

Master of Information Technology

Graduate Program in Information Technology

It is expected the graduates of Information Technology Study Program have competency as a leader with vision and future insight, able to design and apply information technology that will improve work performance of organization.

It emphasizes on following aspects:

1. Advise
Able to provide an input about products, services, strategy and structure organization, particularly regarding to technical competency of Information and Communication Technology (ICT).
2. Value/Assess
Doing research on products, copy rights, facilities and human resource in context of organization business and the possibility of new potential business.
3. Vision
Building a vision about possible technology and its impact to organization business area, and how to using the benefit with its changes.
4. Communicate
Communicating organization vision to staff to support the change and increasing organization's profit.
5. Manage
Managing the development and operational of ICT division to supporting utilization of technology for organization and preparing the expert to new technology.
6. Innovate
Get involved into research and product development directly, especially for creative process and its utility evaluation.

Supplies for the Post-Graduate Study Program consist of two aspects: information technology and business knowledge where it is expected that the graduates will have a commanding view to the process and performance of business corporate. The supply focuses on information technology referring to research, management and latest technology update.

Process management in development of information technology is the core of subject given, including IT Services, IT Strategic Management, IT Strategic Planning, Software Process Management, and Information Integration Technology. Technical aspect which has become new trend, such as Service Oriented Architecture, Open Source Architecture, Web/Mobile Technology and Network Issue turn into varieties in delivering the materials.

Vision

A world class Information Communication Technology (ICT) Graduate Program which delivers visionary and innovative ICT Leaders in business and the advancement of knowledge and applications.

Mission

1. Preparing outstanding visionary ICT leaders for industry and government which are capable in facing the challenge of the future in Information Communication Technology
2. Providing an excellent advanced education/research and professional services in information technology, recognized globally, that attracts and retains a talented and creative student body and faculty.
3. Generating innovative technologies leading to new products and improved business processes, thus enhancing the quality of life.

Program Objective

1. To provide students with ICT best practices in order to increase their competitive advantage by applying the leading technologies.
2. To provide students with advanced knowledge in innovation, technology, and leadership in order to pursue efficient as well as effective business processes.
3. To provide students with international experience in research and development in order to improve humanity as well as environmental aspects.

Graduate Competency

1. Graduates will be able to design an ICT infrastructure blue print and strategic plan that can be applied by industry.
2. Graduates will be able to value the transformation of data into knowledge in order to attain business competitiveness.
3. Graduates will be able to propose ICT solutions in any fields, based on computational intelligence by applying state of the art research and development that can increase the value of humanity and environmental aspects.

Prospective career of the graduate

Master of Management Information System graduates have the opportunity to fill positions at prestigious firms such as IT Leader, IT Innovator, IT Business Creator, IT Consultant, IT Solution and System Integrator, IT Project Manager, IT Lecturer.

Course Structure

SEMESTER 1

Periode 1

Mata Kuliah	SKS
T7043 – IT Services	3
T7183 – IT Risk Management and Disaster Recovery	3

Periode 2

Mata Kuliah	SKS
T7053 – IT Project Management	3
T7073 – Research Methodology	3
Peminatan: Information Engineering	
T7013 – Advanced Software Engineering	3
Peminatan: IT Infrastructure Management	
T7013 – Advanced Software Engineering	3
Peminatan: Computational Intelligence	
T7203 – Knowledge Data Discovery	3

SEMESTER 2

Periode 1

Mata Kuliah	SKS
Peminatan: Information engineering	
T7193 – IT Portfolio Management	3
T7023 – Advanced Database Systems	3
T7283 – Business Data Engineering	3
Peminatan: IT Infrastructure Management	
T7193 – IT Portfolio Management	3
T7023 – Advanced Database Systems	3
T7033 – Network Technology	3
Peminatan: Computational Intelligence	
T7233 – Machine Learning	3
T7246 – Selected Topics in Computational Intelligence I	6

Periode 2

Mata Kuliah	SKS
T7270 – Pre Thesis	0
Peminatan: Information engineering	
T7063 – IT Strategic Planning	3
T7083 – Services Oriented Architecture	3
Peminatan: IT Infrastructure Management	
T7063 – IT Strategic Planning	3
T7083 – Services Oriented Architecture	3
Peminatan: Computational Intelligence	
T7266 – Selected Topics in Computational Intelligence II	6

SEMESTER 3

Periode 1

Mata Kuliah	SKS
Peminatan: Information Engineering	
T7223 – Multimedia Indexing and Retrieval	3
T7293 – Ethical Issues in Electronic Information System	3
Peminatan: IT Infrastructure Management	
T7213 – Network Governance	3
T7293 – Ethical Issues in Electronic Information System	3
Peminatan: Computational Intelligence	
T7223 – Multimedia Indexing and Retrieval	3
T7253 – Machine Vision	3

Periode 2

Mata Kuliah	SKS
T7166 – Thesis	6