



University of Technology, Jamaica

Faculty of Education and Liberal Studies

School of Technical and Vocational Education (SoTaVE)



MPhil/PhD

Career and Technical Education

PROGRAMME INFORMATION

PHILOSOPHY

The Master of Philosophy 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. Through this programme, participants will develop the ability to innovate and share a vision for excellence in research, teaching and learning; raise a new generation of critical and creative thinkers, problems-solvers, leaders and managers of change that will promote collaborative relationships within their workplace and communities

GOALS

The Programme is designed to broadly strengthen the teaching profession by building the instructional and leadership capacity of current technical education practitioners in schools, ministries and the industries, as well as to pre-prepare prospective candidates aspiring for higher degree, Ph.D in Career and Technical Education. The programme will enable participants to meet the challenges of the contemporary educational and workplace environments. It is focused on high level capacity development of the participants in the areas of research, project management, educational leadership and training in Career and Technical Education.

PROGRAMME OVERVIEW

The MPhil Programme consist of four components as follows: **Core Modules** (6 credits) **Technical Specialization** (9 credits), **Research Seminar** (3 credits) and **Research dissertation** (22 credits).

Students have the option to select modules from other graduate programmes across the University to satisfy programme requirement. The programme will be delivered on both part-time and full-time bases. The part-time option will be done within 22 months (covering four semesters and two summer sessions), commencing in September each year.

The full-time option will be delivered within a minimum of 18 months covering 4 semesters and one summer session starting in September each year. Both options have provisions for online delivery mode.

Programme modules shall be assessed by coursework, portfolios, examinations, presentation and grading of seminars and research dissertation.

ENTRY REQUIREMENTS

Master of Philosophy

Admissions to the MPhil degree in Career and Technical Education required that applicants have a Bachelors degree in the related career technical, vocational education industrial arts, or any related occupational education disciplines abstained from an accredited university or institution. Such candidates should have a first class or upper second class honours degree or its equivalent (at least 3.0 GPA). Applicants will be considered on their merits and in relation to the nature and scope of the work proposed.

Doctor of Philosophy

Persons who have completed the 40 credits for the M. Phil degree will be required to do an additional 50 credits for upgrading to the Ph.D. These include additional credits for Research Seminar and Research Dissertation. Persons who are entering the PhD programme with a Master's degree will be assessed on a case by case basis and granted credit for work done.

PROGRAMME CONTENT

Core Modules

- Research Methods
- Descriptive & Inferential Statistics
- Academic Writing for Graduate Students

Research Seminar

- At least (3) seminars and a comprehensive exam
- At least (5) seminars and a PhD dissertation presentations.

MODULES IN THE TECHNICAL SPECIALIZATIONS

Any 3 modules (9) credits at the MPhil and any one additional module (8) credits) at the PhD to be selected from the list below.

Modules may also be completed from other UTech Master's programme outside these or through supervised independent studies.

Industrial Technology

- Industrial Automation & Systems Integration
- Building Services & Management
- Special/logic in Energy Conservation, Contract Management
- Computerized Rendering & Animation
- Power & Control Processes and Networks
- 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

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

- MPhil Full-time (18 months covering four semesters and one summer session).
- MPhil Part-time (24 months covering semesters and 2 summer session).
- Both options have provisions for online delivery.
- Two –three 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).
- During summer up to 3 modules will be delivered face-to-face and possibly one online.
- Fulltime students could take additional modules when available within each semester.
- Students will be assigned to supervisors who will guide research and seminars when due.