Information Systems & Management

Introduction

The dual study program in Information Systems and Management which combines Information Systems and Management subjects aims to anticipate the knowledge-based economy in the future characterized by the use of IT application. Information Technology in the business world has shifted towards a more outward-looking characteristic and focused on the increased competition in the free market. Information technology and the business world are closely related considering that Information technology and Information Systems share the role of supporting the organizational activities. They do this by increasing the efficiency of the internal processes in a company and by strengthening the competitiveness of the company, as well as by contributing to the problem solving and decision-making by management.

Vision

Enhancing the sustainability of local and global community through research and innovation in e-business.

Mission

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

1. Educating student in the development of ability to analyze, design, implement and manage a business innovatively through Information technology especially in Asia business management and create readiness to lead to work in various fields both nationally and internationally with quality leadership;
2. Providing solid learning experience by collaborating with prestigious industry through creating the most creative and value-added talents of leaders for global community as well as conducting professional services to improve the quality of life;
3. Providing high-impact research to enhance the sustainability growth of local and international community.

Program Objective

The objectives of the program are:

1. To provide students with solid foundation of system development skill and knowledge to apply skills and ability they will need as system analyze;
2. To provide students with fundamental knowledge in Management Science & Business they will need in management practices;
3. To provide students with Management and Business Skills integrated with IT & high Impact Research (information system, business, management, marketing, finance and business organization) providing adequate tools for business analysis in these areas;
4. To prepare students with skills and knowledge in depth information system related with e-business.

Student Outcomes

After completing the study, graduates are:

1. Able to comprehend the discipline of management;
2. Able to integrate management concept and skills with entrepreneurial mindset;
3. Able to exercise ethical and professional values;
4. Able to utilize ICT as management tool and business solution;
5. Able to identify and formulate the root cause of information system performance through data and information analysis on business process;

6. Able to identify the database needs to build information system;
7. Able to design, create and manipulate and implement computer-based information systems through the study of information systems to develop a strategic plan organizations;
8. Able to design, create, manipulate and implement computer based information system for new business model and process;
9. Able to communicate alternative solutions development and implementation of information systems based on theory either independently or in groups in writing, designing, and prototyping;
10. Able to integrate information systems/technology utilization in solving business problems;
11. Able to apply information system in business strategy;
12. Able to implement E-business technology and application;
13. Able to analyze and interpret the current trend in a mobile application.

Prospective Career of the Graduates

Possible professions for graduates include Information System Corporate Planner, Business/Entrepreneur in Technology, and Digital Business. Additional professions include Information Systems department manager, Manager of Information Systems development project, System Designer, and IT/IS consultant.

Curriculum

The dual study program for Information Systems and Management developed its curriculum based on the Vision and Mission of Bina Nusantara University. The curriculum has been influenced by the Association for Computing Machinery (ACM), Association for Information Systems (AIS), and the curriculum of foreign universities that have an international reputation in Management study programs and business.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ISYS6093	Information System Concept	4	20
	ACCT6133	Introduction to Financial Accounting	4	
	ECON6006	Macroeconomics	4	
	MGMT6011	Introduction to Management and Business*	4	
	COMM8006	Business Communication	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: *Pancasila*	2	21
	ECON6005	Microeconomics	4	
	ISYS6186	Business Process Fundamental*	4	
	ISYS6181	Management Information Systems for Leader	4	
	COMP6178	Introduction to Programming	2/2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	

Sem	Code	Course Name	SCU	Total
3	CHAR6014	Character Building: *Kewarganegaraan*	2	24
	MGMT6012	Human Resources Management*	4	
	ENTR6509	Entrepreneurship: Ideation	2	
	LAWS6075	Legal Aspect in Economics	2	
	ISYS6536	Enterprise System*	2	
	ISYS6197	Business Application Development	2/2	
	ISYS6123	Introduction to Database Systems*	2/2	
	ECON8009	Managerial Economics	4	
4	CHAR6015	Character Building: *Agama*	2	24
	ISYS6198	Data and Information Management	4	
	ISYS6537	User Experience	4/2	
	MKTG8005	Marketing Management*	4	
	MATH6048	Business Mathematics*	4	
	BUSS6043	Introduction to E-Business*	4	
5	ISYS6535	Information Systems Analysis and Design***	4/2	24
	MGMT6038	Cross Cultural Management*	2	
	STAT8067	Business Statistics I	2	
	CPEN6048	Computer Networks	2	
	MGMT6018	Operational Management*	4	
	ACCT6049	Managerial Accounting	4	
	FINC6001	Financial Management	4	
6	MOBI6002	Mobile Object Oriented Programming	2/2	24
	ISYS6338	Testing and System Implementation*	2	
	ISYS6211	Web Based Application Development	2/2	
	ISYS6542	Advanced Information System Analysis and Design***	4/2	
	ISYS6478	Research Methods in Information Systems	2	
	ENTR6013	Developing New Business Model & Business Plan*	4/2	
7	MOBI6006	Mobile Community Solution	2/2	24
	ISYS6256	Information Systems Project Management*	4	
	ISYS8108	Knowledge Management*	4	
	ISYS6538	Advanced in Business Application Development	4/2	
	ENTR6511	Entrepreneurship: Market Validation	2	
	STAT8068	Business Statistics II	2/2	
8	BUSS7001	International Business*	4	18
	ISYS6146	Information System Security	2	
	ENTR6012	Innovation & Entrepreneurship*	2	
	BUSS6047	E-Business Strategy*	4/2	
	MGMT7013	Strategic Management*	4	
9	**Enrichment Program**		15	15
10	MGMT6021	Thesis	6	6
			TOTAL CREDITS 200 SCU	

*) This course is delivered in English

**) Entrepreneurship Embedded

English University Courses:

-) *For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation*

-) *For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication*

Enrichment Program (9th Semester):

-) *Student will take one of enrichment program tracks (off campus).*

Enrichment Internship Track

Code	Course Name	SCU	Total
BUSS6044	Internship	8	
BUSS6045	Technopreneurship Application	4	15
BUSS6079	Technopreneurship Paper	3	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6281	Business Start Up	8	
ENTR6212	Business Model & Validation for Information Systems Project	2	
ENTR6213	Launching New Ventures for Information Technology Business	2	15
ENTR6214	EES in New Business and Information Systems	3	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6204	Research Experience	8	
RSCH6161	Scientific Writing in Information Systems Research	4	15
RSCH6162	Information Systems for Global Employability and Entrepreneurial Skills	3	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6118	Community Outreach Project Implementation	8	
CMDV6079	Community Outreach Project Design in Information Systems	4	15
CMDV6080	Employability and Entrepreneurial Skills in Information Systems	3	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	15
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

*)Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits.

The Table of Prerequisite for Information Systems and Management (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
ACCT6049	Managerial Accounting	4	5	ACCT6133	Introduction to Financial Accounting	4	1
MKTG8005	Marketing Management	4	4	MGMT6011	Introduction to Management and Business	4	1
FINC6001	Financial Management	4	5				

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: *Pancasila*	B
2.	ENTR6511	Entrepreneurship: Market Validation	C
3.	ISYS6181	Management Information Systems for Leader	C
4.	ECON6005	Microeconomics	C
5.	MKTG8005	Marketing Management	C
6.	MGMT6012	Human Resources Management*	C
7.	BUSS6047	E-Business Strategy	C
8.	ISYS6536	Enterprise System	C
9.	ISYS6198	Data and Information Management*	C
10	ISYS6535	Information Systems Analysis and Design*	C
11.	BUSS6043	Introduction to E-Business*	C
12.	ISYS6256	Information Systems Project Management	C
13.	ENTR6013	Developing New Business Model & Business Plan	C
14.	ENTR6012	Innovation & Entrepreneurship*	C

*) Tutorial & Multipaper