



## **ICT UNIVERSITY**

### **PHD - INFORMATION COMMUNICATION TECHNOLOGY (ICT)**

#### **STUDY PROGRAM**

This program prepares students to address challenges related to information communication technology at the highest level of an organization. Students will examine the latest developments in technology and develop solutions for complex ICT strategies to company executives and stakeholders. The coursework focuses on ICT strategic analysis; Information Management and human computer interaction. The curriculum blends theory and practice through a variety of learning formats including leadership simulations, seminar courses and face-to-face learning.

#### **Learning Outcomes**

Graduates of PhD Information Communication Technology program will be prepared to:

- Assess the relevance of current and emerging business theory and practice from an interdisciplinary perspective
- Formulate and execute effective solutions to complex, real world problems common to practice on ICT
- Apply current research literature from ICT practical problems found in ICT management
- Design and conduct rigorous research that contributes to professional body of knowledge on ICT
- Clearly communicate to stakeholders about problem statements, research approaches, results, solutions and assessment
- Explain their ethical responsibilities as members of the ICT community and citizens in society.

#### **Degree Requirements (57 Semester Credits)**

- Compulsory Core Courses (6 Semester Credits)
- Foundation Core Courses (15 semester Credits)
- Research Sequence (12 Semester Credits)
- Seminar Courses (9 Semester Credits)
- Doctoral study (15 Semester Credits)

## Curriculum

- **Compulsory Core Courses: (6 Credit Hours)**

DICT8100 - Independent Study 1 – Research Ethics

DICT8110 - Independent Study 2 - Integrating Diverse ICT Systems and Leading Global Change Initiatives

- **Foundation Core Courses: (18 credits Hours)**

DICT7000 - Foundation and Communications for Information Technology

DICT7100 - Fundamentals of Information Systems

DICT7120 - Systems Analysis and Design

DICT7130 - Principles of Programming

DICT7140 - Operating System and Network Architecture

DICT7150 – Data Analysis and Design

**NOTE:** *Students should take up to 15 credits of 6 of the courses. Students with evidence of a background in any of these courses can receive 9 credit waivers.*

- **Research Sequence (12 Semester Credits)**

DICT8200 - Quantitative Research Methods

DICT8210 - Qualitative Research Methods

DICT8220 - Manuscript Development 1

DICT8230 - Manuscript Development 2 (Prerequisite DIC8220)

- **Seminar Courses ( 9 Semester Credits)**

DICT8300 - Research Seminar Module 1 - Proposal Writing

DICT8310 - Research Seminar Module 2 – Critical Literature Review

DICT8320 - Research Seminar Module 3 – Advanced Research Methods

DICT8330 - Research Seminar Module 4 – Project Management

*(PhD ICT students only need to pick THREE of the FOUR specialization courses)*

- **Doctoral Study Completion (15 Semester Credits)**

DICT 9000 -Pre-dissertation - Comprehensive Examinations  
(Offered in **SPRING** and **FALL**)

DICT 9100 -Dissertation Research Doctoral Study Mentoring

DICT9200 - Dissertation Research Doctoral Study Completion.

*(15 credits. - 3 credits taken for a minimum of 5 terms)*

**NOTE: Students must have passed the comprehensive exams to enroll in this section. Students who failed the comprehensive exams in Year 3, Semester 1 will continue with pre-dissertation hours. They will have the opportunity to retake the comprehensive exams at the end Year 3, Semester 3.**