



**UNIVERSITY OF THE EAST**  
Graduate School  
Manila

<b>Master in Information Technology (MIT)</b>		
<b>Core</b>		
GIT 7101	Parallel and Distributed Computing*	3
GIT 7102	Advanced Database Systems*	3
GIT 7103	Technology and Project Management	3
GIT 7104	Advanced Systems Design and Implementation	3
		<b>12</b>
<b>Major</b>		
GIT 7105	Network Security*	3
GIT 7106	Advanced Data Mining*	3
GIT 7107	Business Intelligence	3
GIT 7108	Special Topics in Emerging IT	3
		<b>12</b>
<b>Elective for Technology Management</b>		
GIT 7109	Organizational Change and Development	3
GIT 7200	Enterprise Architectures	3
GIT 7201	IT Service Management	3
GIT 7202	Managing Technology Development	3
		<b>6</b>
<b>Elective for Security Management</b>		
GIT 7203	Cryptography	3
GIT 7204	Intrusion Detection	3
GIT 7205	Information Security and Assurance	3
GIT 7206	Information Security-Risk Management	3
		<b>6</b>
GRR 7700	Comprehensive Examination	-
GIT 7908	Capstone Project 1 – Project Proposal	3
GIT 7909	Capstone Project 2 – Project Implementation	3
		<b>6</b>
		<b>At least one (1) publication in refereed journal or juried creative work.</b>
<b>Total</b>		<b>36</b>

\* CHED Acknowledgement Receipt 2017-2018

## CORE

### **GIT7101 Parallel and Distributed Computing**

Hardware and software in modern operating systems, distributed and networked operating systems, and real time operating systems. (3 units)

### **GIT 7120 Advanced Database Systems**

Modern database and information systems and research issues in IT (3 units)

### **GIT 7103 Technology and Project Management**

Fundamental project management principles and methodologies for software development life cycle and process models (3 units)

### **GIT 7104 Advanced Systems Design and Implementation**

Design and development of enterprise-scale information system solutions, contemporary methods and effective organizational and global project management practices (3 units)

## MAJOR

### **GIT 7105 Network Security**

Designing tight information security environment and IT infrastructure (3 units)

### **GIT 7106 Advanced Data Mining**

Data mining for business and data analytics (3 units)

### **GIT 7107 Business Intelligence**

Theories and methodologies for handling large amount of data and information (3 units)

### **GIT 7108 Special Topics in Emerging IT**

Credit: 3 units

## ELECTIVE for Technology Management

### **GIT 7109 Organizational Change and Development**

Exploration on the role of leadership in creating change (3 units)

### **GIT 7200 Enterprise Architectures**

Business view of enterprise architectures transition activities utilizing elements of standard (3 units)

### **GIT 7201 IT Service Management**

Essentials of IT service management methodologies used in IT outsourcing industry (3 units)

### **GIT 7202 Managing Technology Development**

Exploration on the intersection of business strategy and IT (3 units)

## Elective for Security Management

### **GIT 7203 Cryptography**

Theoretical foundations of rigorous proofs of security (3 units)

### **GIT 7204 Intrusion Detection**

Essential components of network security solution package (3 units)

### **GIT 7205 Information Security and Assurance**

Security models, software security and systems life cycle management (3 units)

### **GIT 7206 Information Security-Risk Management**

Concepts of risk management & detailed aspects of incident response & contingency planning (3 units)

### **GIT 7908 Capstone Project I – Project Proposal**

Application of theoretical knowledge to projects based on actual data (3 units)

### **GIT 7909 Capstone Project II – Project Implementation**

Application of the core concepts, best practices and standards to business needs that require creation of technology solution (Pre-requisite GIT 798, 3 units)