

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

A world class study program that excels in providing high-level Information system education is specialized in business-IT, recognized internationally, and champions innovation.

Mission

The mission of Double Degree are to:

1. Nurturing students and lecturers with creative and value-adding talents in Information System by creating a suitable environment;
2. Educating students in information systems, covering knowledge and skills in analyzing, designing and implementing information systems for improving business processes and to be able to create an innovative and valuable information system solution, through intensive learning process, research activities and collaboration with global industries;
3. Providing integrated knowledge to pursue further studies and create outstanding professionals, entrepreneurs, and leaders for a global community;
4. Providing professional services in Information System with an emphasis on the application of knowledge to society;
5. Fostering the quality of life of Indonesians and the international community through leveraging Information system solutions.

Program Objective

The objectives of the program are to:

1. Equip students with the expertise and solid basic knowledge about system development that will be needed as a professional in the field of information systems, as well as increasing the skills and knowledge of educators in the information systems field;
2. Preparing students with proficiency and in-depth knowledge of innovative information systems related to IT-Business Innovation;
3. Equip students with the ability to use knowledge of applied business applications for specific industrial purposes;
4. Equip the community with expertise and knowledge through the use of information system solutions;
5. Provide education to the public regarding the use and application of information systems.

Student Outcomes

After completing the study, graduates are:

1. Able to comprehend business and management concept;
2. Able to work innovatively by applying their adept thinking, entrepreneurial, and ICT skill;
3. Able to perform global mindset in exercising business concept;
4. Able to apply ethical and professional values;
5. Able to analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions;
6. Able to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline;
7. Able to communicate effectively in a variety of professional contexts;
8. Able to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles;
9. Able to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline;
10. Able to support the delivery, use and management of information systems within an information systems environment;
11. Able to integrate information systems/technology utilization in solving business problems;
12. Able to apply information system in business strategy;
13. Able to apply digital transformation in business;
14. Able to apply interdisciplinary knowledge and skills in developing alternative solutions for problem-solving.

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 (AACSB accreditation). The successful candidate will get a double degree, which is S.Kom. and S.E.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ISYS6093	Information System Concept*&**	4	20
	ACCT6133	Introduction to Financial Accounting	4	
	ECON6099	Business Economics	4	
	MGMT6011	Introduction to Management and Business*	4	
	COMM8006	Business Communication**	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
2	ENGL6130	English for Business Presentation	2	20
	CHAR6013	Character Building: <i>Pancasila</i>	2	
	BUSS6066	Business Ethics	2	
	ISYS6186	Business Process Fundamental*&**	4	
	ISYS6181	Management Information Systems for Leader	4	
	COMP6178	Introduction to Programming	2/2	
	LANG6027	Indonesian	2	
3	English University Courses II			24
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2	
	MGMT6012	Human Resources Management*	4	
	ISYS6126	Enterprise System*&**	4	
	ISYS6197	Business Application Development	2/2	
4	ISYS6123	Introduction to Database Systems*&**	2/2	24
	MGMT6358	Managing Business Information	2/2	
	ENTR6509	Entrepreneurship: Ideation	2	
	CHAR6015	Character Building: <i>Agama</i>	2	
	ISYS6198	Data and Information Management**	4	
	ISYS6596	User Experience Research and Design**	4/2	
	MKTG8005	Marketing Management*	4	
5	BUSS6210	Digital Business*	4/2	22
	MATH6176	Business Mathematics*	2	
	ISYS6535	Information Systems Analysis and Design**&***	4/2	
	STAT8067	Business Statistics I	2	
	FINC6001	Financial Management	4	
	MGMT6357	Multinational Corporation Management	2	
	MGMT6297	Operations Management**	4	
6	RSCH6466	Research Methodology**	4	24
	ISYS6338	Testing and System Implementation*&**	2	
	ISYS6542	Advanced Information System Analysis and Design**&***	4/2	
	BUSS6171	Business Sustainability	4	
	ENTR6511	Entrepreneurship: Market Validation	2	

Sem	Code	Course Name	SCU	Total
	STAT8068	Business Statistics II	2/2	
	ISYS6256	Information Systems Project Management*&**	4	
	LAWS6159	Legal Aspect in Business	2	
7	ISYS6538	Advanced in Business Application Development**	4/2	22
	MOBI6002	Mobile Object Oriented Programming	2/2	
	BUSS6211	Digital Transformation*	4	
	ISYS6571	Data Visualization	2	
	BUSS6186	Digital Market Research	2	
	Free Electives		4	
8	Enrichment Program		20	20
9	MGMT6637	Pre-Thesis	2	6
	MGMT6638	Thesis	4	
TOTAL CREDITS 182 Credits				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

For Free Electives, students are required to choose from the list of Free Electives in Appendix.

English University Courses:

-) For 1st Semester: English University Courses I, students with Binus University English Proficiency Test score less than 500 will take English in Focus, and student with test score greater than or equal to 500 will take English for Business Presentation.
-) For 2nd Semester: English University Courses II, students with Binus University English Proficiency Test score less than 500 will take English Savvy, and students with test score greater than or equal to 500 will take English for Written Business Communication.
-) Students should pass English Savvy with a minimum Grade is C.

Appendix: Free Electives (7th Semester)

Because free electives will be implemented on the 7th semester data will be collected in 2022.

Enrichment Program (8th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 8					
	IN	RS	EN	CD	SA	etc
1	v					
2		v				
3			v			
4				v		
5					v	
6						v

Note:

IN	: Internship	CD	: Community Development
RS	: Research	SA	: Study Abroad
EN	: Entrepreneurship	etc	: Study Program Special Purposes

Description:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
BUSS6044	Internship	8	20
BUSS6207	Technopreneurship Application	8	
BUSS6187	Technopreneurship Paper	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6955	New Venture Initiation in Information Systems	8	20
ENTR6596	Product Development Process for Information Technology Business	8	
ENTR6953	EES in New Information Systems Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6204	Research Experience	8	20
RSCH6575	Scientific Writing in Information Systems Research	8	
RSCH6467	Information Systems for Global Employability and Entrepreneurial Skills	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6118	Community Outreach Project Implementation	8	20
CMDV6349	Community Outreach Project Design in Information Systems	8	
CMDV6263	Employability and Entrepreneurial Skills in Information Systems	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			20
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	
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	
GLOB6251	Elective Course for Study Abroad 29	4	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 20 credits.

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

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
FINC6001	Financial Management	4	5	MGMT6011	Introduction to Management and Business	4	1

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

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: <i>Pancasila</i>	B
2.	ENTR6511	Entrepreneurship: Market Validation	C
3.	MGMT6358	Managing Business Information	C
4.	MGMT6011	Introduction to Management and Business	C
5.	MKTG8005	Marketing Management	C
6.	MGMT6012	Human Resources Management*	C
7.	BUSS6066	Business Ethics	C
8.	MGMT6357	Multinational Corporation Management	C
9.	BUSS6210	Digital Business*	C
10.	ISYS6126	Enterprise System	C
11.	ISYS6198	Data and Information Management*	C
12.	ISYS6535	Information Systems Analysis and Design*	C
13.	ISYS6571	Data Visualization*	C
14.	ISYS6256	Information Systems Project Management	C

*) Tutorial & Multipaper