

## Information Systems

### Introduction

The need for Information Technology (IT) in the business industry has shifted into an environment that is more outward looking in order to compete in the free market. Information Technology is closely related to Information Systems (IS) in their joint support of the organization. They facilitate excellent procedures of the whole organization and strengthen its competitiveness.

As a discipline, Information systems has been making positive contributions to wide range of organizations, especially in this era of digital transformation where information can be accessed and distributed easily. Information systems helps organization in managing data as an asset, either collected or presented by information systems, which are possible to be implemented for problem solving and management decisions making.

The Information Systems Study Program was founded in response to the progressive demand for skilled human resources in the field of information systems. The scope of study in the Program includes Information Systems: information systems development including information systems analysis, design and implementation (programming), management information systems, business process analysis and design, enterprise systems, database analysis and design, and information system project 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 missions of Information Systems are:

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 analyze a complex computing problem and 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.

### **Prospective Career of the Graduates**

Graduates will have the necessary skills to work as:

- |  |                                 |                                       |
|--|---------------------------------|---------------------------------------|
| 1. System Analyst                                | 7. Information Security Analyst | 14. Application Developer             |
| 2. Business Analyst                              | 8. System Designer              | 15. Web-Developer/Web-Designer        |
| 3. Business Process Analyst                      | 9. Database Administrator       | 16. IT Development Project Leader     |
| 4. Digital Business Specialist                   | 10. Database Analyst            | 17. Software Quality Assurance Tester |
| 5. Enterprise Resource Planning (ERP) Specialist | 11. Data Scientist              | 18. IT User Liaison                   |
| 6. Software Architect                            | 12. User Experience Designer    | 19. IT/IS Researcher                  |
|  | 13. IT/IS Consultant            | 20. Entrepreneur                      |

### **Curriculum**

The Information Systems Study Program curriculum is designed by referring to the curriculum recommended by Association for Computing Machinery (ACM) and Association for Information Systems (AIS) for model curriculum and guidelines for undergraduate degree program in Information Systems. In addition, the curriculum has been influenced by foreign universities with the reputation of qualified Information Systems Study Programs.

The curriculum for the next four years, will prominently consists of:

1. Information Systems, Business Process, Supply Chain Management, and Enterprise Systems.
2. Database, Information and Knowledge Management.
3. User Experience, Information Systems Analysis and Design.
4. Programming, Information Systems Project Management, Testing and Implementation.
5. Financial Accounting, Research Methodology, and Entrepreneurship.
6. Character Building and Language (Indonesian and English).
7. Concentration Subjects: Strategic Information System, Business Intelligence, Digital Technology, Applied Database, and Applied Enterprise Resource Planning (ERP).
8. Minor Program
9. Free Electives.

**Course Structure**

Sem	Code	Course Name	SCU	Total	
1	ACCT6133003	Introduction to Financial Accounting	4	20	
	ISYS6186003	Business Process Fundamental*&***	4		
	ISYS6093003	Information System Concept*&***	4		
	COMP6178003	Introduction to Programming	2/2		
	LANG6027003	Indonesian	2		
	<b>English University Courses I</b>				
	ENGL6128003	English in Focus	2		
	ENGL6130003	English for Business Presentation	2		
2	ISYS6123003	Introduction to Database Systems*&***	2/2	20	
	ISYS6126003	Enterprise System*&***	4		
	ISYS6338003	Testing and System Implementation*&***	2		
	ENTR6509001	Entrepreneurship: Ideation	2		
	ISYS6596003	User Experience Research and Design**	4/2		
	<b>English University Courses II</b>				
	ENGL6129003	English Savvy	2		
	ENGL6131003	English for Written Business Communication	2		
3	CHAR6013003	Character Building: <i>Pancasila</i>	2	22	
	ISYS6535003	Information Systems Analysis and Design**&***	4/2		
	ISYS6197003	Business Application Development	2/2		
	ISYS6256003	Information Systems Project Management*&***	4		
	ISYS6478003	Research Methods in Information Systems	2		
	ISYS6198003	Data and Information Management**	4		
4	CHAR6014003	Character Building: <i>Kewarganegaraan</i>	2	16	
	ISYS6542003	Advanced Information System Analysis and Design**&***	4/2		
	<b>Streaming : Business Intelligence</b>				
	ISYS6613003	Business Intelligence**	2		
	ISYS6210003	Data Visualization*	2		
	ISYS6190003	Advance in Data & Information Management	4		
	<b>Streaming : Strategic Information System</b>				
	ISYS6146003	Information System Security*	2		
	ISYS6614003	IS Strategy, Management and Acquisition**	2		
	ISYS6284003	Analytical Information System	4		
	<b>Streaming : Digital Technology</b>				
	ISYS6211003	Web Based Application Development	2/2		
	ISYS6285003	Digital and New Media*&***	2		
	ISYS6615003	e-Business Design	2		
	<b>Streaming : Applied ERP</b>				
ISYS6146003	Information System Security*	2			
ISYS6442003	Applied ERP: Fundamental	4			

Sem	Code	Course Name	SCU	Total		
	ISYS6614003	IS Strategy, Management and Acquisition**	2			
	<b>Streaming : Applied Database</b>					
	ISYS6613003	Business Intelligence**	2			
	ISYS6210003	Data Visualization*	2			
	ISYS6567003	Applied Database: Database Programming With SQL and PL/SQL	4			
	<b>Streaming : Marketing Intelligence****</b>					
	ISYS6755052	Marketing Intelligence	4			
	ISYS6756052	Social Media Marketing & Analytics	4			
	<b>Minor Program</b>				8	
	<b>Free Electives</b>				8	
5	ENTR6511001	Entrepreneurship: Market Validation	2	22		
	CHAR6015003	Character Building: <i>Agama</i>	2			
	ISYS6538003	Advanced in Business Application Development**	4/2			
	<b>Streaming: Business Intelligence</b>					
	ISYS6200003	Data Warehouse**	4/2			
	ISYS6199003	Data & Text Mining	4			
	ISYS6196003	Business Analytics*	2			
	<b>Streaming : Strategic Information System</b>					
	ISYS6205003	Enterprise Architecture**	4			
	ISYS8066003	Business Process Management	4			
	ISYS6202003	Social Informatics*	4			
	<b>Streaming : Digital Technology</b>					
	ISYS6187003	Business Web Solution**	4			
	ISYS6289003	Collaborative Computing*	4			
	ISYS6203003	Mobile Applications Development	2/2			
	<b>Streaming : Applied ERP</b>					
	ISYS6205003	Enterprise Architecture**	4			
	ISYS6696003	Applied ERP: Integrated Business Process*	8			
	<b>Streaming : Applied Database</b>					
	ISYS6201003	Data Warehouse and Data Mining**	4			
	ISYS6568003	Applied Database: Administration and Recovery	4			
	ISYS6569003	Applied Database: Application Development*	4			
	<b>Streaming : Marketing Intelligence****</b>					
	ISYS6713052	Managing Content Marketing System	4			
	ISYS6714052	Marketing Automation System	4			
	ISYS6715052	Search Engine Optimization	4			
	<b>Minor Program</b>				12	
	<b>Free Electives</b>				12	
	6	<b>Enrichment Program I</b>			20	20
	7	<b>Enrichment Program II</b>			20	20

Sem	Code	Course Name	SCU	Total
8	ISYS6616003	Pre-Thesis	2	6
	ISYS6617003	Thesis	4	
	ISYS6117003	Thesis	6	
<b>TOTAL CREDITS 146 Credits</b>				

- \*) This course is delivered in English  
 \*\*) Global Learning System Course  
 \*\*\*) Entrepreneurship Embedded  
 \*\*\*\*) Conducted for student mobility program in BINUS @Semarang

#### Streaming/Minor/Free Electives:

- ) For 4<sup>th</sup> Semester: Students are required to choose Streaming or Minor Program or Free Electives. For Free Electives, students are required to choose from the list of Free Electives in Appendix.  
 -) For 5<sup>th</sup> Semester: Students are required to choose Streaming or Minor Program same with previous semester. 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.

**Pre-thesis (2 SCU) & Thesis (4 SCU)** can be taken in the 6<sup>th</sup> and/or 7<sup>th</sup> semester by the students who meet the requirements from the Study Program/Program

#### Minor Scheme

Minor Program	Semester 4	Semester 5
<b>Minor @ Binus Kemanggisian</b>		
Digital Ecosystem	V	V
Human Capital in Digital Workplace	V	V
Sustainable Development	V	V
Cross Cultural Communication	V	V
Interactive & Users Experience Design	V	V
Data Analytics	V	V
Robotic Process Automation	V	V
<b>Minor @ Binus Alam Sutera</b>		
Digital Transformation	V	V
<b>Minor @ Binus Bekasi</b>		
Virtual Service Experience	-	-
Culinary	V	V
<b>Minor @ Binus Malang</b>		
Digital Technopreneur	-	-
<b>Minor @ Binus Bandung</b>		
DesignPreneur	-	-

### 1. Minor Program: Digital Ecosystem

Course	SCU
COMP6683001 Introduction to Artificial Intelligence	2/2
COMM6501019 Narrative Development	4
ISYS6549003 Digital Innovation	4
COMP6684001 Current Trends in Technology	4
DSGN6834007 Visual Identity	4
<b>Total SCU</b>	<b>20</b>

### 2. Minor Program: Human Capital in Digital Workplace

Course	SCU
PSYC6174027 Psychology in The Workplace	4
MGMT6349005 Digital Workplace Strategy	4
ISYS6551003 Digital Workplace and Technology	4
LAWS6157028 Legal Aspects in Digital Workplace	4
PSYC6175027 Human Resources Development	4
<b>Total SCU</b>	<b>20</b>

### 3. Minor Program: Sustainable Development

Course	SCU
ARCH6119014 Introduction to Sustainable Development	2
DSGN6835008 Engineering Material	4
ISYE6154011 Sustainable Design and Manufacture	4
ISYE6155011 Occupational, Health, Safety, and Administration in Engineering	2
CPEN6217010 Digital for Sustainable Development	4
CIVL6118013 Engineering Economic	4
<b>Total SCU</b>	<b>20</b>

### 4. Minor Program: Cross Cultural Communication

Course	SCU
CHIN6132026 Chinese Conversation in Daily Activities	4
COMM6502019 Communication in Diversity	2
INTR6135029 Comparative Politics	4
BUSS6170025 Asian Business Ethics	4
CHIN6133026 Chinese Conversation in Daily Works	2
CHIN6134026 Chinese Conversation in Business Communication	4
<b>Total SCU</b>	<b>20</b>

### 5. Minor Program: Interactive & Users Experience Design

Course	SCU
PSYC6176027 Psychology and User Experience	4
ISYS6553003 User-Centered Research and Evaluation	4
DSGN6836007 Fundamental of Interface Design	4
ISYS6554003 Core Principles: Interactive Design	4
DSGN6837007 Digital Design Production	4
<b>Total SCU</b>	<b>20</b>

### 6. Minor Program: Data Analytics

Course		SCU
ISYS6680003	Introduction to data Analytics	2
ISYS6681003	Data Management & Descriptive Analytics	4
STAT6198049	Statistical for Decision Making	4
ISYS6682003	Application of Predictive Analytics to Business Data	4
ISYS6683003	Prescriptive Analytics and Optimization	4
MKTG6312005	Digitalization of Markets and Consumption	2
<b>Total SCU</b>		<b>20</b>

### 7. Minor Program: Robotic Process Automation

Course		SCU
COMP6857001	Basic Programming for Automation	2
COMP6858001	RPA Concept & Design	2
ISYS6684003	RPA Developer Fundamental	4
ISYS6685003	RPA Developer Advance	4
ISYS6686003	RPA Business Analytics Fundamental	4
ISYS6687003	Business Process Improvement	2
COMP6859001	Intelligence Automation	2
<b>Total SCU</b>		<b>20</b>

### 8. Minor Program: Digital Transformation

Course		SCU
ISYS6559003	Business Models and Technology Innovation	4
ISYS6557003	Business Data Management	4
MGMT6484005	Digital Strategy	2
ISYS6695003	Digital Marketing Analysis	4
STAT6200049	Practical Statistics for Digital Business	4
ISYS6560003	Success Factor for Leading Digital Transformation	2
<b>Total SCU</b>		<b>20</b>

### 9. Minor Program: Culinary

Course		SCU
HTMN6078021	Advanced in Pastry and Bakery	4
HTMN6050021	Culinary Business Event	2/2
HTMN6048021	Western and French Cuisine	2/4
HTMN6046021	Authentic Indonesian Cuisine	2/4
<b>Total SCU</b>		<b>20</b>

### Appendix: Free Electives (4<sup>th</sup> Semester & 5<sup>th</sup> Semester)

No	Course Owner Department	Course Code	Course Name	SCU	Semester
1	Accounting	ACCT7141020	Accounting Information System and Internal Control	2/2	4
2	Management	MGMT6374005	Analysis on E-Business Investment	4	4
3	International Relations	INTR6143029	ASEAN Community: Security, Economic, and Socio Cultural Aspects	4	4
4	Business Law	LAWS6168028	Banking-Financial Law & Islamic Business Law*&**	4	4

No	Course Owner Department	Course Code	Course Name	SCU	Semester
5	Architecture	ARCH6047014	Behavior in Architecture	2	5
6	Global Business Marketing	MKTG6294005	Branding & Omnichannel Retailing	4	4
7	Information Systems	ISYS6196003	Business Analytics	2	5
8	Business Law	LAWS6171028	Business Competition & Consumer Protection Law	2	4
9	Interior Design	DSGN6611008	Business in Interior Design***	2	4
10	Information Systems	ISYS8066003	Business Process Management	4	5
11	Management	BUSS6069005	Business Simulation	2	5
12	Business Creation	ENTR6582005	Business Strategy	2	4
13	Business Law	LAWS6169028	Capital Market, Legal Audit, & Due Diligence	4	4
14	Animation	DSGN6692007	Character Animation	4	4
15	Chinese Literature	CHIN6157026	Chinese Business for Etiquette (Beginner)	4	5
16	Chinese Literature	CHIN6158026	Chinese Business in Daily Communication	4	5
17	Chinese Literature	CHIN6159026	Chinese Character Writing	2	4
18	Computer Engineering	CPEN6232010	Cloud Technology Practice*	2	5
19	Management	MGMT6145005	Compensation and Performance Management	2	5
20	Civil Engineering	COMP6046013	Computer Applications in Construction Management	2	5
21	Cyber Security	COMP6646001	Computer Forensic*&**	2	5
22	Computer Engineering	CPEN6098010	Computer Networks	2/2	5
23	Animation	DSGN6689007	Concept Art & Production Design	2	5
24	Civil Engineering	CIVL6080013	Construction Methods & Heavy Equipment	2	5
25	Business Law	LAWS6174028	Contract & Legislative Drafting	2	5
26	Marketing Communication	COMM6523019	Corporate Event Management	2/2	5
27	International Business Management	MGMT6369005	Corporate Strategy in International Business	2	4
28	Marketing Communication	COMM6533019	Creative Program Design	2/2	4
29	Creative Advertising	DSGN6671007	Creative Writing for Commercials	4	4
30	Computer Engineering	CPEN6126010	Cross Platform Application Development*&**	4	5
31	Management	BUSS6088005	Current Issue in Business and Technology	2	4
32	Business Management	MGMT6365005	Current Issue in Service Business and Technology**	2	5
33	Management	MGMT6412005	Customer Relationship Management	2	5
34	Business Law	LAWS6110028	Cyber Law*	2	4
35	Information Systems	ISYS6199003	Data & Text Mining	4	5
36	Information Systems	ISYS6210003	Data Visualization	2	4
37	Data Science	DTSC6007001	Deep Learning	2	4
38	Business Creation	ENTR6580005	Digital Business Transformation	2	4
39	Marketing Communication	COMM6541019	Digital Corporate Communication	2/2	5



No	Course Owner Department	Course Code	Course Name	SCU	Semester
40	New Media	DSGN6743007	Digital Graphic Reproduction	4	4
41	Business Management	MGMT6401005	Digital Supply Chain Management	2	4
42	International Business Management	MGMT6370005	E-Business for International Business	2	5
43	Management	ISYS8175005	E-Business Strategy and Implementation	4	5
44	English Literature	ENGL6169024	English for Professionals	2	4
45	International Business Management	BUSS7009005	Export-Import Cost Management	2	5
46	Food Tech	FOOD6062015	Food Quality Assurance System**	2/1	5
47	Game Application and Technology	GAME6082001	Game Animation*&**	2	4
48	Computer Science	COMP6590001	Geographical Information System*	2/2	5
49	Film	FILM6059009	Global Cinema*	4	5
50	Marketing Communication	COMM6435019	Global Consumer Behavior	2	4
51	International Relations	INTR8049029	Global Economic Architecture	2	5
52	Psychology	PSYC6130027	Human Performance Technology*	4	4
53	Management	MGMT6371005	Human Resources Analytics	4	4
54	Primary Teacher Education	EDUC6061030	ICT for Distance Learning	2	5
55	Interior Design	DSGN6886008	Rendering and Presentation Techniques*&**	2	4
56	Business Information Technology	ISYS6574003	Information Retrieval	4	4
57	Information Systems Accounting & Auditing	ISYS6050003	Information System Audit Fundamental	4	5
58	Interior Design	DSGN6608008	Interior Design and culture*	2	4
59	Architecture	ARCH6054014	Interior Design Principles**	2	4
60	Finance	FINC6189020	Introduction to Financial Market and Fin-Tech*&**	2	5
61	Japanese Literature	JAPN6111025	Introductory Japanese I	4	4
62	Business Law	LAWS6170028	Investment Law	2	4
63	Information Systems Accounting & Auditing	ISYS6608003	IT Service & Risk Management	2	5
64	Japanese Literature	JAPN6116025	Japanese Corporate Culture and Management (Nihon No Kigyuu Bunka to Manejimento)	2	5
65	Japanese Literature	JAPN6145025	Japanese Grammar I (Bunpou I)	4	4
66	Japanese Literature	JAPN6148025	Japanese Letter I (Kanji I)	2	4
67	Business Information Technology	ISYS6579003	Knowledge-Based AI: Cognitive Systems	4	5
68	Management	MGMT6276005	Leadership & Managing Human Capital in Organization	4	4
69	Industrial Engineering	ISYE6113011	Leadership & Organizational Behavior*&**	2	4
70	Business Law	LAWS6159028	Legal Aspect in Business	2	4
71	Business Law	LAWS6167028	Legal Philosophy & Professional Ethics	2	5

No	Course Owner Department	Course Code	Course Name	SCU	Semester
72	Business Law	LAWS6056028	Legal Research Methods	2	5
73	Business Information Technology	ISYS6577003	Machine Learning & Foundations	2	4
74	Business Creation	ENTR6494005	Managing Growing Business	2	5
75	Management	BUSS6173005	Managing Innovation and Knowledge	4	4
76	Global Business Marketing	MKTG6272005	Marketing Research	2/2	5
77	Marketing Communication	COMM6539019	Media Convergence in Creative Broadcasting	2	5
78	Marketing Communication	COMM6538019	Media Promotion & Marketing in Creative Broadcasting	2	5
79	Animation	DSGN6693007	Motion Graphic*	4	4
80	International Relations	INTR6162029	Multiculturalism and Digital Society	2	5
81	Computer Science	COMP6823001	Multimedia Systems**	2	4
82	International Relations	INTR6148029	Multinational Corporations Global Strategy and Social Responsibility	2/2	4
83	Management	MGMT6297005	Operations Management*	4	5
84	Management	BUSS6163005	Organization Development Strategy	2	5
85	Management	MGMT6375005	Organizational Learning	4	4
86	Creative Advertising	DSGN6661007	Photography	4	4
87	Psychology	PSYC6125027	Psychology of Special Needs Education	4	4
88	Japanese Literature	JAPN6149025	Reading Comprehension I (Dokkai I)	2	4
89	Business Information Technology	ISYS6606003	Smart Application	2	4
90	English Literature	SOCS6021024	Social and Digital Media Writing	2	4
91	Information Systems	ISYS6202003	Social Informatics	4	5
92	English Literature	ENGL6244024	Social Media Broadcasting	4	5
93	Information Systems	ISYS6016003	Social Media Fundamental	2	4
94	Management	MGMT6063005	Strategic Management	2	5
95	Industrial Engineering	ISYE6181011	System Engineering & Analysis**	2	4
96	Business Law	LAWS6176028	Tax Law	2	5
97	Tourism	TRSM6141022	Tourism Destination and Planning Management**	4	5
98	Tourism	TRSM6208022	Tourism Innovation and Product Development**	4	5
99	Animation	DSGN6694007	Visual Effect (VFX)*	4	4
100	English Literature	ENGL6158024	Writing for Children and Young Adults	2	5

**Enrichment Program I (6<sup>th</sup> Semester) & Enrichment Program II (7<sup>th</sup> Semester):**

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

**Enrichment Track Scheme**

Track	Semester 6							Semester 7							
	IN	RS	EN	CD	SA	IS	etc	IN	RS	EN	CD	SA	IS	FS	etc
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		

**Note:**

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

**Description:**

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
<b>Enrichment Program I</b>			20
ISYS6215003	Experience in Industry	8	
ISYS6844003	Requirement and Solution for Information Systems	8	
COMM6703003	Business & Professional Communication	4	
<b>Enrichment Program II</b>			20
ISYS6347003	Professional Program in Industry	8	
ISYS6845003	Design and Evaluation for Information Systems	8	
BUSS6249003	Business Ethic and Social Responsibility	4	

### Certified Entrepreneurship Track

Code	Course Name	SCU	Total
<b>Enrichment Program I</b>			20
ENTR6949003	New Venture Initiation in Information Systems	8	
ENTR6596003	Product Development Process for Information Technology Business	8	
ENTR6950003	EES in New Information Systems Business I	4	
<b>Enrichment Program II</b>			20
ENTR6951003	Product Launching in Information Systems	8	
ENTR6597003	Business Development for Information Technology Business	8	
ENTR6952003	EES in New Information Systems Business II	4	

### Certified Research Track

Code	Course Name	SCU	Total
<b>Enrichment Program I</b>			20
RSCH6275003	Research Experience	8	
RSCH6510003	Scientific Writing in Information Systems Research	8	
RSCH6460003	EES in Information Systems Research	4	
<b>Enrichment Program II</b>			20
RSCH6412003	Information Systems Research Experience	8	
RSCH6511003	Scientific Writing in Information Systems	8	
RSCH6414003	Global Employability and Entrepreneurial Skills in Information Systems Research	4	

### Certified Community Development Track

Code	Course Name	SCU	Total
<b>Enrichment Program I</b>			20
CMDV6156003	Community Outreach Project Implementation	8	
CMDV6289003	Community Outreach Project Design in Information Systems	8	
CMDV6259003	Employability and Entrepreneurial Skills in Information Systems Community	4	

Code	Course Name	SCU	Total
<b>Enrichment Program II</b>			20
CMDV6260003	Community Development Project Implementation	8	
CMDV6290003	Community Development Project Design in Information Systems	8	
CMDV6262003	Employability and Entrepreneurial Skills in Information Systems Community Development	4	

### Certified Study Abroad Track

Code	Course Name	SCU	Total
<b>Elective courses list for study abroad*</b>			20
<b>Enrichment Program I/II</b>			
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	
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	

\*) 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
<b>Elective courses list for certified specific independent study*</b>			20
<b>Enrichment Program I</b>			
MICR6033003	Course Certification I	3	
MICR6034003	Technical Skill Enrichment I	4	
MICR6035003	Industrial Project I	9	
MICR6036003	Soft Skill Enrichment I	4	
MICR6001003	Elective Course for Micro Credential Course 1	8	
MICR6002003	Elective Course for Micro Credential Course 2	8	
MICR6003003	Elective Course for Micro Credential Course 3	6	
MICR6004003	Elective Course for Micro Credential Course 4	6	
MICR6005003	Elective Course for Micro Credential Course 5	6	
MICR6006003	Elective Course for Micro Credential Course 6	5	

Code	Course Name	SCU	Total
MICR6007003	Elective Course for Micro Credential Course 7	5	
MICR6008003	Elective Course for Micro Credential Course 8	5	
MICR6009003	Elective Course for Micro Credential Course 9	5	
MICR6010003	Elective Course for Micro Credential Course 10	4	
MICR6011003	Elective Course for Micro Credential Course 11	4	
MICR6012003	Elective Course for Micro Credential Course 12	4	
MICR6013003	Elective Course for Micro Credential Course 13	4	
MICR6014003	Elective Course for Micro Credential Course 14	4	
MICR6015003	Elective Course for Micro Credential Course 15	3	
MICR6016003	Elective Course for Micro Credential Course 16	3	
MICR6017003	Elective Course for Micro Credential Course 17	3	
MICR6018003	Elective Course for Micro Credential Course 18	3	
MICR6019003	Elective Course for Micro Credential Course 19	3	
MICR6020003	Elective Course for Micro Credential Course 20	3	
MICR6021003	Elective Course for Micro Credential Course 21	2	
MICR6022003	Elective Course for Micro Credential Course 22	2	
MICR6023003	Elective Course for Micro Credential Course 23	2	
MICR6024003	Elective Course for Micro Credential Course 24	2	
MICR6025003	Elective Course for Micro Credential Course 25	2	
MICR6026003	Elective Course for Micro Credential Course 26	2	
MICR6027003	Elective Course for Micro Credential Course 27	2	
MICR6028003	Elective Course for Micro Credential Course 28	2	
MICR6029003	Elective Course for Micro Credential Course 29	1	
MICR6030003	Elective Course for Micro Credential Course 30	1	
MICR6031003	Elective Course for Micro Credential Course 31	1	
MICR6032003	Elective Course for Micro Credential Course 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.*

### Further Study Track

Code	Course Name	SCU	Total
<b>Enrichment Program II (Master of Management Information Systems: Information Systems Strategic Management Stream)</b>			20
ISYS6829003	Digital Technology and Transformation	4	
ISYS6830003	Data Analytics for Business	6	
ISYS6831003	Applied Technology in Information Systems*	4	
ISYS6849003	Strategic Planning for Information Systems	6	
<b>Enrichment Program II (Master of Management Information Systems: Digitalpreneurship Stream)</b>			
ISYS6829003	Digital Technology and Transformation	4	
ISYS6830003	Data Analytics for Business	6	
ISYS6831003	Applied Technology in Information Systems*	4	
ISYS6848003	New Media Ventures and Innovation	6	
<b>Enrichment Program II (Master of Computer Science: Data Science Stream)</b>			20
COMP6816003	Wireless and Cloud Computing Technologies	4	
COMP6997003	IT Disaster Recovery	6	
COMP6981003	Applied Technology in Computer Science*	4	
COMP6998003	Knowledge Engineering	6	
<b>Enrichment Program II (Master of Computer Science: Information Security Management)</b>			
COMP6816003	Wireless and Cloud Computing Technologies	4	
COMP6997003	IT Disaster Recovery	6	
COMP6981003	Applied Technology in Computer Science*	4	
COMP6980003	Networking and Security Concepts	6	
<b>Enrichment Program II (Master of Industrial Engineering)</b>			20
ISYE6316003	Advanced Supply Chain Management and Operations	4	
ISYE6317003	System Simulation and Analytics	6	
ISYE6319003	Applied Business Engineering Project*	4	
ISYE6318003	Industrial Product Design and Production	6	
<b>Enrichment Program II (Master of Accounting)</b>			20
ACCT6511003	COSO Framework Internal Control & Fraud Prevention	4	
ACCT6503003	Risk Assessment Analytics	6	
FINC6220003	Financial Reporting Decisions	6	
ACCT6505003	Applied Technology in Accounting*	4	
<b>Enrichment Program II (Master of Management: Business Management Program)</b>			20
ENPR6319003	Design Thinking for Innovation	4	
MKTG6341003	Business Negotiation	4	
MKTG6342003	Digital Marketing Strategy	4	
STAT6217003	Applied Statistics	4	
MGMT6574003	Human Resources Management Strategy	4	

Code	Course Name	SCU	Total
<b>Enrichment Program II (Master of Management: Creative Marketing Program)</b>			20
ENPR6319003	Design Thinking for Innovation	4	
MKTG6341003	Business Negotiation	4	
MKTG6342003	Digital Marketing Strategy	4	
FINC6245003	Financial Management	4	
MGMT6574003	Human Resources Management Strategy	4	

\*) Students are required to obtain certification no later than the end of the first semester of the master's (S2) program, as outlined in the university's official guidelines. This certification will be transferred as an undergraduate (S1) course and reported in the seventh semester of the undergraduate program.

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

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013003	Character Building: <i>Pancasila</i>	B
2.	ENTR6511001	Entrepreneurship: Market Validation	C
3.	ISYS6126003	Enterprise System	C
4.	ISYS6535003	Information Systems Analysis and Design*	C
5.	ISYS6198003	Data and Information Management*	C
6.	ISYS6256003	Information Systems Project Management	C
<b>Streaming : Business Intelligence</b>			
7.	ISYS6613003	Business Intelligence*	C
8.	ISYS6200003	Data Warehouse	C
<b>Streaming : Strategic Information System</b>			
7.	ISYS6614003	IS Strategy, Management and Acquisition	C
8.	ISYS6205003	Enterprise Architecture*	C
<b>Streaming : Digital Technology</b>			
7.	ISYS6615003	e-Business Design*	C
8.	ISYS6187003	Business Web Solution	C
<b>Streaming : Applied ERP</b>			
7.	ISYS6614003	IS Strategy, Management and Acquisition	C
8.	ISYS6205003	Enterprise Architecture*	C
<b>Streaming : Applied Database</b>			
7.	ISYS6613003	Business Intelligence*	C
8.	ISYS6201003	Data Warehouse and Data Mining	C

\*) Tutorial & Multipaper