



**University of Technology, Jamaica**

**Faculty of Education and Liberal Studies**

**School of Technical and Vocational Education (SoTaVE)**



Master of Science

**Career and Technical Education**

# PROGRAMME INFORMATION

## PHILOSOPHY

The Master of Science in Career and Technical Education aims at equipping practicing and aspiring career and technical teachers, industrial trainers, project managers and leaders in various economic sectors of the society with higher level technical, occupational, training, leadership and managerial skills and attitudes necessary for the world of work. Participants will develop the ability to innovate and share a vision for excellence in re-search, teaching and learning; to become leaders and managers of change that will promote collaborative relationships within their workplaces communities.

## OVERVIEW

The Programme consists of Core Modules (15 Credits), Research and Professional Content (9 Credits), and Technical Specialization (12 Credits). Students have the option to select modules from other graduate programmes across the University to satisfy programme requirement in the technical specialization. Programme modules shall be assessed by coursework, portfolios, examinations, presentation and grading of seminars and research dissertation.

# ENTRY REQUIREMENTS

Applicants should have a Bachelor's degree in the related career & technical education, vocational education, industrial arts, or any related occupational education disciplines obtained from an accredited university or institution. Such candidates would have a minimum 2.7 grade point average.

Students without the requisite GPA or CTE background may qualify using other criteria such as prior learning experience as prescribed by the School of Graduate Studies, Research and Entrepreneurship (SGSRE) and the Faculty of Education and Liberal Studies.

They may be required to satisfy an interview, entry examination, and register for additional modules to account for any deficiency. The equivalent entry requirement should equate to a lower second class honours degree from the University of Technology, Jamaica.

# PROGRAMME CONTENT

## Core Modules

- Operation and Project Management
- Media Technology Integration in Teaching and Learning
- Policy, Trends & Issues in Career & Technical Education
- Contemporary Education Training & Development System for productivity
- Human Resource Management
- Academic Writing for Graduate Students

## Research & Professional Content

- Research Methods
- Professional Practicum & Major Technical Report

# MODULES IN THE TECHNICAL SPECIALIZATIONS

## Industrial Technology

- Industrial Automation & Systems Integration
- Building Services & Management
- Special/logic in Energy Conservation, contract Management
- Computerized Rendering & Animation
- Power & Control Processes and Net-works
- Principles of GIS
- Hazard mitigation & disaster management software engineer

## Family and Consumer Studies

- Financial Literacy for Families
- Contemporary Issues in Family & Consumer Studies
- Families in crisis
- Family & Community Support
- Dynamics of aging families
- Decision making and Career Education

# MODULES IN THE TECHNICAL SPECIALIZATIONS

## Business & Information Technology

- Database Management
- Management of Technology
- Managerial Economics
- Accounting Theory
- Electronic Business
- Information Systems
- Global Business
- Software Engineering

# METHOD OF DELIVERY

## Delivery Options

- Full-time (21 months covering four semesters and one summer session)
- Part-time:(24 months (covering four semesters and two summer sessions).
- Both options have provisions for online delivery
- Two modules every week (Monday— Friday from 6-9 p.m.).
- Modules from other faculties may be offered on different days. Face to face at UTech Main Campus.
- One module per semester by distance/online mode
- During summer up to three modules will be delivered face-to-face and possibly one online
- Fulltime students could take additional modules when available within each semester
- During the practicum period modules will also be delivered by online mode
- Some modules can be done through supervised independent study

# ADDITIONAL INFORMATION

## Individual Course Offer

- Courses are also offered to non-participants who wish to complete individual module independently.

## Tuition Fees

- Affordable with flexible payment plan.

Application Forms are available from the Admissions Office

Website: <https://www.utech.edu.jm>