age (At least 25 years of age)
2. Relevant Work Experience (At least 5 years work experience in the field)
3. Pass in Mathematics (Must possess CXC/ CSEC (or equivalent) pass in Mathematics)

Diploma in Software Engineering (GATE Approved)

Description:

The Diploma in Software Engineering programme provides a platform for employment that utilizes computer hardware, software and networking technologies. Graduates develop skills in Programming, Database Management, Software Application Development, Web Application Development, and Software Application Security. Graduates may be eligible for direct access to any of UTT's Engineering Bachelor degree programmes. This programme is accredited by the Institution of Engineering and Technology (IET) on behalf of the Engineering Council for the purposes of partially meeting the academic requirement for registration as an Incorporated Engineer.

Programme Credits: 72

Accrediting Institution: Institution of Engineering and Technology (IET), UK

Potential Careers and Employment Opportunities

- Application Helpdesk Analyst
- Database Designer
- User Support Technician
- Software Tester
- Systems Analyst
- Web Developer
- Technology Analyst
- Software Project Management
- Database Administrator
- Junior Software Development Engineer
- Programmer/Analyst
- Instructional Designer
- E-Learning Technical Assistant
- ICT Laboratory Technician
- ICT Research Assistant

Programme Venues:

John S. Donaldson and San Fernando Campuses

Mode of Delivery and Duration:

Full-Time; Two (2) years and Part-Time; Four (4) year

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Level including Grades A, B or C in Mathematics, English Language; OR
- Completion of UTT's Pre-University Programme (PUP) or Certificate in Applied Engineering programme with a minimum of 50% in ALL attempted subject areas; OR
- Other equivalent qualifications may also be considered.
- CompTIA, Microsoft, MIT Online courses and IBM certifications will be acknowledged for

entry. NB: Passes in CSEC (CXC O'Level) Additional Mathematics and Physics will be an asset.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

To be considered for mature entry into the programme the following criteria will be used:

1. Age (At least 25 years of age)
2. Relevant Work Experience (At least 5 years work experience in the field)
3. Pass in Mathematics (Must possess CXC/ CSEC (or equivalent) pass in Mathematics).

Diploma in Visual Communications Design (GATE Approved)

Description:

The Diploma in Visual Communications Design programme focuses on the specialised competencies necessary to create optimum visual solutions for Advertising, Corporate Identity, Illustration, Publications, Packaging, Web Design, photography, and associated practices in today's dynamic design markets. The primary objective of the programme is to develop and master the conceptual skills that distinguish top managers, directors and designers and prepare the students for creative problem solving which enables them to convey a client's message in an imaginative, visually arresting way regardless of the selected media.

Programme Credits: 72

Accrediting Institution: NA

Potential Careers and Employment Opportunities

The courses undertaken in this programme are tailored to fit the wide-ranging positions and requirements of the advertising and visual communications industry.

The diverse ranges of career options available to graduates include: Graphic Designer, Web Designer, Package Designer, Illustrator, Editorial Designer, Fabric Designer, Photographer, Art Director, Advertising Director, Designer for Outdoor and Transit Advertising, Creative Director, Corporate Identity Designer and positions to suit the following areas: -

- Advertising Design:
  - Print
  - Television
  - Outdoor
  - Transit
  - Point of purchase
  - Specialty items
- Integrated Marketing Communications
- Package Design
- Web Site Design
- Illustration
- Greeting Card Design
- Editorial Design:
  - Newspaper, Magazine, Book, Brochure
- Set Design
- Fabric Design
- Corporate Identity Design:
  - Identity marks (logos), Stationery systems, Signage/Environmental graphics, etc.
- Symbol and Pictograph Design

Programme Venue	**Mode of Delivery and Duration**
John S. Donaldson Campus	Full-Time; Two and a half (2 ½) years and Part-Time; Three and a half (3 ½) years

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Level including Grades A, B or C in Mathematics, English Language, and Art.
- Other equivalent qualifications may also be considered.

Applicants must be highly motivated persons from a variety of backgrounds with a sound secondary education and a strong aptitude in Art who wish to acquire the skills necessary to successfully pursue careers in today's design environment

Additional Requirements:

A portfolio submission, which demonstrates evidence of creative/artistic aptitude for candidates selected to attend the interview stage of the evaluation process.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Head as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Bachelor of Applied Science in Computer Engineering (GATE Approved)

Description:

The Bachelor of Applied Science in Computer Engineering is a full honours engineering programme that prepares students for careers as professional IT specialists, locally and internationally. The first year and first semester of the second year of the programme are common to all three options. Students begin their specialisation in the second semester of the second year of the programme. The programme options are as follows:

- Software Engineering
- Network and Telecommunication Engineering

This programme is accredited by the Institution of Engineering and Technology (IET) on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as an Incorporated Engineer and partly meeting the academic requirement for registration as a Chartered Engineer.

Programme Credits: 93

Accrediting Institution: Institution of Engineering and Technology (IET), UK

Potential Careers and Employment Opportunities

Graduates can be employed in the following positions:

- Database Designer and Developer
- Systems/Program Analyst
- Software Engineer/Developer
- Software and Hardware Tester
- Network Designers/Analysts
- Computer and Network Security Specialist
- Wireless, Fibre and Broadband Communications Engineers/Specialists
- Project Managers in ICT
- Project / Team Leader in ICT
- Information Technology Officer
- Education and Research in ICT
- Application / Web Developer
- Artificial Intelligence developer
- IT support specialist
- Cyber Security Analyst
- Teacher (Secondary)

Programme Venue	**Mode of Delivery and Duration**
Point Lisas Campus	Full-Time; Three (3) years and Part-Time; Four and a half (4 1/2) years

Entry Requirements:

- Must have a pass in 2 A' Level or CAPE Units I and II subjects inclusive of Mathematics, Physics and General Paper; OR Caribbean Studies and Communication Studies.
- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Levels including Grades A, B or C in Mathematics, English Language, Chemistry and Physics;OR.
- Relevant NEC Technician Diploma OR
- Relevant NETD/HNC/HND Technician Diploma OR
- First Year BSc Natural Science Degree OR
- Relevant Associate degree in related field OR
- Relevant Advanced Diploma in a related field

Mature Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

MARINE SCIENCES

Bachelor of Science in Coastal and Ocean Management (GATE Approved)

Description:

The Bachelor of Science in Coastal and Ocean Management (COM) programme emphasizes the value of research to students' achievement of academic excellence as well as its contribution to the development of marine resource management strategies and policy. The BSc in COM programme reflects the University's vision of innovation, entrepreneurship and commitment through research and development and aims to mirror world standards by ensuring students receive continuous quality education. The programme is built to be one of the best in the world. The programme emphasizes the connection between the marine environment and sustainable marine resource management to ensure a stable economy with an emphasis on healthy ecosystems, sustainable tourism and food security.

Programme Credits: 124 - 134

Accreditation Institution: Institute of Marine Engineering, Science and Technology (IMarEST)

Potential Careers and Employment Opportunities

Potential Careers	Employment Areas
Marine Biologist / Ecologist	Institute of Marine Affairs (IMA), Coastal Dynamics Ltd. (CDL), Environmental Management Authority (EMA), tertiary education, NGOs/CBOs, Wildlife Division, Division of Natural Resources and Environment (DNRE), Fisheries Division, Caribbean Fisheries Training and Development Institute (CFTDI)
Fisheries Biologist /Officer	Fisheries Division, IMA, CDL, EMA, tertiary education, NGOs/CBOs, Wildlife Division, CFTDI
Aquaculturist	Fisheries Division, Self-Employment, CFTDI, tertiary education
Marine Conservation Officer	Fisheries Division, Wildlife Division, NGOs/CBOs, Energy Sector, Ministry of Planning and Development, CFTDI
Marine Protected Area Manager	EMA, NGOs, CBOs, DNRE, Ministry of Planning and Development, CFTDI
Coastal Zone Manager	Ministry of Works and Transport Coastal Protection Unit, DNRE, EMA, NGOs, CBOs, IMA, Ministry of Planning and Development, local and international consultancy agencies
Marine Environmental Consultant	EMA, IMA, NGOs, CBOs, DNRE, Ministry of Planning and Development, CFTDI, energy sector, local and international consultancy agencies
Marine Spatial Planner	EMA, Ministry of Planning and Development, DNRE, CDL, NGOs/CBOs, local and international consultancy agencies
Protected Species Observer	NGOs, CBOs, local and international consultancy agencies

Programme Venue:

Centre for Maritime and Ocean Studies, Chaguaramas Campus

Mode of Delivery and Duration:

Full-Time only: Four (4) years

Entry Requirements:

- Two (2) GCE 'A' Level passes or two (2) passes at CAPE 1 (in Chemistry, Biology or Geography, and one of the following: Physics, Mathematics, Geography, Environmental Science, or similar discipline) and Communication Studies or Equivalent; OR
- Diploma or any other qualification from a recognized institution and experience within Environmental Science, Biology/ Marine Biology, or similar discipline

Additional requirements for the BSc. in COM are:

- All applicants should have general computer skills and a familiarity with a Windows platform. Experience with MS Excel (or equivalent) and/or databases will be an asset.
- Ability to swim and snorkel by the start of Year 2.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme, based on years of experience and the ability to handle the level of programme learning, may be given provisional acceptance as a mature student. The applicant would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Professor/Leader as possessing a combination of qualifications and educational or experiential maturity to gain full acceptance that would enable him/her to successfully participate in the programme.

For the application review process, the Programme Professor/Leader will seek the following criteria:

- Evidence of the student's ability to study at the required level
- Evidence of relevant years of experience or interest in relation to the subject.

Additionally, if necessary mature students will be directed to participate in foundation courses that provide additional background in a specific area of deficiency, in order to provide the student with the time and experience to build the required academic base.

Diploma in Coastal and Ocean Sciences (GATE Approved)

Description:

The Diploma in Coastal and Ocean Sciences programme is a two-year Full-Time or three-year Part-Time programme requiring a minimum of 68 credits for graduation which include an Internship (Internal and Industry) worth 5 credits. The Diploma in Coastal and Ocean Sciences programme is designed to provide students with the knowledge and skills needed to pursue a career in marine science and the management of coastal and marine resources. The Diploma in Coastal and Ocean Sciences programme reflects the University's vision of innovation, entrepreneurship and commitment through research and development. The programme emphasizes the connection between the marine environment and sustainable marine resource management in ensuring a stable economy with an emphasis on healthy ecosystems, sustainable tourism, and food security. Students of the Diploma in Coastal and Ocean Sciences programme can develop the knowledge and expertise to prepare for new and exciting career paths in marine science as well as in the practical approach to managing marine and coastal resources. Additionally, the programme makes a strong connection between the ocean and coastal communities and charts an authentic course for using research as a tool for personal and social development.

Programme Credits: 68

Accreditation Institution: NA

Programme Venue: Chaguaramas Campus

Mode of Delivery and Duration:

- The programme will be offered online, face-to-face or blended
- Full Time; Two (2) year and Part Time; Three (3) years

ENTRY REQUIREMENTS:

- Passes in at least five (5) CSEC subjects General Proficiency (Grades I, II and from 1998 Grade III) or passes at GCE Ordinary Levels, which must include Mathematics, English Language, and any two of the following: Geography, Integrated Science, Human and Social Biology, Chemistry, Biology, Physics.

  OR

  Completion of a Certificate in Food Technology

  OR

  Completion of the Certificate in Applied Engineering (CAE).

- Mature Student Entry

  An applicant who does not satisfy the entire stipulated minimum academic or technical qualifications for admission to a programme based on years of experience and the ability to manage the level of learning, may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the Programme Teaching and Learning Committee as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the Programme (e.g., paraprofessionals).

- Additional programme requirements for the Diploma in Coastal and Ocean Sciences are:
  - All applicants should have general computer skills and a familiarity with the Windows platform. Experience with MS Excel (or equivalent) and/or databases will be an asset.
  - It is recommended that students are able to swim and snorkel by the start of Year 2.

MARITIME

Diploma in Maritime Operations – Engineering (GATE Approved)

Description:

The Diploma in Maritime Operations – Engineering was developed to provide the "Knowledge, Understanding and Proficiency (KUP)"; education and training required for candidates wishing to begin a career in Marine Engineering as an Engineer Officer (Operational level) in the Merchant Navy. It is a requirement of the International Maritime Organization (IMO) that merchant vessels are operated by seafarers issued with "Certificates of Competency" (CoC). The programme also intends to provide candidates with a university-based education leading to the award of a Diploma in Maritime Operations – Engineering. This will form the basis of study for progression to degree level studies; in particular, the BSc. Nautical Science/Maritime Operations offered by the university.

Programme Credits: 72

Accrediting Institution: Maritime and Coastguard Agency (MCA), UK

Potential Careers and Employment Opportunities

- **3rd Engineer Officer** in the Merchant Navy, responsible for engine room operations and maintenance aboard vessels

- With further experience and qualifications, graduates can progress to higher ranks such as 2nd Engineer or Chief Engineer, advancing their careers in maritime engineering and ship management.

Programme Venue:
Centre for Maritime and Ocean Studies, Chaguaramas

Mode of Delivery and Duration:
Full-Time only; Two years (2)

Entry Requirements:

- Five (5) CSEC subjects, General Proficiency Level in Grades I or II OR Grade III after 1998,
- Five (5) GCE O' Level including Grades A, B or C
- Certificate from recognized institution must include Mathematics, English A (English Language), Physics and an appropriate Science based subject (Chemistry, Integrated Science OR Additional Mathematics).

Additionally:

- Medical fitness and eyesight requirements (for candidates wishing to pursue a career at sea)

Mature Student Entry:
Mature students with appropriate industrial experience are to be particularly encouraged to apply for admission to the programme. It is envisaged that many mature students will already have sea going experience and support level qualifications and will be keen to obtain an internally recognized certificate of competence at the operational level. Mature students not in possession of the prerequisite qualifications may be accepted to the programme at the discretion of the Programme Leader.

Diploma in Maritime Operations – Navigation (GATE Approved)

Description:

The Diploma in Maritime Operations – Navigation was developed to provide the "Knowledge, Understanding and Proficiency (KUP)"; education and training required for candidates wishing to begin a career in Merchant marine as an Officer of the Watch (Operational level) in the Merchant Navy. It is a requirement of the International Maritime Organisation (IMO) that merchant vessels are operated by seafarers who hold 'Certificates of Competency' which attest to their competence at the level or rank for which they are employed.

Programme Credits: 72

Accrediting Institution: Maritime and Coastguard Agency (MCA), UK

Potential Careers and Employment Opportunities

- **3rd Navigation Officer** in the Merchant Navy, responsible for bridge watchkeeping operations aboard vessels
- With further experience and qualifications, graduates can progress to higher ranks such as Chief Officer and Captain, advancing their careers in maritime navigation and ship management.

Programme Venue:	**Mode of Delivery and Duration:**
Centre for Maritime and Ocean Studies, Chaguaramas	Full-Time only; Two years (2)

Entry Requirements:

- Five (5) CSEC subjects, General Proficiency Level in Grades I or II OR Grade III after 1998,
- Five (5) GCE O' Level including Grades A, B or C
- Certificate from recognized institution must include Mathematics, English A (English Language), Physics and an appropriate Science based subject (Chemistry, Integrated Science OR Additional Mathematics).

Additionally:

- Medical fitness and eyesight requirements (for candidates wishing to pursue a career at sea) equivalent to the UK medical fitness certificate, currently known as an ENG 1, issued by an MCA-approved medical practitioner.

Mature Student Entry:

Mature students with appropriate industrial experience are to be particularly encouraged to apply for admission to the programme. It is envisaged that many mature students will already have sea going experience and support level qualifications and will be keen to obtain an internally recognized certificate of competence at the operational level. Mature students not in possession of the prerequisite qualifications may be accepted to the programme at the discretion of the Programme Leader.

Bachelor of Science in Nautical Science\Maritime Operations (GATE Approved)

Description:

The Maritime Industry is identified as one of the pillars for economic growth in Trinidad and Tobago is expanding.The continued growth of this industry has signalled the need for UTT to provide industry-wide maritime knowledge and experience to students. This B.Sc. is targeted to those who wish to pursue a career in the shore-based Maritime Industry.

Programme Credits: 120

Accrediting Institution: Institute of Marine Engineering Science and Technology (IMarEST), UK

Potential Careers and Employment Opportunities

Graduates can pursue the following careers:

- Marine Superintendents
- Marine Coordinators
- Port and Terminal Operators
- Harbour Master Support
- Marine Surveying
- Freight forwarding
- Vessel Traffic Management
- Cargo Planner
- Compliance Officers
- Entrepreneurial activities related to the provision of maritime business services

Programme Venue:	**Mode of Delivery and Duration:**
Centre for Maritime and Ocean Studies, Chaguaramas	Full-Time only; Four (4) years

Entry Requirements:

- Passes in CAPE Communication Studies and Caribbean Studies; AND Two (2) A-Level passes in CAPE Level I
- Diploma in Maritime Operations - Navigation or Diploma in Maritime Operations - Engineering OR STCW 95 Certificate of Competency at Operational; OR
- National Engineering Technician Diploma

MECHANICAL ENGINEERING, MANUFACTURING & ENTREPRENEURSHIP

Certificate in Applied Engineering (GATE Approved)

Description:
The Certificate in Applied Engineering (CAE) programme is designed for persons who are interested in qualifying for entry into the UTT engineering diploma programmes. It is intended to provide secondary school students who do not have a full CSEC (CXC O' Level) or GCE O' Levels certificate, persons who hold a full craft or pre-technician certificate and mature students, an entry route to embark upon a career in engineering. CAE is also a terminal qualification, for those who do not wish to continue for the Diploma.

Programme Credits: 36

Accreditation Institution: NA

Potential Careers and Employment Opportunities

- Technician/craftsman assistants in the world of work
- Employ themselves domestically or as small entrepreneurs
- Operator trainees or apprentices.

Programme Venues:
San Fernando and John S. Donaldson Campuses

Mode of Delivery and Duration:

- Full-Time: One (1) year, (Two (2) semesters)
- Part-Time: Two (2) years, (Four (4) semesters)

(However, depending on student enrollment at any campus and/or availability of infrastructure (instructors and laboratory) decisions may be taken to discontinue the programme at any campus during an academic year and offer students the choice to be admitted at an alternative campus available).

Entry Requirements:
. Passes in a minimum of three (3) subjects:

- CSEC (CXC) General Proficiency level in Grades I or II and from 1998, Grade III or GCE O'Levels including Grades A, B or C or equivalent in Mathematics, English Language and a Science subject (Physics or Chemistry or Integrated Science) or Technical Drawing or Additional Mathematics or Industrial Technology.
- Persons possessing Full Craft/Pre-Technician certificates such as the National Examination Council (NEC) and the Trinidad and Tobago National Vocational Qualification (TTNVQ) with Mathematics, English Language and a Science subject (Physics or Chemistry) or Technical Drawing or Industrial Technology.
- Other suitable combination of qualifications and/or experience will be considered.

Mature Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme, based on years of experience and the ability to handle the level of programme learning, may be accepted as a mature student. The applicant would need to possess the critical elements of the stipulated qualification and would be assessed, by the UTT Programme Leader or designate, as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

National Engineering Technician Diploma in Mechanical Engineering (GATE Approved)

Description:
The National Engineering Technician Diploma (NETD) programmes are designed to create well-rounded technicians with a strong educational foundation and industry-relevant skills and competencies. Graduates who meet the programme matriculation requirements may apply for admission into any of the UTT's Engineering Bachelor degree programmes. The NETD in Mechanical Engineering programme offered by The University of Trinidad and Tobago is designed to produce Engineering Technicians capable of performing

effectively in a variety of industrial jobs. These include inspecting machinery, plant engineering, manufacturing, design and drafting, maintenance activities and various technical services in industries. Graduates develop the required skills through the practical application of key concepts and principles in mechanical engineering, such as: fluids, design, strength of materials, manufacturing, plant machinery, maintenance and controllers

Programme Credits: 85

Accreditation Institution: The Institution of Engineering and Technology (IET), UK

Potential Careers and Employment Opportunities
Graduates from this programme can be employed in the following positions:

- Process Plant Operators
- Mechanical Draughtsman
- Maintenance Technicians
- Maintenance Planning Coordinators
- Mobile Equipment Technicians
- Plant and Equipment Performance Evaluators
- Environmental, Health and Safety Technicians
- Technical Estimators
- Technical Sales Specialists
- Air Conditioning & Refrigeration Technicians
- Automotive Technicians

Programme Venue:
San Fernando Campus, John S. Donaldson Campus and Point Lisas Campus

Mode of Delivery and Duration:
Full-Time: Two (2) years
Part-Time: Three (3) years

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Level including Grades A, B or C in Mathematics, English Language, Physics OR
- Completion of UTT's Pre-University Programme (PUP) or Certificate in Applied Engineering programme with a minimum of 50% in ALL attempted subject areas; OR
- Other equivalent qualifications may also be considered.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Bachelor of Applied Science (BASc) In Manufacturing and Design Engineering (GATE Approved)

Description:

The Bachelor of Applied Science (BASc) degree is a full honours engineering programme that prepares students for careers as professional engineers, locally and internationally. (Accredited by IET) The student will be trained in the various aspects of manufacturing and design such as materials, product design, automation, production, instrumentation and operations management. Manufacturing and Design engineers have to deal with various aspects of processes to produce a variety of products requiring innovation in product development, use of sophisticated machines (computer or robot-controlled), computer aided-aided modelling, lean manufacturing systems, sustainability and economic feasibility, entrepreneurship and marketability. The students will therefore be required to develop skills in a variety of industrial processes.

Programme Credits: 109.5

Accreditation Institution: The Institution of Engineering and Technology (IET), UK

Potential Careers and Employment Opportunities:
The Bachelor of Applied Science in Manufacturing and Design Engineering programme was established to meet the deepening and widening need of the manufacturing base in pursuance of diversification away from the country's heavy dependence on revenues from oil and gas. The programme emphasises entrepreneurship, innovation and multidisciplinary research in product development

Graduates from the Manufacturing and Design Engineering programme can be employed in the following positions: Upon completion of the programme, graduates should possess skill-sets to function as:

- Plant Managers
- Manufacturing Engineers
- Operations Managers
- Product Designers and Developers
- Production Planners
- Plant Layout and Resource Managers
- Entrepreneurs
- Business Development Specialists

Programme Venues:
Point Lisas Campus

Mode of Delivery and Duration:

- Full-Time: Three (3) years
- Part-Time: Six (6) years

Entry Requirements:

The admission requirements are in accordance with the University's regulation for admission to undergraduate BASc. Programmes require the following:

- Caribbean Advanced Proficiency Examinations (CAPE) Levels 1 and 2 or GCE A-Levels in following subjects: Mathematics and either Physics or Chemistry, Caribbean Studies and Communications Studies or General Paper and CSEC/CXC O'Level Physics and any Other science subject would be an asset (not mandatory); OR
- Relevant NEC Technician's Diploma; OR
- Relevant NETD/HNC/HND Technicians' Diploma.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

PERFORMING ARTS

Advanced Pan Fellowship Certificate (GATE Approved)

Description:
This programme offers students a unique opportunity to study steelpan in its birthplace of Trinidad and Tobago. Each student will be offered a gesture of leadership and inclusion to the worldwide steelpan community, and this will fall within the development phase of the National Steelpan Development. UTT is poised to be the nexus of global steelpan education that supports the advancement of the cultural and creative industries.

Programme Credits:

30

Accreditation Institution: NA

Programme Venue:

- National Academy for the Performing Arts (NAPA), Port of Spain

Mode of Delivery and Duration

- Full-Time only;
- Two (2) Semesters (January to July)

Potential Careers and Employment Opportunities include:

- Steelband arrangers, composers;
- Drill masters
- Steelband captains/managers;
- Performers;
- Steelpan tuners;
- Researchers and historians of steelpan culture;
- Cultural activists.

Entry Requirements:

Applications will be invited from those already in a recognised programme of study in Trinidad and Tobago, the Caricom region or internationally. Application will also be open within the Advanced Fellowship programme to those who demonstrate advanced proficiency in steelpan and/or percussion and hold position or authority in the music industry wheresoever they may be based.

Essential:
Demonstrable musical proficiency at advanced level; Fluency in English, written and spoken.
Functional numeracy.

- Entry is via competitive audition plus diagnostic test (English, Math and Music Literacy)
- An Interview (*The following requirements apply to ALL applicants)*

Details can be found under the Auditions tab on the APA website: https://utt.edu.tt/?wk=71&page_key=1435

Bachelor of Fine Arts in the Performing Arts (GATE Approved)

Description:
The Bachelor of Fine Arts (BFA) in the Performing Arts is a full-time four-year programme of multidisciplinary study for those aspiring to a career in the Performing Arts or in Arts Education. The aspiring artist will have the opportunity to experience a range of courses in Acting, Dance, Technical Theatre Design and Music. Building on a foundation of common and core courses in performance, culture and entrepreneurship, students engage in courses from across the programme to create an educational and artistic pathway that incorporates a combination of studio exploration, practical rehearsal projects and staged theatrical presentations.
Students are introduced to a range acting theories and techniques in Theatre History, Script Analysis and Play Directing. In addition, they will also experience a diversity of dance styles including Classical Ballet, Classical Indian, Modern and Contemporary forms, while placing emphasis on Caribbean Folk Dance and a Caribbean aesthetic. Furthermore, students get the opportunity to explore wide-ranging techniques which develop strong body-awareness, vocal skills and imagination.
Each of the four academic years is divided into two semesters, with a Production and Performance period at the culmination of each year. BFA students enjoy:

- An innovative programme of full-time intensive study.
- Excellent teaching and mentorship by active professionals in their field of study.
- Diverse exposure within a stimulating multidisciplinary environment.
- Regular high-level performance opportunities.

Having earned the required 120 credits, students will be awarded a Bachelor of Fine Arts degree in the Performing Arts. Each student will be mentored by a faculty member throughout the programme of study, up to and including a 12-credit Capstone project in the final year.
A graduate of the BFA in the Performing Arts programme will be a confident artist, equipped with the skills and mind set to succeed in the Creative Industries. Carefully designed Education courses within programme help students prepare for careers in classroom teaching.
Interested applicants should contact APA via the APA website: www.u.tt/apa to arrange an audition/interview. The audition requirements can be found under the Auditions tab.

Programme Credits: 120

Accreditation Institution: NA

Programme Venue:

- National Academy for the Performing Arts (NAPA), Port of Spain

Mode of Delivery and Duration

- Full-Time only; Four (4) years

Potential Careers and Employment Opportunities include:

- Performing Arts entrepreneurs in self-employment carrying a portfolio of projects
- Cultural Academics and Arts educators
- Performers for Productions/Events (locally, regionally and internationally); Actors, Dancers, Musicians, Calypsonians
- Producers: Music; Theatre
- Theatre Designers, Lighting Designers, Set Designers, Costume Designers, Sound Designers.
- Technicians, Production Managers, Arrangers and Directors
- Recording Artists
- Community Engagement Practitioners (Teaching Artists)
- Choreographers
- Artistic Directors
- Arts Managers
- Event Coordinators

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O' Level) General Proficiency level in Grades I or II and from 1998, Grade III or equivalent GCE O' Levels including Grades A, B or C in Mathematics and English Language; OR
- A Diploma in a relevant subject area from a recognized institution.

The following requirements apply to ALL applicants:

A Competitive Audition/Interview

Details can be found under the Auditions tab on the APA website: www.u.tt/apa

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Head as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the Programme.

Bachelor of Fine Arts in the Performing Arts with Specialisation in Music (GATE Approved)

Description:

The Bachelor of Fine Arts (BFA) in the Performing Arts is a full-time four-year programme for those aspiring to a career in the Performing Arts or in Arts Education. In the Music Specialisation students interact with some of the finest musicians in Trinidad and Tobago and learn a broad range of performing and pedagogical skills. Graduates of this programme specialisation have embarked on careers not only as performers, composers and arrangers, but also as instrumental instructors, mainstream and special needs teachers as well as music therapists and entrepreneurs.

BFA students enjoy:

- An innovative programme of full-time intensive study.
- Excellent teaching and mentorship by active professionals in their field of study.
- Diverse exposure within a stimulating multidisciplinary environment.
- Regular high-level performance opportunities.

Studying music at APA is a transformative process, combining intensive instrumental/vocal instruction with group classes under the guidance of a diverse and inspiring faculty. Students enjoy regular performance opportunities and also take inspiration from guest artists and artists-in-residence. The programme is taught over two semesters from September to May, culminating in an annual Production and Performance period. Interested applicants should contact APA via the APA website: www.u.tt/apa to arrange an audition/interview. The audition requirements can be found under the Auditions tab.

Programme Credits: 120

Accreditation Institution: NA

Programme Venue:
National Academy for the Performing Arts (NAPA), Port of Spain

Mode of Delivery and Duration
Full-Time only; Four (4) years

Potential Careers and Employment Opportunities include:

- Small businesses as Ensembles/Entertainment Industry Professionals
- Cultural Academics and Arts Educators
- Music Educators in Public and Private Institutions and Studios
- Classroom Teachers
- Musicians for Performances, Recitals, Concerts, Events (locally and internationally)
- Community Engagement Practitioners (Teaching Artists)
- Music Composers and Arrangers
- Choral Directors and Singers
- Conductors and Musical Directors
- Accompanists
- Musicians for the Recording Industry
- Calypsonians

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency level in Grades I or II and from 1998, Grade III or equivalent GCE O' Levels including Grades A, B or C in Mathematics and English Language; OR
- A Diploma in a relevant subject area from a recognized institution.

The following requirements apply to ALL applicants:
A Competitive Audition/Interview
Details can be found under the Auditions tab on the APA website: www.u.tt/apa

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Head as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the Programme.

Bachelor of Fine Arts in Digital Media Arts (GATE Approved)

Description:
The Bachelor of Fine Arts (BFA) in Digital Media Arts programme has been developed for students with a passion for animation, music technology or game art who want a hands-on, industry-oriented programme, supported by a curriculum that is geared toward the international industry, values our national and regional cultural context and has a strong practical emphasis. It will provide a pathway to new opportunities and encourage students to acquire critical skills locally.

The Bachelor of Fine Arts in Digital Media Arts is offered with specialisations in:

1. Animation
2. Music Technology
3. Game Art Animation

The students of the programme will be equipped to independently perform idea development, design, execute, produce, and complete the delivery of complex media projects for local and global mass media, utilizing industry standard practices and procedures.

Programme Credits: 120

Accreditation Institution: NA

Programme Venue:
National Academy for the Performing Arts (NAPA), Port of Spain
S. Donaldson Campus, Port of Spain

Mode of Delivery and Duration:
Full-time only; Four (4) years John
Part-time (special circumstances)

Potential Careers and Employment Opportunities

Animation	Music Technology	Game Art
• Animation & Graphic Production • Education • Entrepreneurship/Local Business Creation • Filmed Entertainment • Game Design & Production • Illustration & Graphic Design (Printing, etc.)	• Sound Engineering & Music Production • Education • Entrepreneurship / Local Business Creation • Audio Post-Production for Filmed Entertainment • Sound Design for Game Production • Media Production (Broadcast, Publishing)	• Game Design & Production • Concept Artist • 3D Character Modeler • 3D Object Modeler • 3D Environment Artist • Digital Toy Sculptor • Visual Development Artist • Prop Designer • 3D Printing Sculptor

Requirements:

- Caribbean Advanced Proficiency Examination CAPE LEVELS I and II with grade 3 and above a minimum of two (2) subjects. Applicants with Advanced Level OR both CAPE LEVEL I and CAPE LEVEL II passes in Animation and Game Design, Art and Design, Digital Media, Electrical and Electronic Engineering Technology, Performing Arts, and Mathematics, may be eligible for certain exemptions. General Paper or Communication Studies would be an asset to applicants. Applicants should also normally have attained five (5) CSEC OR five (5) ORDINARY LEVEL passes including English, Mathematics, and a Science or Art subject at Grades I or II and from 1998 Grade III or equivalent

OR

- Passes in a minimum of five (5) CSEC OR five (5) ORDINARY LEVEL passes including English, Mathematics, and a Science or Art subject at Grades I or II and from 1998 Grade III or equivalent; **AND**
- UTT Certificate in Music Technology

OR

- Passes in a minimum of five (5) CSEC OR five (5) ORDINARY LEVEL passes including English, Mathematics, and a Science or Art subject at Grades I or II and from 1998 Grade III or equivalent; **AND**
- UTT Diploma in Animation Studies

OR

- Relevant HND, Advanced or Associate Degree in a related field.

In addition, applicants will be required to produce and participate in the following:
1. a portfolio that demonstrates evidence of artistic/creative/technical aptitude
2. a written statement which has two (2) components: personal goals and entrepreneurial goals
3. an interview

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Head as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

PROCESS ENGINEERING

Certificate in Process Operations (GATE Approved)

Description:
The University of Trinidad and Tobago (UTT) continues to offer the Certificate in Process Operations (CPO) programme to meet the present and Future demand for Process Operators in the industrial and manufacturing sector. The concept of training in Process Operations encompasses the safe, sustainable and efficient operation of mass production systems that change or transform raw materials into useful, higher valued products.
All plant and industries have need for Process Plant Operators not just to man each piece of equipment in the processing line but to make decisions on adjustments to process flows and other operating conditions like pressure, temperature and liquid levels in vessels.

Programme Credits: 45

Accreditation Institution: Institution of Chemical Engineers (IChemE), UK

Potential Careers and Employment Opportunities
Graduates of the CPO programme can be employed in the following positions:

- Operator Trainee
- Operator
- Entrepreneur

The programme prepares graduating students for employment in the following areas:

- Oil and Gas Production
- Petroleum Refining & Distribution
- Petroleum Exploration: Heritage Petroleum Co. Ltd.
- Petrochemical Industries
- Gas processing
- Water Industries
- Wastewater Industries
- Electric Utilities
- Manufacturing
- Food and Beverage
- Fertilizer Industry
- Paints
- Industrial Gases
- Specialty Chemicals

Programme Venues:
San Fernando and John S. Donaldson and Point Lisas Campuses

Mode of Delivery and Duration:
Full-Time; One (1) year Part-Time; Two (2) year Blended and Online

Entry Requirements:

- Passes in at least five (5) subjects at CSEC (CXC O'Level) General Proficiency (Grades I or II and from 1998 Grade III) or GCE 'O' Levels inclusive of Mathematics and English Language (A science subject such as Chemistry or Physics will be an asset); OR
- Completion of any of UTT's preparatory or bridging programmes such as the Certificate in Applied Engineering (CAE), Pre-University Programme (PUP), Pre-Engineering Programme or Transition programme with ≥50% in ALL attempted subject areas; OR U-STEP
- Other equivalent qualifications as UTT may consider appropriate.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme, based on years of experience and the ability to handle the level of programme learning, may be accepted as a mature student. The applicant would need to possess the critical mathematical and communication skills and would be assessed by the Programme Leader and/or a Process Engineering Review Panel.

National Engineering Technician Diploma in Chemical Engineering (GATE Approved)

Description:
The National Engineering Technician Diploma (NETD) programmes are designed to create well-rounded technicians with a strong educational foundation and industry-relevant skills and competencies. Graduates who meet the programme matriculation requirements may apply for admission into any of the UTT's Engineering Bachelor degree programmes. The NETD in Chemical Engineering is a well-established engineering discipline worldwide and designed to meet the present and future demand for Chemical Engineering Technicians and highly trained Operators. Chemical and Process Engineering is about the transformation of raw materials into useful products. Trinidad and Tobago's manufacturing industry has need for a stronger knowledge base in chemical and process engineering at the technician and operator level as well as to meet the industry need for more 'hands-on' graduate chemical or process engineers. This is particularly important as inherent industrial and manufacturing processes, technologies and their associated instrumentation and control and quality systems are constantly modernising. The NETD in Chemical Engineering is internationally accredited by the Institution of Chemical Engineers (IChemE) of the United Kingdom.

Programme Credits: 83

Accreditation Institution: Institution of Chemical Engineers (IChemE), UK

Potential Careers and Employment Opportunities
Graduates from this programme can be employed in the following positions:

- Chemical Engineering Technicians

- Engineering Technical Assistants
- Process Plant Operators
- Laboratory Technicians
- Sales Technicians
- Entrepreneurs

Programme Venue:
John S. Donaldson & San Fernando and Point Lisas Campuses

Mode of Delivery and Duration:
Full-Time: Two (2) years Part-Time: Four (4) years

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Level including Grades A, B or C in Mathematics, English Language, Physics and Chemistry; OR
- Completion of any of UTT's preparatory or bridging programmes such as the Certificate in Applied Engineering (CAE), Pre-University Programme (PUP), Pre-Engineering Programme or Transition programme with ≥50% in ALL attempted subject areas or completion of the Certificate in Process Operation (CPO); OR U-STEP
- Other equivalent qualifications may also be considered.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme, based on years of experience and the ability to handle the level of programme learning, may be accepted as a mature student. The applicant would need to possess the critical elements of the stipulated qualification for example skills in mathematics, chemistry, physics and communication, and would be assessed by the UTT programme leader and/or UTT panel as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Bachelor of Applied Science (B.A.Sc.)/Master of Engineering (M.Eng.) in Process Engineering (GATE Approved)

Description:
The BASc/MEng Process Engineering programme is internationally accredited by the Institution of Chemical Engineers (IChemE) of the United Kingdom. The BASc award meets the partial requirement for registration as a Chartered Engineer (CEng). The first year of study is common to all engineering programme options and is offered at the Point Lisas campus only. After completing the third year of study, students can choose to exit the programme and graduate with a Bachelor in Applied Science (BASc) degree with 108 credits but will have to subsequently re-apply to complete the fourth year and obtain the MEng qualification. For such students, GATE funding will no longer be available.

The Master of Engineering (MEng) degree is an advanced undergraduate programme requiring four (4) years of full-time or eight (8) years of part-time study requiring thirty-six (36) credits per year. The M.Eng. programme prepares students for careers as professional engineers, locally and internationally. This programme of study is broader and deeper than the corresponding B.A.Sc. degree, with an increased emphasis on preparation for professional practice. M.Eng. graduates are equipped to solve problems in new technologies and develop new analytical techniques; successfully deliver innovative engineering products and services and account for project and finance management while keeping in mind technical and socio-economic constraints. In summary, the M.Eng. programme of study prepares students for leading roles in technical and/or managerial activities. Graduates from our accredited M.Eng. programmes can apply for registration as a Chartered Engineer as they demonstrate that the required knowledge and understanding has been met through formal education. The programme consists of a combination of coursework, taught courses and project theses, with a focus on students using their initiative under direction and supervision to acquire the necessary knowledge to address upstream engineering problems. The instructional pedagogy uses Project Based Learning and Team Study.

Programme Credits for the BASc. in Process Engineering: 108

Accreditation Institution: Institution of Chemical Engineers (IChemE), UK

Programme Venues:
Point Lisas Campus

Mode of Delivery and Duration:
BASc/MEng degree – Full-Time; Three (3) years and Part-Time; Six (6) years
M.Eng. degree – Full-Time; Four (4) years and Part-Time; Eight (8) years

Potential Careers and Employment Opportunities
Graduates from this programme can be employed in the following positions:

- Process Engineer
- Process Control Engineer
- Design Engineer
- Manufacturing Engineer
- Continuous Improvement Engineer
- Biomedical Engineer
- Process Operations Engineer/ Process Optimization Engineer
- Supervisor
- Facilities Engineer

- Waste Management Engineer
- Environmental Engineer
- Technical Sales Representative
- Research Assistant

Entry Requirements:

- Mathematics and Chemistry OR Physics OR Environmental Science: Grade III or higher in CAPE Units I and II or grade C or higher in GCE A-level.
- Graduates with a NETD/NEC Diploma in Chemical Engineering, Mechanical Engineering or Petroleum Engineering with a minimum cGPA of 2.3.
- Other relevant tertiary-level qualifications will be considered.

Mature Student Entry to the BASc in Process Engineering:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

FINAL YEAR DIRECT ENTRY TO THE MEng IN PROCESS ENGINEERING:

The Master of Engineering (MEng) degree is an advanced undergraduate programme requiring four (4) years of full-time or eight (8) years of part-time study requiring thirty-six (36) credits per year. The M.Eng. programme prepares students for careers as professional engineers, locally and internationally. This programme of study is broader and deeper than the corresponding B.A.Sc. degree, with an increased emphasis on preparation for professional practice. M.Eng. graduates are equipped to solve problems in new technologies and develop new analytical techniques; successfully deliver innovative engineering products and services and account for project and finance management while keeping in mind technical and socio-economic constraints. In summary, the M.Eng. programme of study prepares students for leading roles in technical and/or managerial activities. Graduates from our accredited M.Eng. programmes can apply for registration as a Chartered Engineer as they demonstrate that the required knowledge and understanding has been met through formal education. The programme consists of a combination of coursework, taught courses and project theses, with a focus on students using their initiative under direction and supervision to acquire the necessary knowledge to address upstream engineering problems. The instructional pedagogy uses Project Based Learning and Team Study.

Entry Requirements:

- A UTT BASc. in Process Engineering normally with a minimum GPA of 2.30 is required for continuation into the 4th year MEng in Process Engineering
- Graduates with the BASc in Process Engineering, or with an equivalent Process Engineering degree which is accredited by IChemE to the B standard, normally with a minimum GPA of 2.30, can apply for the MEng in Process Engineering up to five (5) years after graduation.
- There shall be no Mature Student Entry to the MEng in Process Engineering.

Total Programme Credits for the Master of Engineering (M.Eng.) in Process Engineering: 144 (an additional 36 credits to the 108 in the BASc. in Process Engineering).

PROJECT MANAGEMENT & CIVIL INFRASTRUCTURE SYSTEMS

National Engineering Technician Diploma in Civil Engineering (GATE Approved)

Description:
The National Engineering Technician Diploma (NETD) programmes are designed to create well-rounded technicians with a strong educational foundation and industry-relevant skills and competencies. Graduates who meet the programme matriculation requirements may apply for admission into any of the UTT's Engineering Bachelor degree programmes. The NETD in Civil Engineering is a practice of Civil Engineering designed to deal, not just with technical issues and efficient design, but all the more with the larger social, economic, and environmental aspects of civil engineering work. The programme has been updated to include such specialist courses and modules as project management, quantity surveying, building information systems management and sustainability. The programme has been designed to not only develop practical knowledge and design skills in graduates, but also ensure articulation to engineering degree programmes.

Programme Credits: 84

Accreditation Institution: Joint Board of Moderators, UK

Potential Careers and Employment Opportunities:
Graduates from this programme can be employed in the following positions:

- Work Supervisors

- Site/Project Managers
- Clerk of Works
- Engineering Assistants
- Quantity Surveying Technicians
- Civil Engineering Technicians
- Technical Vocational Lecturers

Programme Venue:
San Fernando, John Donaldson Campuses

Mode of Delivery and Duration:
Full-Time: Two (2) years
Part-Time: Three (3) years

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency level in Grades I or II and from 1998 Grade III including Mathematics, English Language and any two (2) from the following group:
  Physics; Chemistry; Integrated Science; Technical Drawing; Information Technology OR
- GCE Ordinary Levels with Grades A, B or C, including Mathematics, English Language and any two (2) from the following group:
  Physics; Chemistry; Integrated Science; Technical Drawing; Information Technology
- Completion of the Certificate of Applied Engineering Programme (CAE) or the Pre-University Programme (PUP) with ≥ 50% in ALL attempted subject areas.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Bachelor of Applied Science in Civil Engineering Systems (GATE Approved)

Description:
The University of Trinidad and Tobago believes the important activities in the 21st century will include sustaining our environment and the natural cycles on which all life depends; an increased contribution by civil engineers towards the generation of wealth through entrepreneurial activities and providing the necessities for human life and civil societies, including energy, shelter, water and the infrastructure for commerce in more efficient and renewable ways. Our Bachelor of Applied Science degree in Civil Engineering Systems is a full honours engineering programme that prepares students to meet these challenges both locally and internationally.

Programme Credits: 108

Accreditation Institution: Joint Board of Moderators (JBM), UK

Potential Careers and Employment Opportunities
Graduates from this programme can be employed in the following positions:

- Project Managers
- Structural Engineers
- Geotechnical Engineers
- Environmental Engineers
- Water Resource Engineers
- Construction Engineers

Programme Specialisations are:

1. Environmental Engineering
2. Structural Engineering
3. Construction Engineering and Management

Programme Venues:

Mode of Delivery and Duration:

San Fernando Campus | Full-Time; Three (3) years and Part-Time; Five (5) years

Entry Requirements:

- CAPE Levels 1 and 2 or GCE A' Level subjects including Mathematics and either Physics or Chemistry plus General Paper or Caribbean Studies and Communication Studies
  OR
- Relevant NEC Technician Diploma;
  OR
- Relevant NETD/HNC/HND Technician Diploma.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme, based on years of experience and the ability to handle the level of programme learning, may be accepted as a mature student. The applicant would need to possess the critical elements of the stipulated qualification and would be assessed by a team appointed by the Programme Professor/Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

SECURITY AND PUBLIC SAFETY

Certificate in Security and Public Safety (GATE Approved)

Description:
The Certificate in Security and Public Safety programme offers a wide range of practical content and skills, industry-driven and with a judicious mixture of theory, practice and field experience to help build performance levels and professionalize the industry. The programme also seeks to provide some standardization and appropriate certification in the private security industry.

Programme Credits: 36

Accreditation Institution: NA

Potential Careers and Employment Opportunities

- Law Enforcement Officer
- Private Security Officer
- Health and Safety Officer
- Estate Constable

Programme Venues:
Tamana and Chaguanas Campuses

Mode of Delivery and Duration:
Blended learning (Online & Face to Face)
Full-Time; One (1) year and
Part-Time; Two (2) years

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Levels including Grades A, B or C in Mathematics and English Language.
- Combination of other relevant academic qualification/work experience may also be considered.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme based on years of experience and the ability to handle the level of programme learning, may be accepted as a mature student. He/she would need to possess the critical elements of the stipulated qualifications and would be assessed by the Programme Teaching and Learning Committee as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Diploma in Security and Public Safety (GATE Approved)

Description:

The Diploma in Security and Public Safety programme builds on the Certificate in Security and Public Safety programme by providing advanced and specialized practical and tactical knowledge in supervising and managing security and public safety affairs as well as designing and implementing appropriate interventions. It provides an opportunity for persons to be trained before they enter the security industry while accommodating those who are already on the job. Additionally, it seeks to provide some standardization and appropriate certification in the private security industry.

Programme Credits: 66

Accreditation Institution: NA

Potential Careers and Employment Opportunities

- Law Enforcement Officers
- Military Officers
- Private Security Officers
- Estate Constable
- School and Safety Officer

Programme Venues:
Tamana and Chaguanas Campuses

Mode of Delivery and Duration:
Blended learning (Online & Face to Face)

Full-Time; Two (2) years or One (1) year (after completing the Certificate programme) and

Part-Time; Four years or Two (2) years (after completing the Certificate programme)

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Levels including Grades A, B or C in Mathematics and English Language; OR
- Combination of other relevant academic qualifications/work experience may also be considered as assessed by the UTT Programme Leader; OR
- Certificate in Security and Public Safety

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme based on years of experience and the ability to handle the level of programme learning, may be accepted as a mature student. He/she would need to possess the critical elements of the stipulated qualifications and would be assessed by the Programme Teaching and Learning Committee as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Bachelor of Applied Science in Criminology and Public Safety (GATE Approved)

Description:
The Bachelor of Applied Science in Criminology and Public Safety aims to deal with the expansive, complex and specialised nature of crime and criminality. As communities expand, as the industrial sector grows, and as public concerns over safety become more intense, there is a need to improve the relevant skills in the security industry and in law enforcement. The main focus of a traditional Criminology programme is the scientific study of the *nature*, *extent*, *causes*, and *control* of criminal behavior in the *individual* and in *society*. However, this programme is distinct as it offers a wide range of practical content and skills that are industry-driven. The Public Safety component of the BASc. offers a mixture of theory and practice, which deals with the *prevention of* and *protection from* events that could endanger the safety of the general public – quite important issues affecting Trinidad and Tobago and the wider Caribbean today.

Programme Credits: 125

Accreditation Institution: NA

Potential Careers and Employment Opportunities

- Law Enforcement Officer (Police, Prison, Fire)

- Military Officer (Army, Coast Guard, Air Guard)
- Private Security Officer
- Estate Constable
- Probation Officer
- Community Outreach Officer
- Immigration and Customs Officer

Programme Venue: Tamana and Chaguanas Campuses

Entry Requirements:

- Applicants must possess 5 CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Levels including Grades A, B or C in Mathematics and English Language; OR
- UTT Certificate or Diploma in Security and Public Safety; OR
- Combination of other equivalent academic qualifications / work experience may also be considered; OR
- Qualified workers from professions such as teaching, law, probation, police, prisons, fire, judiciary and business will be considered; OR

Advanced Standing:
Students with advanced standing will be awarded appropriate exemptions and transfer of credits, as determined by an appointed committee or Programme Head. This would be awarded to those students who satisfied all requirements for the BASc in Security and Public Safety, with a minimum CGPA of 2.5, as they would have completed all of the first-year requirements for the BASc.

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme based on years of experience and the ability to handle the level of programme learning, may be accepted as a mature student. He/she would need to possess the critical elements of the stipulated qualifications and would be assessed by the Programme Teaching and Learning Committee as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

SPORTS

Certificate in Sport Studies (GATE Approved)

Description:
The Certificate in Sport Studies programme provides students with a basic yet global enquiry into the study of sport. The psycho-social and physical aspects of sport would be pursued. On completion of the course, opportunities to matriculate in the BSc.in Kinesiology at UTT, and other work-related interest example personal training and coaching could be realized.

Programme Credits: 42

Accreditation Institution: NA

Potential Careers and Employment Opportunities
Short Term - These are some possible immediate employment opportunities that can be acquired on completion of the programme

- Gym Apprentice
- Physical Therapist Aide
- Sport and exercise equipment marketing and sales representative
- Sport retail and wholesale outlet marketing and sales representative
- Sport event planning and marketing coordinator
- Sport camp teacher, assistant, co-ordinator
- Physical education teaching assistant
- Coaching assistant
- Sport community programme development aide
- Youth mentor

Long Term - With additional certification in some areas graduates can be employed in the following positions:

- Personal Trainer
- Sport Administrator

- Athletic Trainer
- Gym Instructor/Owner
- Massage Therapist
- Strength and Conditioning Coach
- Physical Therapist
- Occupational Therapist
- Sport Medical Practitioner
- Nutrition, Health and Fitness Consultant
- Sport Facility Manager
- Sport Entrepreneur
- Physical Education Teacher
- Sport Instructor/Professor
- Sport Coach
- Sport Program Developer/Co-ordinator
- Sport for Development Officer

Programme Venue: San Fernando Campus

Mode of Delivery and Duration:

- Full-Time: One (1) year
- Part-Time: Two (2) years

Entry Requirements:

Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III, or equivalent GCE O'Levels, including English Language and a science subject (including Physical Education), constituting a full CSEC certificate. Mathematics is not a compulsory entry requirement. However, applicants without a pass in Mathematics will be strongly advised to pursue and obtain the subject during their period of study, particularly if they intend to progress to programmes where Mathematics is required."

Mature Student Entry

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to a programme, based on years of experience and the ability to handle the level of programme learning, may be accepted as a mature student. The applicant would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Bachelor of Science in Kinesiology (GATE Approved)

Description:

The first of its kind in the Trinidad and Tobago and by extension the Caribbean, this new programme ensures that students can gain the expertise to prepare for new and exciting career paths in sport and its allied fields. The programme also offers an opportunity to gain expertise in the scientific approach to the preparation and management of athletes and active individuals.

Additionally, the programme makes a strong connection between sport and the community, and charts an authentic course for using sport as a tool for personal and social development and entrepreneurship.

Programme Specialisations:

1. Sport Pedagogy and Coaching
2. Sport for Development
3. Sport Management
4. Sport and Exercise Science/Pre-Medicine/Pre-Health Professions

Programme Credits: 138

Accreditation Institution: NA

Potential Careers and Employment Opportunities:

Sport Management and Sport for Development	**Sport and Exercise Science**	**Sport Pedagogy/ Sport Coaching**
Facility Manager	*Athletic Trainer	Coach
Sport Team Managers	Performance Enhancement Specialist	Youth Mentors
Recreation Manager	Corrective Exercise Specialist	Physical Education Teachers
Director of Athletics	Personal Trainers	
Sport Programme Supervisor	*Nutritionist	
Sporting Administrators	Consultant in Nutrition and Fitness	
Youth Sports Camps Coordinators	*General Medicine Physician	
Director of Corporate Fitness/Wellness	Sport and Exercise Medicine Specialist	
Sport Development Officer	*Occupational Therapist	
Fitness Director	*Physical Therapist	
Sport Event Planning Director	*Physical Therapist Aide	
Sport Marketing Officer	Secondary and Primary Education Teacher	
Physical Education and Sport Officer	Sport Science Coordinator	
Sports Marketing Associate		
Director of Tourism, and Commercial Recreation (resorts, sports delivery).		

Programme Venue: San Fernando Campus

Mode of Delivery and Duration: Full-Time: Four (4) years and Part-Time: **Six (6)** years

Requirements:

Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency Grades I or II (and from 1998, Grade III) or equivalent GCE O'Levels, including English Language and a science subject (Human and Social Biology, Biology, Physics, Chemistry, Integrated Science, or Agricultural Science);
In addition, passes in a minimum of two (2) CAPE Unit 1 subjects or equivalent GCE A' Level subjects, including Caribbean Studies, Communication Studies, or General Paper.
Mathematics is not a compulsory requirement for entry; however, applicants without Mathematics will be required to obtain a pass in CSEC Mathematics or an approved equivalent (e.g., USTEP Mathematics) prior to enrolment in any university-level mathematics course within the programme, OR

Certificate in Sport Studies or equivalent programme;

Successful completion of the Certificate in Sport Studies (or equivalent programme).
Graduates seeking to matriculate into the B.Sc. Kinesiology will be assessed not only on academic performance but also on demonstrated behaviour and professional attributes. Consideration will be given to attitude, work ethic, punctuality, attendance, accountability, teamwork, respect, integrity, communication skills, and overall professionalism exhibited throughout the Certificate programme.
Written recommendations from lecturers will form part of the evaluation process to ensure that students admitted to the B.Sc. programme have demonstrated the maturity and professional readiness required for advanced study.

Students without CSEC Mathematics will be required to obtain a pass in Mathematics (CSEC or approved equivalent such as USTEP) prior to enrolment in math-dependent courses, OR

A combination of relevant experience and academic qualifications. Some students may be subject to an aptitude test and an interview to determine suitability for entry to the programme.

Mature Student Entry
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the Bachelors programme may be accepted as a mature student. He or she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Professor for possession of a combination of qualifications and educational or experiential maturity to enable him/her to participate successfully in the programme.

Accreditation of Prior (including Experiential) Learning:
Applicants who possess evidence of Prior Learning may be exempt from courses in which they clearly demonstrate advanced knowledge, skill and competence that surpass the content of the specific course/s being offered in the Certificate Programme. The assessment of prior learning shall be determined by the Programme Professor/Leader.

Admission with Advanced Standing:
There is no admission with advanced standing in this programme with the exception of students with Bachelor of Sport Studies

UTILITIES & SUSTAINABLE ENGINEERING

National Engineering Technician Diploma in Electrical/Electronic Engineering (GATE Approved)

Description:
The National Engineering Technician Diploma (NETD) programmes are designed to create well-rounded technicians with a strong educational foundation and industry-relevant skills and competencies. Graduates who meet the programme matriculation requirements may apply for admission into any of the UTT's Engineering Bachelor degree programmes. Electrical/Electronic Engineering Technology is a well-established discipline worldwide. Electrical/Electronic Engineering technicians use the principles and theories of science, engineering, and mathematics to solve technical problems within a number of public utilities as well as a wide range of manufacturing, processing and transportation industries. The NETD in Electrical/Electronic Engineering programme is designed to equip individuals with the practical skills, knowledge and understanding required for success in current employment and progression to future employment for a range of Electrical/Electronic occupations including installation, testing, operation and maintenance of complex Electrical/Electronic Engineering products and systems. The NETD in Electrical / Electronic Engineering (EEET) programme is accredited by the Institution of Engineering and Technology (IET) of the United Kingdom, having met the UK Standard for Professional Engineering Competence (UK-SPEC) and the Accreditation Council of Trinidad and Tobago (ACTT).

Programme Credits: 82

Accreditation Institution: Institution of Engineering and Technology (IET), UK

Potential Careers and Employment Opportunities

Graduates from this programme can be employed in the following positions:
- Industrial Electrical/Electronic Maintenance Technician
- Technical / Vocational Teacher
- Technical Sales Representative
- Procurement Officer

Programme Venue:
San Fernando, John Donaldson and Tobago Campuses

Mode of Delivery and Duration:
Full-Time: Two (2) years
Part-Time: Four (4) years

Special Level 2 Entry for Renewable Energy Engineering Technology
Graduates of NETD Electrical / Electronics, Instrumentation and Mechanical Engineering can enter the Renewable Energy Engineering programme at Level 2 and complete the programme in One (1) year Full-time, Two (2) years Part-time and One and a half (1 ½) Years Accelerated Part-time

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Level including Grades A, B or C in Mathematics, English Language, Physics or Electrical and Electronic Technology
  OR
- Completion of the Certificate in Applied Engineering (CAE) or the Certificate in Process Operations (CPO) with greater than or equal to 50% in ALL subject areas
  OR
- Other equivalent qualifications may also be considered.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

National Engineering Technician Diploma in Instrumentation Engineering (GATE Approved)

Description:

The National Engineering Technician Diploma (NETD) programmes are designed to create well-rounded technicians with a strong educational foundation and industry-relevant skills and competencies. Graduates who meet the programme matriculation requirements may apply for admission into any of the UTT's Engineering Bachelor degree programmes. Instrumentation Engineering is a well-established discipline worldwide. The National Engineering Technicians' Diploma in Instrumentation Engineering provides students with sound theoretical and practical training in the operation and maintenance of automated process control and measurement systems used in the production of various commodities. Instrumentation Technicians test, certify, install, repair, inspect, maintain, and help to develop complex instruments that measure and record changes in industrial environments. The process-controlled systems operated by these technicians are central to the operation of such facilities as chemical plants, canneries, food processing plants, petroleum refineries, and power plants. The NETD in Instrumentation Engineering (IET) programme is accredited by the Institution of Engineering and Technology (IET) of the United Kingdom, having met the UK Standard for Professional Engineering Competence (UK-SPEC) and the Accreditation Council of Trinidad and Tobago (ACTT).

Programme Credits: 82

Accreditation Institution: Institution of Engineering and Technology (IET), UK

Potential Careers and Employment Opportunities

Graduates from this programme can be employed in the following positions:

- Industrial Instrumentation Maintenance Technician
- Technical/Vocational Teacher
- Technical Sales Representative
- Procurement Officer

Programme Venue:
San Fernando Campus

Mode of Delivery and Duration:
Full-Time: Two (2) years
Part-Time: Four (4) years

Special Level 2 Entry for Renewable Energy Engineering Technology

Graduates of NETD Electrical / Electronics, Instrumentation and Mechanical Engineering can enter the Renewable Energy Engineering programme at Level 2 and complete the programme in One (1) year Full-time, Two (2) years Part-time and One and a half (1 ½) Years Accelerated Part-time

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Level including Grades A, B or C in Mathematics, English Language, Physics or Electrical and Electronic Technology; OR
- Completion of the Certificate in Applied Engineering (CAE) or the Certificate in Process Operations (CPO) with greater than or equal to 50% in ALL subject areas; OR
- Other equivalent qualifications may also be considered.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be

accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed by the UTT Programme Leader as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

National Engineering Technician Diploma in Renewable Energy Engineering Technology (GATE Approved)

Description:

The National Engineering Technician Diploma (NETD) programmes are designed to create well-rounded technicians with a strong educational foundation and industry-relevant skills and competencies. Graduates who meet the programme matriculation requirements may apply for admission into any of the UTT's Engineering Bachelor degree programmes. The NETD in Renewable Energy Engineering Technology (REET) programme is designed to produce practical, industry ready and globally competitive Renewable Energy Engineering Technicians who would directly contribute towards the sustainable development and use of the indigenous renewable sources of energy in Trinidad and Tobago and CARICOM. The programme makes use of state-of-the-art equipment and technology, industry base software and local, regional and international standards and best practise to develop the technical competencies of learners in the programme. The interdisciplinary nature of the programme and the many project and team-based assessments inculcates and develops the emotional intelligence of learners in the programme. Another core area of study in the NETD in REET programme is entrepreneurship. The programme fosters and develops entrepreneurship by producing a graduate that is industry ready and by exposing students to entrepreneurship fundamentals and practises in a core course focused on entrepreneurship and in many of the technical courses. The NETD in Renewable Energy Engineering is accredited by the Accreditation Council of Trinidad and Tobago (ACTT).

Programme Credits: 82

Accreditation Institution: Institution of Engineering and Technology (IET), UK

Potential Careers and Employment Opportunities

Graduates from this programme can be employed in the following positions:

- Renewable Energy Technician
- Energy Audit Technician
- Technical / Vocational Teacher
- Technical Sales Representative
- Procurement Officer

Programme Venue:
San Fernando, John Donaldson and Tobago Campuses. Level 2 Courses at San Fernando only

Mode of Delivery and Duration:
Full-Time: Two (2) years
Part-Time: Three and a half (3½) years

Special Level 2 Entry for Renewable Energy Engineering Technology

Graduates of NETD Electrical / Electronics, Instrumentation and Mechanical Engineering can enter the Renewable Energy Engineering programme at Level 2 and complete the programme in One (1) year Full-time, Two (2) years Part-time and One and a half (1 ½) Years Accelerated Part-time

Entry Requirements:

- Passes in a minimum of five (5) subjects at CSEC (CXC O'Level) General Proficiency in Grades I or II and from 1998, Grade III or equivalent GCE O'Level including Grades A, B or C in Mathematics, English Language, Physics or Industrial Technology Option A or Electrical and Electronic Technology OR
- Completion of UTT's Pre-University Programme (PUP) or Certificate in Applied Engineering programme with a minimum of 50% in ALL attempted subject areas; OR
- Other equivalent qualifications may also be considered.

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic qualifications for admission to the programme, may be considered for acceptance as a mature student, based on relevant and significant industrial experience. The applicant would need to possess the critical elements of the stipulated qualifications and would be assessed by the Programme Leader and a designated team comprising of members of the programme. The aim of the assessment is to ensure that the potential candidate possesses a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

Bachelor of Applied Science (BASc) in Utilities Engineering - (GATE Approved)

Description:
Utilities Engineering is a well-established and full-fledged engineering discipline worldwide. The Utilities Engineer performs a variety of analytical/technical engineering processes, which include planning, maintenance, operational and design engineering tasks within a number of public utilities, industries and industrial processes. As such, the **Bachelor of Applied Science (BASc.)** in Utilities Engineering programmes are integrated engineering programmes geared towards the Electrical and Mechanical Engineering disciplines. The Programme therefore offers two options; **Mechanical** engineering option and the **Electrical** engineering option. The degree requires a minimum study of three (3) years full-time or six years part-time. The programme is accredited by the Accreditation Council of Trinidad and Tobago (ACTT) and is also accredited by the Institution of Engineering and Technology (IET) of the United Kingdom, having met the UK Standard for Professional Engineering Competence (UK-SPEC).

Programme Credits: 108

Accreditation Institution: Institution of Engineering and Technology (IET), UK

Potential Careers and Employment Opportunities
Graduates from the Utilities Engineering programme can be employed in the following industries:

- Water and sanitation industries
- Electric Utilities
- Power Generation companies
- Process industries
- Manufacturing industries
- Water and sanitation industries
- Mining and Smelting industries
- Automotive and Drive-by-Wire emerging industries
- Electric Drives, Light Rail Systems and Transportation Utilities
- Renewable and Green Energy Industry,
- Microgrid,
- Education and research.

Programme Options:

1. Electrical
2. Mechanical

Programme Venue:
Point Lisas Campus

Mode of Delivery:
Full-Time; Three (3) years and Part-Time; Six (6) years

Entry Requirements:

- Grades (I-III) in CAPE Units I and II and/or Grades (A/B) in Cambridge 'A' level subjects: Mathematics and Physics and one (1) other science subject;
- A pass in CAPE Communication Studies and Caribbean Studies and/or Cambridge General Paper, and;
- O-Level/CSEC: At least five (5) passes including English A, Mathematics, Physics and Chemistry
- An engineering-based diploma with a GPA of 2.7 and above

Mature Student Entry:
An applicant who does not satisfy all the stipulated minimum academic or technical qualifications for admission to the programme may be accepted as a Mature Student. He/she would need to possess the critical elements of the stipulated qualification and would be assessed as possessing a combination of qualifications and educational or experiential maturity to enable him/her to successfully participate in the programme.

U-STEP (SELF-FUNDED)

Description:

U-STEP is UTT's Special Tertiary Education Pathway, designed for secondary school students who may not have the minimum five CSEC passes to continue their studies. U-STEP has been designed to give persons an alternative pathway into tertiary education. The dynamic portfolio of courses offered through U-STEP enables students to pursue and successfully enter a UTT programme. Students will be required to complete only the course(s) necessary to satisfy entry into their chosen programme.

The courses offered are divided into four categories:

- **Foundations:** English A and Mathematics
- **Science:** Chemistry and Physics
- **Technical:** Mechanical Workshop, Electrical Workshop, Engineering Drawing
- **Pre-professional:** Criminology, Sports Science and Academic Writing

Benefits of pursuing U-STEP courses?

- Seamless entry to tertiary education at UTT.
- Access to the university's resources.
- A dynamic learning environment with experienced instructors.
- Remedial centres for Mathematics, Writing and Science.

How do I use U-STEP to access my chosen UTT programme?

The programme to which you apply may refer your application to the U-STEP programme. You will be guided to take the courses needed to satisfy your entry requirements.

What programmes are available after completing U-STEP?

Students can enter any of UTT's Certificate, National Engineering Technician Diploma (NETD) and specific Bachelor programmes after successfully completing U-STEP.

Are U-STEP courses GATE approved/funded?

U-S TEP has been designed to allow students to take and pay only for the courses needed for entry into their chosen programme. GATE funding is therefore saved for their future undergraduate programme.

Cost of the U-STEP Pathway

The cost of each U-STEP course is TT $1800.00. Successful completion of relevant U-STEP courses are required to gain entry into a UTT programme. The pathway is **not** GATE funded.

Programme Venues	Mode of Delivery	Duration of the U-STEP Pathway
John D Campus San Fernando Campus	Blended learning – A mixture of face-to-face online classes	This is dependent on the requirements of the student for the chosen career pathway

Entry Requirements

- Candidates who have attempted CSEC examinations in Mathematics and English (A).
- Mature candidates who possess Prior Learning Assessment Recognition (PLAR).

NOTE: Candidates may be required to submit secondary school completion certificates, participate in an interview, and/or show evidence of extra-curricular and or community activities aligned to their choice of programme specific pathways.

You can email **ustep@utt.edu.tt** for further information.