UTT

THE UNIVERSITY OF TRINIDAD AND TOBAGO

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POSTGRADUATE PROGRAMMES



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THE UNIVERSITY OF TRINIDAD AND TOBAGO

POSTGRADUATE PROGRAMMES

Applications open

TAUGHT POSTGRADUATE PROGRAMMES

- EXECUTIVE MASTERS in SPORT MANAGEMENT
- MASTER of ARTS in CARNIVAL STUDIES
- MASTERS in HEALTH ADMINISTRATION
- MASTER of SCIENCE in PETROLEUM ENGINEERING
- MASTER of SCIENCE in RESERVOIR ENGINEERING
- MASTER of SCIENCE in OPERATIONAL MARITIME MANAGEMENT
- MASTER of SCIENCE in INFORMATION and COMMUNICATION TECHNOLOGY
- MASTER of SCIENCE in ENVIRONMENTAL SCIENCE and MANAGEMENT
- MASTER of SCIENCE in INTEGRATED COASTAL and OCEAN MANAGEMENT
- MASTER of EDUCATION in EDUCATIONAL TECHNOLOGY
- MASTER of SCIENCE in INNOVATION, MANUFACTURING MANAGEMENT and ENTREPRENEURSHIP
- MASTER of SCIENCE in INNOVATIVE DESIGN and ENTREPRENEURSHIP

RESEARCH POSTGRADUATE PROGRAMMES:

DOCTORATE LEVEL
- Doctor of Philosophy (Ph.D.)

MASTERS LEVEL
- Master of Philosophy (M.Phil.)

APPLICATION PROCEDURE

➜ APPLY ONLINE at www.u.tt/apply



ACTT The Accreditation Council of Trinidad and Tobago Accredited Institution

UTT Accredited by ACTT in DEC 2010

For further information, please contact us at:
(868) 642–8888, 223–4888 or visit our website at www.u.tt



UTT Signature Campus at Tamana

The University of Trinidad and Tobago (UTT) is a dynamic student-oriented institution providing a broad spectrum of high-quality, career-oriented certificate, diploma, bachelor's, master's and doctoral programmes, in areas ranging from Science, Engineering and Technology to Aviation, Education, The Arts, Sport and Security. UTT, the only National University, was established in 2004 with a mandate to provide quality education and training, as well as to find solutions to national problems through impactful research. Today, the University has become a fast-growing community of scholars that now serves a culturally diverse population of students in technical and other programme areas, ably guided by internationally respected professors.

UTT received Institutional Accreditation from the Accreditation Council of Trinidad and Tobago (ACTT) in December 2010. As an Entrepreneurial University dedicated to providing quality tertiary education and training at its twelve (12) campuses throughout Trinidad and Tobago, UTT continues to empower nationals to work together to build a stronger country and increase the human capital in critical areas of national development.

UTT has distinguished itself from other tertiary education providers by incorporating a unique portfolio of knowledge products. The University produces work-ready graduates who are aligned to industry expectations and, since its first graduation ceremony in 2006, UTT has graduated over thirteen thousand (13,000) graduates.

With its genesis in the Trinidad and Tobago Institute of Technology (TTIT), UTT's primary focus is on the development of Trinidad and Tobago. Today, the University offers more than fifty (50) programmes which go far beyond engineering and technology while answering the diverse need for educational opportunities existing within Trinidad and Tobago.

UTT
THE UNIVERSITY OF TRINIDAD AND TOBAGO

POSTGRADUATE PROGRAMMES

MASTER OF SCIENCE IN INTEGRATED COASTAL AND OCEAN MANAGEMENT:

Description:

The Master of Science (M.Sc.) in Integrated Coastal and Ocean Management (ICOM) is a postgraduate programme that provides appropriate training and research experience to support sustainable use and rehabilitation of our coasts and oceans. This programme within the Advanced Centre for Coastal and Oceanic Research and Development (ACCORD) targets students interested in a specific career path in ICOM and ensures theoretical and practical knowledge and experience that will be relevant to national, regional and international development and enterprise. Training also provides a hands-on approach to leading edge techniques and technologies and assists improvement of life-skills that will support entrepreneurship. Candidates are provided with the option of undertaking electives from other programmes to allow for experiential flexibility within the programme. Candidates are also provided with supportive faculty and are assigned tutors/mentors specific to their area.

Programme Venue:

UTT Chaguaramas Campus

Duration:

Part-time only; Two (2) years

Entry Requirements:

- A Bachelor of Science or Bachelor of Applied Science degree from an approved university with a B+ average, upper second class, or an equivalent cGPA; OR
- A Bachelor of Science or Bachelor of Applied Science degree with a lower B+ average but with compensating experience and/or qualifications; OR
- Other professional qualifications and experience deemed suitable by the Board for Post-Graduate Studies, Research and Development; AND
- Should have general computer skills. Experience with MS Excel (or equivalent) and/or databases are advantageous
- An essay submission with a count between fifteen hundred (1500) to two thousand (2000) on, *"Why do you want to do a Master of Science in Integrated Coastal and Ocean Management programme?"*

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.



EXECUTIVE MASTERS IN SPORT MANAGEMENT:

Description:

The Executive Masters in Sport Management programme is for students with an interest in management and administration of sport, recreation, fitness, exercise and allied fields.

Programme Venue:

UTT Corinth Campus

Duration:

Full-time only; Two (2) years (Mondays to Fridays on evenings from 4:00 p.m. to 8:00 p.m. two (2) to three (3) times weekly)

Entry Requirements:

- A relevant bachelor's degree from a recognised university.

Note: Applicants will be interviewed.



MASTER OF ARTS IN CARNIVAL STUDIES:

Description:

The Master of Arts in Carnival Studies programme will focus on Carnival as both a cultural product and a cultural practice that are unique to the multicultural society of Trinidad and Tobago. It will provide a lens through which students will come to understand the richness, aesthetic beauty and depth of the festivities relevant to Carnival in particular and to the folk traditions of Trinidad and Tobago in general. The courses will deal with Mas, Masking and the Masquerade, the history and evolution of the music and the instruments as well as the management, business, development and spread of Carnival at home and abroad.

This is a programme in which students will further their research and ethnography skills, study the history of Carnival, calypso and steelband, the relative economic and social issues that arise as well as the related and applicable themes of ethno-musicology and entrepreneurship.

Programme Venue:

UTT John S. Donaldson Port-of-Spain Campus

Duration:

Full-time; One (1) year and Part-time; Two (2) years.

Entry Requirements:

- A bachelor's degree from an accredited college or university
- An undergraduate grade point average (GPA) of 3.0 or higher (normally an upper second degree)
- A grade point average (GPA) of 3.0 on any previous graduate work.
- Experience in Carnival, Carnival Studies or a related Carnival industry will serve as an asset for applicants.



THE UNIVERSITY OF TRINIDAD AND TOBAGO

POSTGRADUATE PROGRAMMES

MASTERS IN HEALTH ADMINISTRATION:

Description:

The Masters in Health Administration is designed to enhance the management and leadership capabilities of middle and senior level managers in the Health Sector. It is a taught Masters degree based on coursework, examinations and a project.

The programme is organised to address management gaps within the Trinidad and Tobago Health Sector, utilising established principles and practices in the following key areas:

- Health Systems
- Management
- Leadership
- Health Operations Management
- Health Sector Planning and Quality

Programme Venue:

UTT O'Meara Campus

Duration:

Part-time only; Three (3) years (At least one [1] weekend per month all day Friday, Saturday and Sunday; 8:00 a.m. – 5:00 p.m.)

Entry Requirements:

- A bachelor's degree in a related field and work experience at middle or senior management level in the Health Sector (Public or Private Sector).
- Mature students with significant Public and/or Private Sector experience are encouraged to apply.
- Applicants are also required to submit a one-page statement of reasons for study and two (2) referees.

Note: Applicants may be required to participate in an interview.



MASTER OF SCIENCE IN PETROLEUM ENGINEERING:

Description:

The Master of Science (M.Sc.) in Petroleum Engineering is designed for students with an engineering or equivalent degree other than Petroleum or Geological Engineering. The objective of the programme is to produce graduates with the skill sets that can be immediately useful in the upstream petroleum industries.

The programme consists of a combination of coursework, taught courses and a project thesis, 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 Venue:

UTT Point Lisas Campus

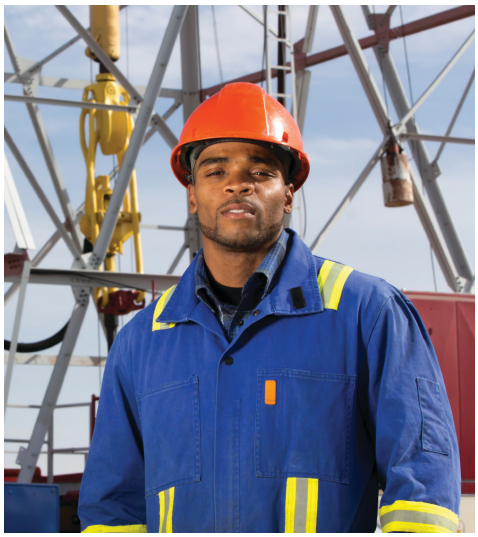
Duration:

Full-time only; One (1) year (12 months) lectures are scheduled Monday through Saturday from 9:00 a.m. - 4:00 p.m.

Entry Requirements:

- A bachelor's degree in Engineering, Applied Physics or related fields with a minimum cGPA 2.50.
- A combination of undergraduate education and equivalent experience will also be considered.

Note: The Master of Science in Petroleum Engineering programme is accredited by the Energy Institute (EI) of the United Kingdom (UK).



MASTER OF SCIENCE IN INFORMATION AND COMMUNICATION TECHNOLOGY:

Description:

The Master of Science (M.Sc.) in Information and Communication Technology seeks to ensure competencies in areas such as Security, Application Development (including mobile development) Multimedia, Telecommunications and Networking. There is also an emphasis on Leadership and Entrepreneurship.

The programme is a taught-based degree with eleven (11) 3-credit courses and a 4-credit project. Courses and research topics are based on areas of specialisation, such as:

- Computer Security
- Intelligent Systems
- Communications
- Sensor Networks
- Bioinformatics
- Haptics and HCI
- Computer Networks
- Wireless Systems

Programme Venue:

UTT John S. Donaldson Port-of-Spain Campus (with video conferencing at the UTT San Fernando Campus)

Duration:

Part-time only; Two (2) Years (evening classes only)

Entry Requirements:

- A bachelor's degree in Engineering, Computer or Information Science, or an approved science or technical field.



MASTER OF SCIENCE IN RESERVOIR ENGINEERING:

Description:

The Master of Science (M.Sc.) in Reservoir Engineering is offered to applicants who want to specialise in Petroleum Reservoir Engineering. Applicants are not required to have a background in petroleum engineering. Students with a bachelor's degree other than petroleum engineering who have degrees in engineering, mathematics, or sciences can also be considered for this programme. The objective of the programme is to produce graduates who will be industry-ready to make a significant contribution from the first day on the job.

The programme has been designed to be a combination of coursework and a project thesis intended to encourage students to utilise their initiative to solve problems in Reservoir Characterisation and Reservoir Engineering.

Programme Venue:

UTT Point Lisas Campus

Duration:

Part-time; Two to three (2-3) years, depending on undergraduate background.

Entry Requirements:

All applicants to the programme must possess a bachelor's degree with a minimum cumulative Grade Point Average (cGPA) of 2.70. A combination of undergraduate education and relevant experience will also be considered.

Required Background Courses
Background courses are required to ensure that students who graduate from the programme have adequate basic knowledge of petroleum engineering (PE). Background courses must be (or have been) passed with a minimum grade of C or 2.0 GPA on a 4.0 scale.

Students who have significant work experience in the petroleum industry can be exempted from some background PE courses, depending on their level of experience and job functions. Generally, students who have worked in a specific area for more than two years will be exempted from the area. Students who take and successfully pass extensive short courses from a company sponsored education programme or university course can be exempted from that background area.

Students are responsible for satisfying the background course requirement regardless of their previous degrees. Students will not be allowed to graduate until they satisfactorily complete these requirements and provide official documentation of the courses they have taken.

There are two basic categories of background courses. Recommended courses that satisfy the requirements at UTT are given in parenthesis in the lists below. Other courses can satisfy the requirement with the approval of the Programme Leader.

1. **Background PE areas:**
   - Reservoir Engineering (RESR3001)
   - Well Logging (FMEV2002)
   - Drilling Engineering (DRLG3001)
   - Production Engineering (PROD3001)
   - Natural Gas Engineering (RESR3002)
   - Geology (GEOL2003)

2. **Background Engineering areas:**
   - Mathematics (MATH2015)
   - Thermodynamics (THRM1001)

Mature Student Entry:

Applicants with significant industry experience and practice will be considered as determined by the Programme Professor.



MASTER OF SCIENCE IN OPERATIONAL MARITIME MANAGEMENT:

Description:

The maritime industry in Trinidad and Tobago requires qualified shore-based professionals to facilitate the growth of the sector. This M.Sc. in Operational Maritime Management is one of the means of developing the skill of those managers already in the shore-based industry. It also provides an opportunity for persons new to the field to gain insights and conduct research into an emerging and dynamic local and international sector.

This degree is accredited by the Institute of Marine Engineering Science and Technology (IMarEST) of the United Kingdom (UK).

Programme Venue:

UTT Chaguaramas Campus

Duration:

Part-time only; Two (2) years

Entry Requirements:

- An officer in the Merchant Navy who holds a Management Level Certificate of Competency in compliance with the International Convention Standards of Training, Certification and Watchkeeping for Seafarers(STCW), 1978, as amended in 1995 and a minimum of two (2) years' service in this capacity; OR
- An officer in the Merchant Navy who holds an Operational Level Certificate of Competency in compliance with the International Convention Standards of Training, Certification and Watchkeeping for Seafarers(STCW), 1978, as amended in 1995 OR
- A relevant bachelor's degree
- A minimum of ten (10) years middle–management experience in a maritime–related company.



THE UNIVERSITY OF TRINIDAD AND TOBAGO

POSTGRADUATE PROGRAMMES

MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE AND MANAGEMENT:

Description:

The Master of Science (M.Sc.) in Environmental Science and Management programme is designed to prepare professionals to become technical managers and leaders in the areas of Environmental Science and Management. Graduates of this programme should be able to apply scientific principles and technical knowledge to the management of environmental issues particularly those of air, water, soil and noise pollution pertinent to Trinidad and Tobago and the wider Caribbean region. They should be able to support the sustainable national developmental goals and fill identified human resource gaps in business and industry. Students are trained, in particular, in preparing Environmental Impact Analysis and Risk Assessment reports via a full taught course in each topic accompanied by appropriate field trips to local companies.

The programme is structured to provide graduates with both breadth and depth via their exposure to a range of environmental issues, tools, techniques and bodies of knowledge and also through the application of core specialist knowledge to specific 'real-life' research questions. The programme consists of eleven (11) compulsory courses and a project or practicum, each of which is three (3) credits totalling 36 credits.

Programme Venue:

UTT O'Meara Campus

Duration:

Full-time only; Two (2) years (evening classes only)



Entry Requirements:

- A bachelor's degree in Environmental Science, or Environmental Engineering; PLUS at least one (1) year of post bachelor's work experience related to the environmental field; OR
- A bachelor's degree in a non-related environmental field of Natural or Physical Sciences PLUS at least two (2) years of post bachelor's work experience related to the environmental field; OR
- A bachelor's degree; PLUS at least five (5) years of related work experience in the environmental field, and evidence and demonstration of previous exposure to relevant environmental, technical or professional development training

Mature Student Entry:

Applicants not meeting the above requirement but who possess five (5) or more years relevant work experience and can demonstrate previous exposure to technical or professional development training may also apply. Such persons will be considered on a case by case basis.

Admission with Advanced Standing:
Applicants with qualifications and experience deemed suitable for advanced standing by the Programme Professor, will be forwarded to the Postgraduate Studies, Research and Development Committee for ratification.

MASTER OF PHILOSOPHY:

Description:

The Master of Philosophy (M.Phil.) shall be awarded on the basis of a thesis based on innovative work demonstrating evidence of mastery in the application of advanced techniques in the solution of a research problem, together with the successful completion of all applicable coursework requirements and oral defence of the thesis.

Programme Venue:

UTT O'Meara Campus

Duration:

Full-time & Part-time

Entry Requirements:

- Persons holding a taught Masters degree from an approved university with a B average or equivalent GPA.
- Persons holding a bachelor's degree from an approved university with a B+ average, or Upper Second Class Honors or equivalent GPA.
- Persons with other professional qualifications and industrial or business experience deemed to be suitable by the Post Graduate Studies and Research Committee.

DOCTOR OF PHILOSOPHY (Ph.D.):

Description:

Doctor of Philosophy (Ph.D.) degrees are awarded on the basis of a thesis based on original research, together with successful completion of any coursework requirements. The thesis shall require documentation of a significant original contribution to the body of knowledge in the area of study and oral defence of the thesis.

Programme Venue:

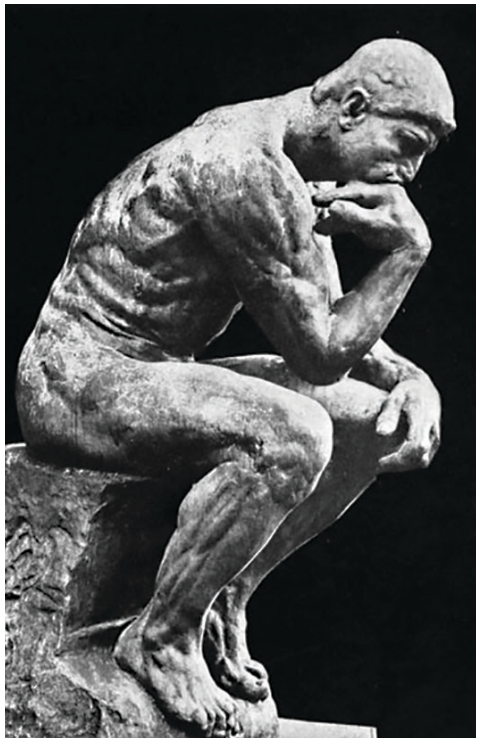
UTT O'Meara Campus

Duration:

Full-time & Part-time

Entry Requirements:

- Persons holding a research Masters degree from an approved university.
- Persons holding a taught master's degree from an approved university with a "B" average or equivalent GPA.
- Persons with other professional qualifications and experience deemed to be suitable by the Post Graduate Studies and Research Committee as recommended by the Programme Professor/Leader.



MASTER OF SCIENCE IN INNOVATION AND ENTREPRENEURSHIP

The Masters programmes are designed with two degree options:

- **MASTER OF SCIENCE IN INNOVATION, MANUFACTURING MANAGEMENT AND ENTREPRENEURSHIP (IMME)**
- **MASTER OF SCIENCE IN INNOVATIVE DESIGN AND ENTREPRENEURSHIP (IDE)**

Description:

The Masters in Innovation and Entrepreneurship are 18-month postgraduate programmes, designed to provide graduates with the technical skills, personal development and industrial experience needed to be effective in their industrial, business or entrepreneurial careers. The programmes expose the graduates to a number of business and technical subject areas, which cover the fundamentals of strategy, marketing, entrepreneurship, human resource management, operations management and product and process design. The Masters consist of a combination of taught courses, industry projects, and an individual research or design project. The programmes include an international study tour intended to expose graduates to best practices in regional and global business and industrial settings. Graduates also develop a new venture proposition, where they complete a business plan for launching a new product, a new business venture or a business solution in an existing company.

Programme Venue:

UTT Valsayn Campus

Duration:

Part-time: Eighteen (18) months

Entry Requirements:

Entry to the M.Sc. programmes will normally require the following qualifications and/or experience:

- Persons holding a bachelor's degree from an approved university with a B+ average or Upper Second Class honors or an equivalent GPA.
- Persons holding a bachelor's degree with a lower than B+ average but with compensating experience and/or qualifications.
- Persons with other qualifications and experience deemed suitable by the Board for Post Graduate Studies, Research and Development.

Mature Student Entry:

An applicant who may not possess all the stipulated minimum academic qualifications for admission to the programme may be accepted as a Mature Student provided that upon assessment, he/she possesses critical elements of academic and/or industry experience to enable successful entry into the programme.



MASTER OF EDUCATION IN EDUCATIONAL TECHNOLOGY:

Description:

The programme is designed for persons who wish to explore careers as education software/games developers; E-learning consultants; educational video producers; instructional designers; technology support specialists; teachers; web and/or multimedia designers; distance learning developers; content development specialists; and learning management systems developers.

Programme Venue:

UTT Valsayn Campus

Duration:

Part-time; Two (2) years

Entry Requirements:

Applicants for this programme must possess:

- a bachelor's degree from an accredited college or university
  - consideration will be given to the holders of degrees in computer science, information systems, information technology, web development, media and technology and other related fields.
- an undergraduate grade point average (GPA) of 3.0 (on a 4.0 scale) or higher.
- a GPA of 3.0 on any previous graduate work. In case of GPA deficiency, experiential and lifelong learning may be considered.
- a minimum of two letters of recommendation, which on the whole, clearly reflect professional success and predict academic success at the graduate level
- statement of purpose clearly indicating that the proposed Master's degree is appropriate to the applicant's professional aspirations
- statement of intent – a short description of the area of technology integration that would be the focus of the applicant
- students may be required to complete an interview with faculty members of the Centre for Education Programmes

Mature Student Entry:

An applicant who does not satisfy all the stipulated minimum academic 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. A petition should be submitted to the Centre for Education Programmes detailing the experience and qualifications in lieu of the required GPA.