Information Systems

Introduction

The need for Information Technology (IT) in the business industry has shifted into an environment that is more outward looking 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 for the whole organization and strengthen its competitiveness.

As a discipline, Information systems have been making positive contributions to a wide range of organizations, especially in this era of digital transformation where information can be accessed and distributed easily. Information systems help the 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 development (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
2. Business Analyst
3. Business Process Analyst
4. Digital Business Specialist
5. Enterprise Resource Planning (ERP) Specialist
6. Software Architect
7. Information Security Analyst
8. System Designer
9. Database Administrator
10. Database Analyst
11. Data Scientist
12. User Experience Designer
13. IT/IS Consultant
14. Application Developer
15. Web-Developer/Web-Designer
16. IT Development Project Leader
17. Software Quality Assurance Specialists
18. IT User Liaison
19. IT/IS Researcher
20. Technopreneur

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 an 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 Concept, Information Technology Infrastructure, 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, Information System Research Methodology, and Entrepreneurship.
6. Character Building and Language (Indonesian and English).
7. Concentration Subjects: Strategic Information Systems, Business Intelligence, Digital Technology, Applied Database, Applied Cloud Computing, and Applied Enterprise Resource Planning (ERP).
8. Minor Program
9. Free Electives
10. Enrichment Program
11. Thesis

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013003	Character Building: Pancasila	2	20
	ACCT6425003	Introduction to Financial Accounting	2	
	ISYS6186003	Business Process Fundamental** **(AOL)**	4	
	ISYS6093003	Information System Concept*&**	4	
	COMP6178003	Introduction to Programming	2/2	
	ISYS6675003	Information Technology Infrastructure	2	
	LANG6027003	Indonesian	2	
	Foreign Language Courses		0	
2	CHAR6014003	Character Building: Kewarganegaraan	2	20
	ISYS6123003	Introduction to Database Systems*&** **(AOL)**	2/2	
	ISYS6126003	Enterprise System*&** **(AOL)**	4	
	ISYS6338003	Testing and System Implementation*&** **(AOL)**	2	
	ENTR6509001	Entrepreneurship: Ideation	2	
	ISYS6596003	User Experience Research and Design** **(AOL)**	4/2	
	Foreign Language Courses		0	
3	CHAR6015003	Character Building: Agama	2	21
	ISYS6677003	Information Systems Analysis and Design**&*** **(AOL)**	5/2	
	ISYS6197003	Business Application Development	2/2	
	ISYS6256003	Information Systems Project Management*&**	4	
	ISYS6198003	Data and Information Management**	4	

Sem	Code	Course Name	SCU	Total
	Foreign Language Courses		0	
	ISYS6676003	Advanced Information System Analysis and Design**&***	5/2	
	ISYS6674003	Knowledge Management**	2	
	ISYS6478003	Research Methods in Information Systems	2	
	Stream : Business Intelligence			
	ISYS6613003	Business Intelligence**	2	
	ISYS6210003	Data Visualization*	2	
	ISYS6190003	Advance in Data & Information Management	4	
	Stream : Strategic Information System			
	ISYS6146003	Information System Security*	2	
	ISYS6614003	IS Strategy, Management and Acquisition**	2	
	ISYS6284003	Analytical Information System	4	
	Stream : Digital Technology			
	ISYS6211003	Web Based Application Development	2/2	
	ISYS6285003	Digital and New Media*&***	2	
	ISYS6615003	e-Business Design	2	
	Stream : Applied ERP			
4	ISYS6146003	Information System Security*	2	19
	ISYS6442003	Applied ERP: Fundamental	4	
	ISYS6614003	IS Strategy, Management and Acquisition**	2	
	Stream : Applied Database			
	ISYS6613003	Business Intelligence**	2	
	ISYS6210003	Data Visualization*	2	
	ISYS6567003	Applied Database: Database Programming With SQL and PL/SQL	4	
	Stream: Applied Cloud Computing			
	ISYS6734003	Cloud Computing Foundation*	4	
	ISYS6735003	Enterprise Cloud Security and Governance**	4	
	Stream : Marketing Intelligence[1]			
	ISYS6755052	Marketing Intelligence	4	
	ISYS6756052	Social Media Marketing & Analytics	4	
	Minor Program		**8**	
	Free Electives		**8**	
	Multidisciplinary Stream		**8**	
	Foreign Language Courses		**0**	
5	ENTR6511001	Entrepreneurship: Market Validation	2	20
	ISYS6538003	Advanced in Business Application Development** **(AOL)**	4/2	
	Stream : Business Intelligence			
	ISYS6200003	Data Warehouse**	4/2	
	ISYS6199003	Data & Text Mining	4	
	ISYS6196003	Business Analytics*	2	

Sem	Code	Course Name	SCU	Total
	Stream : Strategic Information System			
	ISYS6205003	Enterprise Architecture**	4	
	ISYS8066003	Business Process Management	4	
	ISYS6202003	Social Informatics*	4	
	Stream : Digital Technology			
	ISYS6187003	Business Web Solution**	4	
	ISYS6289003	Collaborative Computing*	4	
	ISYS6203003	Mobile Applications Development	2/2	
	Stream : Applied ERP			
	ISYS6205003	Enterprise Architecture**	4	
	ISYS6696003	Applied ERP: Integrated Business Process*	8	
	Stream : Applied Database			
	ISYS6201003	Data Warehouse and Data Mining**	4	
	ISYS6568003	Applied Database: Administration and Recovery	4	
	ISYS6569003	Applied Database: Application Development*	4	
	Stream : Applied Cloud Computing			
	ISYS6736003	Cloud Architecting*	4	
	ISYS6737003	Cloud Data Analytics**	4	
	ISYS6738003	Cloud Machine Learning	4	
	Stream: Marketing Intelligence[1]			
	ISYS6713052	Managing Content Marketing System	4	
	ISYS6714052	Marketing Automation System	4	
	ISYS6715052	Search Engine Optimization	4	
	Minor Program		12	
	Free Electives		12	
	Multidisciplinary Stream		12	
6	**Enrichment Program I**		20	20
7	**Enrichment Program II**		20	20
8	ISYS6616003	Pre-Thesis	2	6
	ISYS6617003	Thesis	4	
	ISYS6117003	Thesis	6	
			TOTAL CREDITS 146 Credits	

*) This course is delivered in English
**) Global Learning System Course
***) Entrepreneurship Embedded
1) Conducted for student mobility program in BINUS @Semarang
Students are required to choose one of the Stream or Minor Program or Free Electives or Multidisciplinary Stream or Mobility.

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

Streaming/Minor/Free Electives/Multidisciplinary Stream:

-) For 4th Semester: Students are required to choose Streaming or Minor Program or Free Electives or Multidisciplinary Stream. For Free Electives, students are required to choose from the list of Free Electives in Appendix.

-) For 5th Semester: Students are required to choose choose Streaming or Minor Program or Free Electives or Multidisciplinary Stream same with previous semester. 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 6th and/or 7th 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.

Minor Scheme

Minor Program	Semester 4	Semester 5
Minor @ Binus Kemanggisan		
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
Event Business and Entertainment	v	v
Creative Digital Storytelling	v	v
Digital Banking	v	v
Blockchain Technology and Business	v	v
Minor @ Binus Alam Sutera		
Digital Transformation	v	v
Minor @ Binus Bekasi		
Virtual Service Experience	-	-

Minor Program	Semester 4	Semester 5
Culinary	v	v
Minor @ Binus Malang		
Digital Technopreneur	v	v
Minor @ Binus Bandung		
DesignPreneur	v	v
Minor @ Binus Semarang		
Metaverse in Business	v	v
Content Creation	v	v

1. **Minor Program: Digital Ecosystem**
   Minor Fundamental Courses

	Course	SCU
COMP6683001	Introduction to Artificial Intelligence	2/2
ISYS6549003	Digital Innovation	4
COMP6937001	Current Trends in Technology	2
	Total SCU	**10**

    Minor Supporting Courses

	Course	SCU
COMM6501019	Narative Development	4
DSGN6834007	Visual Identity	4
COMP6685001	Cyber Security for Business	2
	Total SCU	**10**

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
	Total SCU	**20**

3. **Minor Program: Sustainable Development**
   Minor Fundamental Courses

	Course	SCU
ISYE6154011	Sustainable Design and Manufacture	4
CPEN6217010	Digital for Sustainable Development	4
ARCH6119014	Introduction to Sustainable Development	2
	Total SCU	**10**

    Minor Supporting Courses

	Course	SCU
ISYE6155011	Occupational, Health, Safety, and Administration in Engineering	2
DSGN6835008	Engineering Material	4
CIVL6118013	Engineering Economic	4
	Total SCU	**10**

4. **Minor Program: Cross Cultural Communication**
   Minor Fundamental Courses

Course		SCU
CHIN6132026	Chinese Conversation in Daily Activities	4
COMM6502019	Communication in Diversity	2
BUSS6170025	Asian Business Ethics	4
	Total SCU	**10**

   Minor Supporting Courses

Course		SCU
CHIN6134026	Chinese Conversation in Business Communication	4
LAWS6158028	Private International Law	2
INTR6135029	Comparative Politics	4
	Total SCU	**10**

5. **Minor Program: Interactive & Users Experience Design**
   Minor Fundamental Courses

Course		SCU
ISYS6553003	User-Centered Research and Evaluation	4
PSYC6176027	Psychology and User Experience	4
DSIN6003007	Fundamental of Interface Design	2
	Total SCU	**10**

   Minor Supporting Courses

Course		SCU
ISYS6554003	Core Principles: Interactive Design	4
DSGN6837007	Digital Design Production	4
ISYS6556003	Information Architecture	2
	Total SCU	**10**

6. **Minor Program: Data Analytics**
   Minor Fundamental Courses

Course		SCU
ISYS6680003	Introduction to Data Analytics	2
ISYS6681003	Data Management & Descriptive Analytics	4
STAT6198049	Statistical for Decision Making	4
	Total SCU	**10**

   Minor Supporting Courses

Course		SCU
ISYS6682003	Application of Predictive Analytics to Business Data	4
ISYS6683003	Prescriptive Analytics and Optimization	4
MKTG6312005	Digitalization of Markets and Consumption	2
	Total SCU	**10**

7. **Minor Program: Robotic Process Automation**
   Minor Fundamental Courses

Course		SCU
COMP6857001	Basic Programming for Automation	2
COMP6858001	RPA Concept & Design	2
ISYS6684003	RPA Developer Fundamental	4
ISYS6687003	Business Process Improvement	2
	Total SCU	**10**

Minor Supporting Courses

Course		SCU
ISYS6685003	RPA Developer Advance	4
ISYS6686003	RPA Business Analytics Fundamental	4
COMP6859001	Intelligence Automation	2
	Total SCU	**10**

8. **Minor Program: Event Business and Entertainment**
   Minor Fundamental Courses

Course		SCU
HTMN6151021	Event Marketing Management	2
HTMN6152021	Catering Management	4
TRSM6232022	MICE (Meeting, Incentive, Convention, Exhibition) Management	4
	Total SCU	**10**

   Minor Supporting Courses

Course		SCU
TRSM6233022	Event Sponsorship and Funding	2
TRSM6234022	Sport and Entertainment Event Management	4
TRSM6235022	Festival & Cultural Event	4
	Total SCU	**10**

9. **Minor Program: Creative Digital Storytelling**
   Minor Fundamental Courses

Course		SCU
ENGL6274024	Approaches in Multimodal Storytelling	2
DSIN6033007	Visual Storytelling	2
ENGL6275024	Storytelling for Business	2
FILM6118009	Script Development & Pitching	4
	Total SCU	**10**

   Minor Supporting Courses

Course		SCU
ENGL6276024	Cultures, Language, and Arts Production	4
JAPN6212025	Anime and Manga as Storytelling	2
ENGL6277024	Music as Medium for Storytelling	4
	Total SCU	**10**

10. **Minor Program: Digital Banking**
    Minor Fundamental Courses

Course		SCU
ISYS6824003	Technology Innovation in Banking	2
FINC6217020	Bank Risk Management in the Digital Era	4
FINC6218020	Digital Finance and The Role of Central Bank	4
	Total SCU	**10**

    Minor Supporting Courses

Course		SCU
MGMT6510005	Business Process Management in Banking and Finance	4
ISYS6825003	Data Analytics in Banking and Finance	4
MGMT6511005	Digital Leadership	2
	Total SCU	**10**

11. Minor Program: Blockchain Technology and Business
Minor Fundamental Courses

Course		SCU
ISYS6826003	Introduction to Blockchain Technology	4
ISYS6827003	Blockchain Economy & Business	4
DTSC6016001	Basic Blockchain Programming	2
	Total SCU	10

Minor Supporting Courses

Course		SCU
ISYS6828003	Blockchain Architecture Design and Implementation	4
DTSC6017001	Advanced Blockchain Programming	2
DTSC6018001	Prototyping Blockchain Project	4
	Total SCU	10

12. Minor Program: Digital Transformation
Minor Fundamental Courses

Course		SCU
ISYS6559003	Business Models and Technology Innovation	4
ISYS6557003	Business Data Management	4
MGMT6484005	Digital Strategy	2
	Total SCU	10

Minor Supporting Courses

Course		SCU
ISYS6695003	Digital Marketing Analysis	4
STAT6200049	Practical Statistics for Digital Business	4
ISYS6560003	Success Factor for Leading Digital Transformation	2
	Total SCU	10

13. Minor Program: Culinary
Minor Fundamental Courses

Course		SCU
HTMN6108021	Food and Beverage Management	2
HTMN6008021	Kitchen Operation	4
HTMN6128021	Pastry and Bakery Operation	4
	Total SCU	10

SCU for HTMN6008021, HTMN6128021 are practical

Minor Supporting Courses

Course		SCU
HTMN6155021	Indonesian Cuisine	4
HTMN6125021	Restaurant Operation	4
HTMN6154021	Culinary Tourism	2
	Total SCU	10

SCU for HTMN6155021, HTMN6125021 are practical

14. Minor Program: Digital Technopreneur
Minor Fundamental Courses

Course		SCU
ENTR6528002	The Entrepreneurial Innovator	4

Course		SCU
DSGN6839006	Interactive Design	4
COMM6504018	Digital Branding	2
ENPR6196002	Market Intelligence	2
COMP6687004	User Experience Design	4
DSGN6844023	Prototyping Digital Future	4
	Total SCU	20

15. Minor Program: Designpreneur

Course		SCU
ENTR6525032	Fundamental of Designpreneur	4
COMP6688031	UI/UX Development	4
DSGN6797034	Surface Packaging Design	4
ENTR6526032	Hospitality and Service Design	4
DSGN6843033	Project Design	4
	Total SCU	20

16. Minor Program: Metaverse in Business
Minor Fundamental Courses

Course		SCU
ISYS6777052	Business Model	2
COMP6889051	Virtual Reality	4
COMP6890051	Augmented reality	4
	Total SCU	10

Minor Supporting Courses

Course		SCU
ISYS6778052	Data Analytics	2
DSGN6981053	Design Thinking	4
DSGN6980053	Interface Design	4
	Total SCU	10

17. Minor Program: Content Creation
Minor Fundamental Courses

Course		SCU
FILM6105009	Filmmaking Fundamental	4
MKTG6392055	Digital marketing	4
DSIN6042053	Photography for Creators	2
	Total SCU	10

Minor Supporting Courses

Course		SCU
DSGN6990053	Creative Storytelling	4
DSIN6043053	Strategic Influence	2
DSIN6041053	Introduction to Visual Communication Design	4
	Total SCU	10

Appendix: Free Electives (4ᵗʰ Semester & 5ᵗʰ Semester)

No	Course Owner Department	Course Code	Course Name	SCU	Semester
1	Business Management	MGMT6455005	Servitization and Customer Experience Management	2	4
2	Business Management	MGMT6456005	Fundamentals of Supply Chain Management	4	4
3	Business Management	MGMT6457005	Global Supply Chain Services	4	4
4	Business Management	MGMT6401005	Digital Supply Chain Management	2	4
5	Business Management	MGMT6365005	Current Issue in Service Business and Technology**	2	4
6	Business Management	MGMT6400005	Supply Chain Strategy	2	5
7	Business Management	MGMT6459005	Retail Management	4	5
8	Management	FINC6001005	Financial Management	4	5
9	Management	MGMT6462005	Leadership Agility	4	4
10	Management	MGMT6463005	Organizational Behavior	4	4
11	Management	MGMT6464005	Corporate Governance	2	4
12	Management	MGMT6341005	Strategic Management	4	4
13	Management	LAWS6159005	Legal Aspect in Business	2	4
14	Global Business Marketing	MKTG6321005	Marketing Data Analytics	4	4
15	Global Business Marketing	MKTG6237005	Global Strategic Marketing : Asia Pasific Perspective	4	4
16	Global Business Marketing	MKTG6270005	Retail and Omni Channel	2	4
17	Global Business Marketing	MKTG6272005	Marketing Research	2/2	4
18	Global Business Marketing	MGMT6358005	Managing Business Information	2/2	5
19	International Business Management	BUSS6222005	Export-Import Cost Management	2	4
20	International Business Management	MGMT6458005	Global Supply Chain Management	2	4
21	International Business Management	BUSS6191005	Export-Import Management	2	4
22	International Business Management	MGMT6357005	Multinational Corporation Management	4	5
23	International Business Management	BUSS6223005	Trade in Asia	2	5
24	Computer Engineering	CPEN6098010	Computer Networks	2/2	5
25	Computer Engineering	CPEN6220010	Computer Networks & Information Security	4/1	5
26	Industrial Engineering	ISYE6181011	System Engineering & Analysis	2	4
27	Industrial Engineering	ISYE6041011	Engineering Economy	2	4
28	Industrial Engineering	ISYE6067011	Global Supply Chain	2	5

No	Course Owner Department	Course Code	Course Name	SCU	Semester
29	Industrial Engineering	ISYE6115011	Transportation Modeling	2	5
30	Industrial Engineering	ISYE6167011	Decision Support System	2	5
31	Industrial Engineering	ISYE6168011	Financial Engineering	2	5
32	Industrial Engineering	ISYE6169011	Maintenance Management Systems	2	5
33	Food Technology	CPEN6235015	IoT in Food Industry	2	5
34	Computer Science	COMP6800001	Human and Computer Interaction	2/1	4
35	Computer Science	COMP6823001	Multimedia Systems	2	4
36	Computer Science	ISYS6211001	Web Based Application Development	2/2	4
37	Computer Science	COMP7128001	Game Design	2	4
38	Computer Science	COMP6590001	Geographical Information System	2/2	5
39	Marketing Communication	COMM6613019	Introduction to Media Industry	2	4
40	Marketing Communication	COMM6624019	Digital Creative Content	2/2	5
41	Marketing Communication	COMM6533019	Creative Program Design	2/2	5
42	Marketing Communication	COMM6633019	Corporate Sustainability	4	5
43	Marketing Communication	COMM6632019	Writing for Corporate Communication	2/2	5
44	Marketing Communication	COMM6541019	Digital Corporate Communication	2/2	5
45	Marketing Communication	COMM6634019	Environmental Issues and Brand Activism	4	5
46	Marketing Communication	COMM6635019	Integrated Marketing Communication	2	5
47	Marketing Communication	COMM6638019	Social Media Planning & Engagement	2/2	5
48	Tourism	BUSS6137022	Tourism E-Business	4	4
49	Tourism	TRSM6140022	Tourism Law and Regulation	2	4
50	Tourism	TRSM6142022	Event Management	4	5
51	Tourism	BUSS6137022	Tourism E-Business	4	5
52	Hotel Management	HTMN6145021	Revenue Management in Hospitality	2	4
53	Hotel Management	HTMN6027021	Service Management	4	4
54	Taxation	TAXN6055020	Customs, Export and Import Tax Planning	2	4
55	Finance	FINC6189020	Introduction to Financial Market and Fin-Tech	2	5
56	Cyber Security	COMP6549001	Software Security	2	4
57	Cyber Security	COMP6542001	Computer Security Fundamental	2	5
58	Data Science	DTSC6005001	Data Mining and Visualization	2/1	4
59	Data Science	DTSC6006001	Machine Learning	2/1	5
60	Mobile Application & Technology	MOBI6070001	Embedded System and Internet of Things	3	5
61	Mathematics	MATH6187016	Machine Learning	2/1	4
62	Information Systems	ISYS6210003	Data Visualization	2	4

No	Course Owner Department	Course Code	Course Name	SCU	Semester
63	Information Systems	ISYS6594003	Coding for Finance	2	4
64	Information Systems	ISYS6199003	Data & Text Mining	4	5
65	Information Systems	ISYS6402003	Business Analytics	2/2	5
66	Information Systems	ISYS8066003	Business Process Management	4	5
67	Information Systems	ISYS6203003	Mobile Application Development	2/2	4
68	Business Information Technology	ISYS6574003	Information Retrieval	4	4
69	Business Information Technology	ISYS6577003	Machine Learning & Foundations	2	4
70	Business Information Technology	ISYS6606003	Smart Application	2	4
71	Business Information Technology	ISYS6579003	Knowledge-Based AI: Cognitive Systems	4	5
72	Animation	DSGN6689007	Concept Art & Production Design	2	5
73	Animation	DSGN6690007	Animation Storytelling	2	5
74	Creative Advertising	DSGN6651007	Photography	4	4
75	Creative Advertising	DSGN6661007	Photography	4	5
76	Film	FILM6080009	Southeast Asian Cinema & Popular Culture	4	4
77	Film	FILM6059009	Global Cinema	4	5
78	Interior Design	DSGN6888008	Interior Accessories Design	2	4
79	International Relations	INTR6148029	Multinational Corporations Global Strategy and Social Responsibility	2/2	4
80	International Relations	INTR6158029	Indonesia's Defense and Security Policy	2	4
81	International Relations	INTR6162029	Multiculturalism and Digital Society	2	4
82	International Relations	INTR6180029	Introduction to International Media	2	5
83	English Literature	SOCS6021024	Social and Digital Media Writing	2	4
84	English Literature	ENGL6244024	Social Media Broadcasting	4	4
85	English Literature	SOCS6021024	Social and Digital Media Writing	2	5
86	English Literature	ENGL6244024	Social Media Broadcasting	4	5
87	Business Law	LAWS6017028	Intellectual Property Rights	4	5
88	Business Law	LAWS6052028	Bankruptcy Law	2	5
89	Business Law	LAWS6176028	Tax Law	2	5
90	Psychology	PSYC6130027	Human Performance Technology	4	5
91	Psychology	PSYC6191027	E-Learning Psychology	4	5
92	Psychology	PSYC6123027	Educational Psychology	2	4
93	Primary Teacher Education	EDUC6072030	International Curriculum	2	4
94	Primary Teacher Education	EDUC6073030	ICT for Distance Learning	4	4
95	Primary Teacher Education	EDUC6073030	ICT for Distance Learning	4	5

No	Course Owner Department	Course Code	Course Name	SCU	Semester
96	Japanese Literature	JAPN6150025	Ideas and Images of Japanese Culture (Nihon Bunka Aidea to Imeeji)	2	4
97	Japanese Literature	JAPN6173025	Contemporary Japanese Society Through Various Perspective (Nihon Shakai e no Kangaekata)	2	4
98	Japanese Literature	JAPN6056025	Practical Japanese Culture (Nihon Bunka Taiken)	2	4
99	Japanese Literature	JAPN6104025	Japanese Industry and Technology	2	4
100	Japanese Literature	JAPN6104025	Japanese Industry and Technology	2	5

Enrichment Program I (6th Semester) & Enrichment Program II (7th 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
Enrichment Program I			
ISYS6215003	Experience in Industry	8	20
ISYS6844003	Requirement and Solution for Information Systems	8	
COMM6703003	Business & Professional Communication	4	
Enrichment Program II			
ISYS6347003	Professional Program in Industry	8	20
ISYS6845003	Design and Evaluation for Information Systems	8	
BUSS6249003	Business Ethic and Social Responsibility	4	

Certified Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENTR6949003	New Venture Initiation in Information Systems	8	20
ENTR6596003	Product Development Process for Information Technology Business	8	
ENTR6950003	EES in New Information Systems Business I	4	
Enrichment Program II			
ENTR6951003	Product Launching in Information Systems	8	20
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
Enrichment Program I			
RSCH6275003	Research Experience	8	20
RSCH6510003	Scientific Writing in Information Systems Research	8	
RSCH6460003	EES in Information Systems Research	4	
Enrichment Program II			
RSCH6412003	Information Systems Research Experience	8	20
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
Enrichment Program I			
CMDV6156003	Community Outreach Project Implementation	8	20
CMDV6289003	Community Outreach Project Design in Information Systems	8	
CMDV6259003	Employability and Entrepreneurial Skills in Information Systems Community	4	
Enrichment Program II			
CMDV6260003	Community Development Project Implementation	8	20
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
Elective courses list for study abroad*			
Enrichment Program I/II			
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	

*) 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	
CSIS6003003	Industrial Project	9	20
CSIS6004003	Soft Skill Enrichment	4	
CSIS6005003	Elective Course for Specific Independent Study 1	8	
CSIS6006003	Elective Course for Specific Independent Study 2	8	

Code	Course Name	SCU	Total
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.

Further Study Track

Code	Course Name	SCU	Total
Enrichment Program II			
ISYS6654003	Service Oriented Analysis and Design	4	
ISYS6655003	Change Management for Enterprise	4	
ISYS6656003	Digital Transformation Management	4	20
ISYS6657003	Data Analytics for Research	4	
ISYS6660003	Visualization and Descriptive Analytics	4	

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.	ISYS6186003	Business Process Fundamental	C
4.	ISYS6126003	Enterprise System*	C
5.	ISYS6123003	Introduction to Database Systems	C
6.	ISYS6677003	Information Systems Analysis and Design*	C
7.	ISYS6198003	Data and Information Management*	C
8.	ISYS6256003	Information Systems Project Management	C

*) Tutorial & Multipaper