

## Information Systems

### Introduction

In this internet-of-everything era, positioning of information systems in businesses has changed from secondary needs to primary one. A good investment of technology in a business might give many positive contributions to the company in winning the competitions. Technology couldn't be successfully implemented alone by itself; its implementation should be supported along with a readiness of new business process and also people aspect of the company, which the students will learn about these in the Information Systems study program. In this study program, students will also learn how to supply the business needs with a suitable development, utilization, and investment of information systems.

### Vision

Becoming a world class online learning study program that provides a higher education in information systems area, specialized in Business-IT.

### Mission

The mission of Information Systems Department is to contribute to the global community through the provision of world-class education by:

1. Educating students in information systems that covers knowledge and skills in information systems development for improving business process and creating innovative information systems solutions through online learning processes that meets global standards
2. Nurturing BINUSIAN in research activities by creating a suitable academic atmosphere
3. Fostering BINUSIAN as lifelong learners through self-enrichment in information systems
4. Empowering communities through applied research and information systems solutions in society

### Program Objective

The objectives of the program:

1. To provide students with solid foundation of information systems development skills and knowledge as professionals in information systems
2. Collaboratively to conduct high-impact research in information systems
3. To provide opportunities for lecturers and alumnae in self development and pursuing further studies in information systems
4. To apply information systems solutions in society through community and professional services

### Student Outcomes

After completing the study, graduates are:

1. Able to identify and apply basic concepts in information system planning
2. Able to identify needs and propose alternative solutions in the development of information systems
3. Able to build information system projects to meet organizational needs
4. Integrate information system solutions effectively in an organization
5. Able to formulate needs and propose digital business models by paying attention to business supporting aspects

6. Able to process and integrate the results of data analysis to provide added value for decision making within the organization
7. Able to solve problems through the multidisciplinary approach

### Prospective Career of the Graduates

With the above-mentioned skills and knowledge, the Information Systems graduate is able to follow a career in:

1. Business/System Analyst
2. System/Software Developer
3. Data Engineer
4. IS/IT Consultants
5. Project Leader
6. Technopreneur

### Curriculum

The Information Systems curriculum is designed and referred to the curriculum recommended by ACM and AIS, IS 2002 (Model curriculum and guidelines for undergraduate degree program in Information Systems), IS 2010 (Curriculum guidelines for undergraduate degree program in Information Systems), Computing Curricula 2005 and A Cooperative Project of ACM, AIS, IEEE-CS. In addition, the curriculum has been influenced by foreign universities with a reputation for quality Information Systems Study Programs.

### Course Structure

Sem	Code	Course Name	SCU	Total
1	ISYS6697035	Information System Concept	4	20
	ACCT6174035	Introduction to Financial Accounting	4	
	COMP6598035	Introduction to Programming	4	
	ISYS6300035	Business Process Fundamental	4	
	ISYS6698035	Introduction to Data and Information Management	4	
2	CHAR6019035	Character Building: Pancasila	2	20
	ISYS6702035	Business Application Development	4	
	ISYS6699035	Information Systems Analysis and Design	4	
	ISYS6310035	Information Systems Project Management	4	
	ISYS6701035	User Experience Research and Design	4	
	LANG6031035	Indonesian	2	
3	CHAR6020035	Character Building: Kewarganegaraan	2	20
	ISYS6305035	Enterprise System	4	
	MGMT6072035	Introduction to Management and Business	4	
	ISYS6700035	Technology Infrastructure and System Implementation	4	
	ISYS6780035	Information System Security	6	
4	CHAR6021035	Character Building: Agama	2	20
	ISYS6781035	Business Process Management	6	

	ISYS6515035	Research Methods in Information Systems	4	
	ENGL6163035	English Professional	4	
	ENTR6081035	Entrepreneurship	4	
5	<b>Stream: Digital Business Transformation</b>			20
	ISYS6703035	Digital Business Analysis	4	
	ISYS6704035	Digital and New Media	4	
	ISYS6705035	Digital Business Design	4	
	ISYS6706035	Digital Business Transformation	4	
	ISYS6707035	Digital Marketing	4	
	<b>Stream: Business Analytics</b>			
	ISYS6708035	Advanced in Data and Information Management	4	
	ISYS6332035	Data Warehouse	4	
	ISYS6709035	Data Analytics	4	
	ISYS6710035	Decision Support Systems	4	
	ISYS6605035	Business Intelligence	4	
6	<b>Enrichment Program I</b>			20
7	<b>Enrichment Program II</b>			20
8	ISYS6327035	Thesis	6	6
<b>Total Credit 146 SCU</b>				

\*Student will take one of enrichment program tracks. See enrichment appendix for the tracks detail.

**Enrichment Track Scheme**

Track scheme for semester 6 and 7. Student will take one of tracks

Track	Semester 6			Semester 7								
	MP	FE	IS	IN	EN	RS	CD	SA	IS	FS	IDP	FE
1	v			v								
2	v				v							
3	v					v						
4	v						v					
5	v							v				
6	v								v			
7	v									v		
8	v										v	
9	v											v
10		v		v								
11		v			v							
12		v				v						
13		v					v					
14		v						v				
15		v							v			
16		v								v		
17		v									v	
18		v										v
19			v	v								
20			v		v							
21			v			v						
22			v				v					
23			v					v				
24			v						v			
25			v							v		
26			v								v	
27			v									v

**Note:**

MP : Minor Program

FE : Free Electives

IS : Certified Specific Independent Study

IN : Certified Internship

EN : Certified Entrepreneurship

RS : Certified Research

CD : Certified Community Development

SA : Certified Study Abroad

IDP : Certified Individual Development Project

FS : Further Study

**Students should pass all of these quality-controlled courses as listed below:**

No.	Course Code	Course	SCU	Minimal Grade	Semester
1	CHAR6019035	Character Building: Pancasila	2	B	2
2	ENTR6081035	Entrepreneurship	4	C	4
3	ISYS6300035	Business Process Fundamental	4	C	1
4	ISYS6699035	Information Systems Analysis and Design	4	C	2
5	ISYS6310035	Information Systems Project Management	4	C	2
6	ISYS6700035	Technology Infrastructure and System Implementation	4	C	3
<b>Stream: Digital Business Transformation</b>					
7	ISYS6705035	Digital Business Design	4	C	5
8	ISYS6706035	Digital Business Transformation	4	C	5
<b>Stream: Business Analytics</b>					
7	ISYS6709035	Data Analytics	4	C	5
8	ISYS6605035	Business Intelligence	4	C	5