



Faculty of Engineering and Technology

The Faculty of Engineering and Technology (FET) is one of Indonesia's leading schools of engineering and technology recognized for the quality of its programs, faculty and facilities. We offer a premier educational experience for success in competitive careers in computer science, information technology, and engineering. According to industry experts, our approach makes our graduates the most competitive in Indonesia.

INFORMATION SYSTEMS/APPLIED COMPUTING – INFORMATION MANAGEMENT PROGRAM (TWO-DEGREE PROGRAM)

The program prepares graduates to work in several sectors to integrate information technology solutions and business processes for the purpose of meeting the information needs of businesses and organizations. Our graduates will understand both technical and organizational factors, and help organizations determine how information and technology-enabled business processes can provide a competitive advantage. They are expected to contribute to the nation's development in the Information Systems sector, particularly in the e-Commerce, Data Analysis, Data Science, and Information Security sectors.

Competencies to achieve:

- Mathematics and Statistics
- Algorithms
- Business Functions
- Business Model
- Organizational Behavior
- e-Business
- Information Management
- Database Management System
- Information Security
- Information Systems Audit
- Project Management
- Risk Management
- Change Management
- System Integration
- Enterprise Architecture

Career Pathways

Potential career pathways for graduates of Information Systems include, but are not limited to:

- E-Commerce systems developer
- E-Commerce systems analyst
- Big data scientist
- Big data analyst
- Information systems auditor
- Information systems consultant
- Information systems technopreneur



SEMESTER I		
CODES	COURSE TITLE	CREDITS
GCOM1304	Composition I	3
GMAT1505	Calculus & Analytical Geometry I	5
GHUM1301	Pancasila	3
GHUM1303	World Religion	
VCDD4328	Wayang Study	3
GHUM1306	Basic Fundamentals of Drawing	
VCDD1326	Design Thinking & Theory	
GBUS1301	Introduction to Business	3
Total		17

SEMESTER II		
CODES	COURSE TITLE	CREDITS
ENGR1301	Comp. Progr. for Eng. Applications	3
GCOM1305	Composition II	3
GHUM1301	Pancasila	3
GHUM1303	World Religion	
GSCI1308	General Biology I	3
GSCI1108L	General Biology I Lab	1
GSOC2304	Social Problems	3
GSOC2303	Psychology	
GSOC1301	Principles of Macroeconomics	
GSOC2306	U.S. History Since 1877	
GSOC2304	Social Problems	3
GSOC2303	Psychology	
GSOC1301	Principles of Macroeconomics	
GSOC2306	U.S. History Since 1877	
Total		19

SEMESTER III		
CODES	COURSE TITLE	CREDITS
MTED3314	Discrete Mathematics	3
GMAT2309	Linear Algebra	3
COMP2424	Data Structures & Algorithms	4
INFS2301	Principles of Information Systems	3
COMP2303	Digital Systems	3
BUSI1301	Basic Economic Issues	3
HED 102A	General Elective	0
Total		19

SEMESTER IV		
CODES	COURSE TITLE	CREDITS
COMP1402	Object Oriented Prog	4
INFS2303	Enterprise Architecture	3
VCDD4427	Web Design	3
GHUM1207	Kewarganegaraan	2
GHUM1208	Indonesian Language	2
INFS2318	Technopreneurship	3
HED 102B	General Elective	0
Total		17

SEMESTER V		
CODES	COURSE TITLE	CREDITS
INFS4325	Intro to Methods of Network Analysis	3
INFS4321	Cyber Ethics	3
GSCI3311	Ecology	3
VCDD3436	Creative Coding	3
VCDD3438	New Media	3
INFS3307	e-Commerce	3
COMP3311	Software Engineering	3
Total		21

SEMESTER VI		
CODES	COURSE TITLE	CREDITS
INFS3319	Introduction to Applied Computing	3
INFS3320	Computational Thinking & Doing	3
COMP3314	Principles of Information Security	3
IENG3310	Technical Writing	3
IENG3306	Intro to Eng Probability & Statistics	3
INFS3304	Informations Systems Audit	3
Total		18

SUMMER		
CODES	COURSE TITLE	CREDITS
STEM4301	Internship for IS	3
Total		3

SEMESTER VII		
CODES	COURSE TITLE	CREDITS
INFS4322	Data Analysis & Visualization	3
INFS4328	Cloud Computing	3
COMP3408	Database Management Systems	4
INFS3305	System Integration	3
IENG4319	Human Side Organization	3
STEM4302	FYP I for IS	3
Total		19

SEMESTER VIII		
CODES	COURSE TITLE	CREDITS
INFS4324	Principles of Web Design	3
GSOC4307	The Individual, Society, & the Law	3
INFS4326	Web Programming for Information Management	3
INFS4327	Database Design	3
STEM4303	FYP II for IS	3
Total		15

TOTAL CREDIT HOURS FOR DEGREE PROGRAM

148

* This Degree Plan is for illustration purposes only actual degree plans may vary

* Degree Plan is subject to change without prior notice.