

PROGRAMME STRUCTURE

(A) Coursework

The Master of Science (Information Technology) by coursework is a 42 credit hour programme which comprise of:

CORE COURSE (24 CREDIT HOURS)

STID 5014	Advanced Database Design
STIJ 5014	Distributed System
STIN 5014	Artificial Intelligence
STIW 5014	Advanced System Analysis and Design
STIW 5024	Advanced Programming
SZRZ 6014	Research Methodology

ELECTIVE COURSE (12 CREDIT HOURS)

Choose 3 courses from any one of the specialization listed below or any other courses approved by the College:

A) INFORMATION MANAGEMENT

STID 6014	IT Policy and Strategy
STID 6024	Decision Support System
STID 6034	E-Government & Managing ICT in Public Sector
STID 6044	Managing Knowledge in a Changing World
STID 6054	Seminar in Information Technology

B) NETWORK AND COMMUNICATION

STIJ 6014	Network Security
STIJ 6024	Information Security
STIJ 6034	Network Management
STIJ 6044	Mobile Internet Programming
STIJ 6054	Computer Forensic
STIK 6014	Network Architecture and Design

C) ARTIFICIAL INTELLIGENCE

STIN 6034	Intelligent Agent Development
STIN 6044	Intelligent Database
STIN 6054	Web Based Intelligent System
STIN 6064	Natural Language Computing
STIN 6074	Fuzzy Logic
STIN 6084	Genetic Algorithms

D) SOFTWARE ENGINEERING

STIJ 6044	Mobile Internet Programming
STIV 5014	Interaction Design
STIV 6014	Usability Engineering
STIW 6014	Requirements Engineering
STIW 6024	Measuring Software Quality

E) MULTIMEDIA

STIJ 6044	Mobile Internet Programming
STIV 5014	Interaction Design
STIV 6014	Usability Engineering
STIV 6024	Virtual Reality
STIV 6034	Video Production Technique

PROJECT PAPER (6 CREDIT HOURS)

STIZ 6996	Project Paper
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(B) Coursework and Dissertation

The Master of Science (Information Technology) by coursework and dissertation is a 40 credit hour programme, which comprise of:

CORE COURSE (16 CREDIT HOURS)

STID 5014	Advanced Database Design
STIJ 5014	Distributed System
STIW 5014	Advanced System Analysis and Design
SZRZ 6014	Research Methodology

ELECTIVE COURSE (4 CREDIT HOURS)

Choose 1 course from the courses listed below or any other course approved by the College:

STID 6054	Seminar in Information Technology
STIJ 6024	Information Security
STIN 5014	Artificial Intelligence
STIV 5014	Interaction Design
STIV 6014	Usability Engineering
STIW 6024	Measuring Software Quality

DISSERTATION (20 CREDIT HOURS)

STIZ 69920	Dissertation
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(A) Research

Students are required to:

- i. Present and defend proposed research to a committee;
- ii. Present progress reports of research work at colloquiums arranged by the Graduate School or College;
- iii. Attend a viva session to defend the thesis; and
- iv. Submit a final thesis.

Students without sufficient research skills and knowledge are required to attend and pass the following courses with at least a B grade before being allowed to defend their proposal (i.e. within the first two semesters of their enrollment):

- i. SZRZ 6014 Research Methodology;
- ii. SCLE 6014 Academic Writing; and/or
- iii. Any other course as determined by the supervisor or Academic Committee.