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. Program graduates will possess effective communication, teamwork, and leadership skills with ethical considerations in solving problems for an organization and creating benefits for society.
2. Program graduates will apply accurate skills and knowledge in system development that will be needed as a professional in information systems.
3. Program graduates will maintain in-depth knowledge of information system methodologies and technologies to address the critical needs of an organization.

Student Outcomes

After completing the study, graduates are:

1. Able to analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.

2. 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.

3. Able to communicate effectively in a variety of professional contexts.

4. Able to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.

5. Able to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

6. Able to support the delivery, use, and management of information systems within an information systems environment.

7. Ability to explain principles of management and business.

8. Ability to demonstrate knowledge of different management and business functions.

9. Ability to analyze current management and business issues in diverse contexts.

10. Ability to demonstrate creative and innovative skills in providing business solution.

11. Ability to apply relevant ICT tools in business decision making process.

12. Ability to apply numerical analysis and critical thinking in business decision making.

13. Ability to demonstrate collaborative working in diverse background environment.

14. Ability to apply sustainability concepts to promote business growth.

15. Ability to apply effective communication skills.

16. Ability to demonstrate professional values in business context.

17. Ability to apply sustainable and ethical values in business context.

18. Able to integrate information systems/technology utilization in solving business strategic problems.

19. 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	CHAR6013003	Character Building: Pancasila	2	20
	ISYS6093003	Information System Concept*&**	4	
	ECON6099003	Business Economics **(AOL)**	4	

Sem	Code	Course Name	SCU	Total
	MGMT6011003	Introduction to Management and Business* (AOL)	4	
	BUSS6066003	Business Ethics (AOL)	2	
	ISYS6186003	Business Process Fundamental** (AOL)	4	
	Foreign Language Courses		0	
2	CHAR6014003	Character Building: Kewarganegaraan	2	20
	ACCT6351003	Accounting for Business	4	
	ISYS6126003	Enterprise System*&** (AOL)	4	
	COMP6178003	Introduction to Programming	2/2	
	MGMT6012003	Human Resources Management* (AOL)	4	
	ENTR6509001	Entrepreneurship: Ideation	2	
	Foreign Language Courses		0	
3	CHAR6015003	Character Building: Agama	2	24
	MATH6176003	Business Mathematics*	2	
	ISYS6596003	User Experience Research and Design** (AOL)	4/2	
	ISYS6197003	Business Application Development (AOL)	2/2	
	ISYS6123003	Introduction to Database Systems*&** (AOL)	2/2	
	MKTG6318003	Marketing Management* (AOL)	4	
	LANG6027003	Indonesian	2	
	Foreign Language Courses		0	
4	ISYS6198003	Data and Information Management** (AOL)	4	24
	BUSS6210003	Digital Business* (AOL)	4/2	
	ISYS6677003	Information Systems Analysis and Design**&*** (AOL)	5/2	
	MGMT6297003	Operations Management**	4	
	ISYS6747003	Data Visualization (AOL)	2/1	
	Foreign Language Courses		0	
5	ISYS6676003	Advanced Information System Analysis and Design**&*** (AOL)	5/2	24
	ISYS6256003	Information Systems Project Management*&** (AOL)	4	
	STAT6206003	Business Statistics I	2	
	FINC6001003	Financial Management	4	
	BUSS6171003	Business Sustainability (AOL)	4	
	BUSS6230003	Digital Market Research (AOL)	2/1	
6	ISYS6675003	Information Technology Infrastructure	2	24
	ISYS6538003	Advanced in Business Application Development** (AOL)	4/2	
	BUSS6231003	Digital Transformation* (AOL)	2	
	ISYS6338003	Testing and System Implementation (AOL)	2	
	ISYS6674003	Knowledge Management**	2	
	ENTR6511001	Entrepreneurship: Market Validation	2	
	STAT6207003	Business Statistics II (AOL)	2/2	
	Free Electives		4	
7	**Enrichment Program I**		20	20

Sem	Code	Course Name	SCU	Total
8	**Enrichment Program II**		20	20
9	ISYS6637003	Pre-Thesis	2	6
	ISYS6638003	Thesis	4	
	MGMT6021003	Thesis	6	
			Total Credits 182 SCU	

*) This course is delivered in English
 **) Global Learning System Course
 ***) Entrepreneurship Embedded

-) **(AOL)** - Assurance of Learning Process System

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

Foreign Language Courses:
Students will take foreign language courses according to BINUS University English proficiency test results. See foreign language courses appendix for the details. Students must pass with a minimum Grade of C.

Pre-thesis (2 SCU) & Thesis (4 SCU) can be taken in the 7th and/or 8th semester by the students who meet the requirements from the Study Program/Program

Appendix Foreign Language Courses

Foreign Language Courses		SCU
ENGL6253003	English for Frontrunners	0
ENGL6254003	English for Independent Users	0
ENGL6255003	English for Professionals	0
JAPN6190003	Basic Japanese Language*	0
CHIN6163003	Basic Chinese Language*	0

*) This course is optional for students

1. Students with Binus University English Proficiency Test score less than 437 are required to take English for Frontrunners and English for Independent Users.
2. Students with Binus University English Proficiency Test score less than 520 are required to take English for Independent Users and English for Professionals.
3. Students with Binus University English Proficiency Test score equal to or greater than 520 are required to take English for Professionals. Additionally, students may choose to take either Basic Japanese Language or Basic Chinese Language.
4. Students are required to pass the foreign language courses before they take enrichment.
5. Students can see the requirements to pass the foreign language courses at BINUSMAYA – Beelingua.

Appendix: Free Electives (6th Semester)
Because free electives will be implemented on the 6th semester data will be collected in 2023

Enrichment Program (7th & 8th Semester):
-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 7							Semester 8						
	IN	RS	EN	CD	SA	IS	etc	IN	RS	EN	CD	SA	IS	etc
1	v							v						
2	v								v					

Track	Semester 7							Semester 8						
	IN	RS	EN	CD	SA	IS	etc	IN	RS	EN	CD	SA	IS	etc
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					
28					v						v			
29					v							v		
30					v									v
31						v		v						
32						v			v					
33						v					v			
34						v						v		
35						v							v	
36						v								v

Note:

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

Description:

Student will take one of enrichment program tracks

Students who failed in Enrichment Program I can retake with the same track or change into another track. As for Enrichment Program II, student who failed with Certified Internship, Certified Research, Certified Community Development, and Certified Study Abroad track on Enrichment Program II, can retake with the same track or change into another track. However students who take **Certified Entrepreneurship** track on Enrichment Program II, should **retake with another track**.

Certified Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			
BUSS6240003	Experience in Industry	8	20
BUSS6207003	Technopreneurship Application	8	

Code	Course Name	SCU	Total
BUSS6187003	Technopreneurship Paper	4	
Enrichment Program II			
BUSS6241003	Professional Program in Industry	8	20
BUSS6242003	Technopreneurship Development	8	
BUSS6243003	EES in Technopreneurship	4	

Certified Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENPR6187003	New Venture Initiation in Information Systems	8	20
ENTR6596003	Product Development Process for Information Technology Business	8	
ENTR6953003	EES in New Information Systems Business	4	
Enrichment Program II			
ENPR6224003	Product Launching in Technopreneurship	8	20
ENPR6225003	Business Development Process for Technopreneurship	8	
ENPR6226003	New Experience EES in New Information Systems' and Business'	4	

Certified Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6204003	Research Experience	8	20
RSCH6708003	Proposal Writing in Information Systems Research	8	
RSCH6467003	Information Systems for Global Employability and Entrepreneurial Skills	4	
Enrichment Program II			
RSCH6709003	Research Experience in Information Systems Business	8	20
RSCH6710003	Scientific Writing in Information Systems Business	8	
RSCH6711003	Information Systems and Business for Global Employability and Entrepreneurial Skills	4	

Certified Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6118003	Community Outreach Project Implementation	8	20
CMDV6465003	Community Outreach Project Design in Information Systems Business	8	
CMDV6466003	EES in Information Systems Business	4	
Enrichment Program II			
CMDV6467003	Community Development Project Implementation	8	20
CMDV6468003	Community Development Project Design in Information Systems Business	8	

Code	Course Name	SCU	Total
CMDV6469003	EES in Information Systems for Community Development	4	

Certified Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			
Enrichment Program I			
GLOB6005003	Elective Course for Study Abroad 1	4	
GLOB6006003	Elective Course for Study Abroad 2	4	
GLOB6007003	Elective Course for Study Abroad 3	4	
GLOB6008003	Elective Course for Study Abroad 4	4	
GLOB6009003	Elective Course for Study Abroad 5	2	
GLOB6010003	Elective Course for Study Abroad 6	2	20
GLOB6011003	Elective Course for Study Abroad 7	2	
GLOB6012003	Elective Course for Study Abroad 8	2	
GLOB6013003	Elective Course for Study Abroad 9	2	
GLOB6014003	Elective Course for Study Abroad 10	2	
GLOB6015003	Elective Course for Study Abroad 11	2	
GLOB6016003	Elective Course for Study Abroad 12	2	
GLOB6251003	Elective Course for Study Abroad 29	4	
Enrichment Program II			
GLOB6017003	Elective Course for Study Abroad 13	4	
GLOB6018003	Elective Course for Study Abroad 14	4	
GLOB6019003	Elective Course for Study Abroad 15	4	
GLOB6020003	Elective Course for Study Abroad 16	4	
GLOB6021003	Elective Course for Study Abroad 17	2	
GLOB6022003	Elective Course for Study Abroad 18	2	
GLOB6023003	Elective Course for Study Abroad 19	2	20
GLOB6024003	Elective Course for Study Abroad 20	2	
GLOB6025003	Elective Course for Study Abroad 21	2	
GLOB6026003	Elective Course for Study Abroad 22	2	
GLOB6027003	Elective Course for Study Abroad 23	2	
GLOB6028003	Elective Course for Study Abroad 24	2	
GLOB6253003	Elective Course for Study Abroad 31	4	

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

Certified Specific Independent Study

Code	Course Name	SCU	Total
Elective courses list for certified specific independent study*			
CSIS6001003	Course Certification	3	
CSIS6002003	Technical Skill Enrichment	4	20
CSIS6003003	Industrial Project	9	

Code	Course Name	SCU	Total
CSIS6004003	Soft Skill Enrichment	4	
CSIS6005003	Elective Course for Specific Independent Study 1	8	
CSIS6006003	Elective Course for Specific Independent Study 2	8	
CSIS6007003	Elective Course for Specific Independent Study 3	6	
CSIS6008003	Elective Course for Specific Independent Study 4	6	
CSIS6009003	Elective Course for Specific Independent Study 5	6	
CSIS6010003	Elective Course for Specific Independent Study 6	5	
CSIS6011003	Elective Course for Specific Independent Study 7	5	
CSIS6012003	Elective Course for Specific Independent Study 8	5	
CSIS6013003	Elective Course for Specific Independent Study 9	5	
CSIS6014003	Elective Course for Specific Independent Study 10	4	
CSIS6015003	Elective Course for Specific Independent Study 11	4	
CSIS6016003	Elective Course for Specific Independent Study 12	4	
CSIS6017003	Elective Course for Specific Independent Study 13	4	
CSIS6018003	Elective Course for Specific Independent Study 14	4	
CSIS6019003	Elective Course for Specific Independent Study 15	3	
CSIS6020003	Elective Course for Specific Independent Study 16	3	
CSIS6021003	Elective Course for Specific Independent Study 17	3	
CSIS6022003	Elective Course for Specific Independent Study 18	3	
CSIS6023003	Elective Course for Specific Independent Study 19	3	
CSIS6024003	Elective Course for Specific Independent Study 20	3	
CSIS6025003	Elective Course for Specific Independent Study 21	2	
CSIS6026003	Elective Course for Specific Independent Study 22	2	
CSIS6027003	Elective Course for Specific Independent Study 23	2	
CSIS6028003	Elective Course for Specific Independent Study 24	2	
CSIS6029003	Elective Course for Specific Independent Study 25	2	
CSIS6030003	Elective Course for Specific Independent Study 26	2	
CSIS6031003	Elective Course for Specific Independent Study 27	2	
CSIS6032003	Elective Course for Specific Independent Study 28	2	
CSIS6033003	Elective Course for Specific Independent Study 29	1	
CSIS6034003	Elective Course for Specific Independent Study 30	1	
CSIS6035003	Elective Course for Specific Independent Study 31	1	
CSIS6036003	Elective Course for Specific Independent Study 32	1	

*) For students who take BINUS certified specific independent study courses, they should take the first 4 courses on the list above (20 credits). Meanwhile, electives courses 1 to 32 are transferred courses for students who take certified specific independent study outside BINUS University. Transferred courses will be transferred based on credit transfer policies on study program with total of 20 credits.

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

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013003	Character Building: *Pancasila*	B
2.	ENTR6511001	Entrepreneurship: Market Validation	C
3.	ISYS6126003	Enterprise System*	C

No	Course Code	Course Name	Minimal Grade
4.	ISYS6198003	Data and Information Management*	C
5.	ISYS6677003	Information Systems Analysis and Design*	C
6.	ISYS6256003	Information Systems Project Management	C
7.	BUSS6171003	Business Sustainability	C
8.	MGMT6011003	Introduction to Management and Business	C
9.	MKTG6318003	Marketing Management	C
10	MGMT6012003	Human Resources Management*	C
11.	BUSS6066003	Business Ethics	C
12.	BUSS6231003	Digital Transformation	C
13.	BUSS6210003	Digital Business*	C
14.	ISYS6747003	Data Visualization*	C

*) Tutorial & Multipaper