Information Systems

Introduction

The need for Information Technology (IT) in the business industry has shifted to 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 has 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 helps 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 information system study program specialized in IT-business, recognized internationally, and champions innovation for fostering and empowering the society.

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 Systems 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.

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 specialist
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 the Association for Computing Machinery (ACM) and the 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 Management, Strategy, and Acquisition, Enterprise Business Process, Information Technology Infrastructure, Digital Innovation, and IS/IT Governance.
2. Database, Data and Information Management, and Data Modeling.
3. User Experience Research and Design, Information Systems Analysis and Design.
4. Programming, Information Systems Project Management, Testing and Implementation.
5. Foundation of AI, Information System Research Methodology, and Entrepreneurship.
6. Character Building and Language (Indonesian and English).

7. Concentration Subjects: User Experience, Business Intelligence, IT Governance, Digital Technology Automation, Cloud Computing, and 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
	ISYS6896003	Information Systems Management, Strategy and Acquisition[1]	4	
	ISYS6901003	Enterprise Business Process[2] - **(AOL)**	4	
	ISYS6596003	User Experience Research and Design[2] - **(AOL)**	4/2	
	ISYS6898003	Algorithm and Programming - **(AOL)**	2/2	
	Foreign Language Courses		0	
2	CHAR6014003	Character Building: Kewarganegaraan	2	20
	ISYS6892003	Database Fundamental[1&2] - **(AOL)**	4/2	
	ISYS6897003	Digital Innovation - **(AOL)**	2	
	ISYS6894003	IT Infrastructure & Emerging Technology	4	
	ISYS6900003	IT Governance & Security[2]	4	
	COSC6011003	Foundations of Artificial Intelligence	2	
	Foreign Language Courses		0	
3	CHAR6015003	Character Building: Agama	2	20
	LANG6027003	Indonesian	2	
	INFS6068003	Data and Information Management[2] - **(AOL & AIE)**	2	
	INFS6069003	Fundamental of Mathematics and Statistics	2	
	COSC6050003	Programming for Business	2/2	
	ISYS6893003	Information Systems Analysis and Design[2] - **(AOL)**	4/2	
	ISYS6338003	Testing and Systems Implementation[1] - **(AOL)**	2	
	Foreign Language Courses		0	
4	ENPR6311001	Creativity and Innovation[3]	2	22
	ISYS6895003	Data Modelling[3]	2/2	
	ISYS6256003	Information Systems Project Management[1,2&3] - **(AOL)**	4	
	ISYS6902003	Research Methods in Information Systems[3] - **(AIE)**	4	
	Stream : Business Intelligence			
	ISYS6914003	Cloud Database	4	
	ISYS6915003	Data Visualization	4	
	Stream : IT Governance			
	ISYS6916003	Information Systems Audit	4	
	ISYS6917003	IT Service and Risk Management	4	

Sem	Code	Course Name	SCU	Total
	Stream : Digital Technology Automation			
	ISYS6918003	Process Automation Development	4	
	ISYS6203003	Mobile Applications Development	2/2	
	Stream : Enterprise Resource Planning			
	ISYS6205003	Enterprise Architecture[2]	4	
	ISYS6943003	The Currents Trends of ERP	4	
	Stream : User Experience			
	ISYS6919003	User Experience Design Principles and Concept	4	
	ISYS6920003	Web Design Essentials	2/2	
	Stream: Cloud Computing			
	ISYS6734003	Cloud Computing Foundation[1]	4	
	ISYS6735003	Enterprise Cloud Security and Governance[2]	4	
	Stream : Marketing Intelligence[4]			
	ISYS6755052	Marketing Intelligence	4	
	ISYS6756052	Social Media Marketing & Analytics	4	
	Stream: Business Automation[5]			
	ISYS6984064	Digital Process Optimization[1&2]	2	
	ISYS6985064	Business Analysis for Automation	4/2	
	Minor Program		8	
	Free Electives		**8**	
	Foreign Language Courses		**0**	
5	ENPR6312001	Venture Creation[3]	2	18
	ISYS6899003	Minor Project in Information Systems[3] - **(AOL & AIE)**	4	
	Stream : Business Intelligence			
	ISYS6921003	Database Programming with PL/SQL	4	
	ISYS6922003	Enterprise Data Warehouse[2]	4/2	
	ISYS6923003	Big Data Architecture[1]	2	
	Stream : IT Governance			
	ISYS6924003	Cyber Security Governance & Compliance[1&2]	4	
	ISYS6925003	Digital Forensic Analysis and Reporting	4	
	ISYS6926003	Penetration Testing	4	
	Stream : Digital Technology Automation			
	ISYS6927003	Business Analysis for Automation	4	
	ISYS6289003	Collaborative Computing[1&2]	4	
	ISYS6920003	Web Design Essentials	2/2	
	Stream : Enterprise Resource Planning			
	ISYS8066003	Business Process Management	4	
	ISYS6944003	Enterprise Resource Planning Systems[1&2]	8	
	Stream : User Experience			
	ISYS6929003	User Research & Evaluation for Experience Design[2]	4	

Sem	Code	Course Name	SCU	Total
	ISYS6930003	Advanced Prototyping and Interaction Design	2/2	
	ISYS6931003	Information Architecture & UX Writing[1]	4	
	Stream: Cloud Computing			
	ISYS6736003	Cloud Architecting[1]	4	
	ISYS6737003	Cloud Data Analytics[2]	4	
	ISYS6738003	Cloud Machine Learning	4	
	Stream: Marketing Intelligence[4]			
	ISYS6713052	Managing Content Marketing System	4	
	ISYS6714052	Marketing Automation System	4	
	ISYS6715052	Search Engine Optimization	4	
	Stream: Business Automation[5]			
	ISYS6987064	Automation Development for Digital Enterprises	4/2	
	ISYS6988064	Intelligent Automation	2	
	ISYS6989064	Programming for Automation	2/2	
	Minor Program		12	
	Free Electives		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				

1) This course is delivered in English
2) Global Learning System course
3) If students opt for mobility by enrolling in a minor program at BINUS @Bandung, BINUS @Malang, BINUS @Semarang or BINUS @Medan, these courses will be conducted onsite by Host Campus or online by Home Campus
4) Conducted for student mobility program in BINUS @Semarang
5) Conducted for student mobility program in BINUS @Medan

-) **AOL** *- Assurance of Learning Process System*
-) **AIE** *- Artificial Intelligence Embedded Course*

Stream:
- ***Enterprise Resource Planning:*** *CGPA of 2 semesters ≥ 3.00, and Total Credits from 1and 2 semester ≥ 40 scu.*
- ***Cloud Computing:*** *CGPA of 2 semesters ≥ 3.00, and Total Credits from 1 and 2 semester ≥ 40 scu.*
- ***User Experience:*** *The Stream is offered at the Kemanggisan campus. Alam Sutera students who choose this stream will take lectures at the Kemanggisan campus.*

Streaming or Minor or Free Electives or Mobility:
-) The detail of mobility, including streaming name and course information, may be subject to change at any time depending on the curriculum requirements of each campus. Students will be informed about any updates to mobility streaming during the registration period.
-) For 4th Semester: Students are required to choose one of the Stream or Minor Program or Free Electives or Mobility, For Free Electives, students are required to choose from the list of Free Electives in Appendix.
-) For 5th Semester: Students will continue to study one of the Stream or Minor Program or Free Electives or Mobility that has been choosen in semester 4. 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 are personalized courses that can be taken by the students according to their own pace from semester 1 until semester 4 or before they take enrichment. The courses are available at BINUSMAYA – Beelingua. Students must pass with a minimum Grade of C.

The following are the provisions of the courses that must be taken by students:

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 Beelingua Placement Test score less than 60 are required to take English for Frontrunners and English for Independent Users.*
2. *Students with Beelingua Placement Test score between 61-99 are required to take English for Independent Users and English for Professionals.*
3. *Students with Beelingua Placement Test score greater than 99 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		
Blockchain Technology and Business	V	V
Creative Digital Storytelling	-	-
Cross Cultural Communication	-	-
Digital Banking	V	V
Digital Ecosystem	-	-
English for Business Professionals	-	-
Event Business and Entertainment	-	-
Human Capital in Digital Workplace	V	V
Interactive & Users Experience Design	-	-
Sustainable Development	-	-
Minor @ Binus Alam Sutera		
Digital Transformation	V	V
Minor @ Binus Bekasi		
Culinary	-	-
Korean Culture and Creativity	-	-

Minor Program	Semester 4	Semester 5
Minor @ Binus Malang		
Chinese for Career Pathways	-	-
Digital Technopreneur	V	V
English for Business Professionals	-	-
Minor @ Binus Bandung		
Creative Digital Storytelling	-	-
DesignPreneur	V	V
Minor @ Binus Semarang		
Content Creation	-	-
Data Analytics	-	-
Immersive Journey to Japanese Language and Culture	-	-
Minor @ Binus Medan		
Global Business	V	V

The minor programs can change anytime based on the trends of knowledge and industry each year. Students will receive information about the updated minor programs during the registration period.

1. Minor Program: Blockchain Technology and Business

Introduction

Blockchain is currently one of the fastest-growing industries in the technology sector. Also, based on Gemini's 2022 outlook, Indonesia is the most crypto-adopting country in Asia. The blockchain minor program initiative at BINUS could facilitate the students to learn and explore the technology. The Blockchain minor program explores the concept and development of blockchain from the technology and business perspectives. Beyond the blockchain concept, students will learn how to develop smart contracts and understand the architectural needs of a blockchain-based application. Finally, students will apply their knowledge in a project-oriented capstone course, during which they will design and develop a practical application of blockchain technology.

Career Options

Blockchain Consultant, Blockchain Architect, Blockchain Security Auditor,Token Economy Consultant, Smart Contract Developer, Web3 Entrepreneur.

Course Distribution

Fundamental Courses

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

Supporting Courses

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

Additional Information

None

2. Minor Program: Digital Banking

Introduction

A set of elective courses students can take from selected study programs at Binus University. This set aims to:

1. Comprehensive understanding of various concepts and practices in digital banking.
2. Critically Evaluate the implementation of digital banking for business optimization.
3. Apply relevant techniques of digital banking for business.
4. Develop solutions for various problems in digital banking.

Career Options

This minor would substantially contribute to the banking profession in Indonesia and its ecosystem (regulators, IT-Business Consultant, Financial Analysts, and other Finance Professions).

Course Distribution

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**

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**

Additional Information

None

3. Minor Program: Human Capital in Digital Workplace

Introduction

HCDW focuses on the human aspect of improving performance and developing human resources in the Industrial 4.0 era, which utilizes a significant number of digital and mobile workspaces.

Career Options

Human resource consultant, human resource manager, HR application developer (HRIS developer), HR development consultant.

Course Distribution

Fundamental Courses

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**

Additional Information

None

4. Minor Program: Digital Transformation

Introduction

Digital Transformation provides knowledge on how information technology can be a competitive advantage in business processes. In this minor program, students will learn about innovation in business processes, data management, and strategies that can support companies to become leaders in the digital era.

Career Options

Business Analyst, System Analyst, Corporate Information Systems Designer, Database Administrator, Database Designer, Technopreneur, IS Project Manager, IT/IS Consultant and Auditor, Social Media professional, and Marketing Analyst.

Course Distribution

Fundamental Courses

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

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**

Additional Information

None

5. Minor Program: Digital Technopreneur

Introduction

Digital Technopreneur is a minor program that facilitates students in exploring the potentials of developing digital technology venture that combines technical competence with entrepreneurial skills, creativity, and innovative ideas to produce digital technology business models & prototypes. The minor program embraces the human-centered approach in helping students to develop innovative value propositions.

Career Options

Entrepreneur, Digital-preneur, Techno-preneur, Creative-preneur, Design-preneur.

Course Distribution

Fundamental Courses

Course		SCU
ENTR6528002	The Entrepreneurial Innovator	4
COSC6164004	Web Programming for Business	4
COSC6165004	Data Analytics for Business	4
ENPR6370002	Market Intelligence	4
COMP6687004	User Experience Design	4
	Total SCU	**20**

Additional Information

None

6. Minor Program: Designpreneur

Introduction

The Designpreneur Minor program give students the ability to be able to produce innovative work in the form of products or services based on creativity and design that can be utilized in running or developing a business.

Career Options

Design journalist, product designer, packaging designer, service system designer, service process analyst, creative director, sociopreneur.

Course Distribution

Fundamental Courses

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**

Additional Information

None

7. Minor Program: Global Business

Introduction

The Global Business minor program is designed for students who aspire to integrate creativity, business acumen, and technological expertise in a global context. This program equips students with essential knowledge and skills in digital business innovation, creative industry management, and emerging technologies. Students will explore topics such as digital entrepreneurship, creative content monetization, business model innovation, and the application of advanced technologies like artificial intelligence, blockchain, and immersive media in creative industries. By combining business strategy with technological advancements, this minor prepares students to become agile professionals capable of navigating and leading in the evolving global marketplace. This program is ideal for students from various disciplines who wish to enhance their competencies in creative business and technology, fostering interdisciplinary innovation and international competitiveness.

Career Options

Digital Business Strategist, Creative Entrepreneur, Digital Marketing Specialist, UX/UI Designer, Tech- Driven Product Manager, Creative Industry Manager, E-commerce & Content Monetization Expert, Brand & Digital Experience Manager, Creative Technologist.

Course Distribution

Fundamental Courses

Course		SCU
DSIN6142066	Global Interactive Design	4
BUSS6275061	E-Commerce and Digital Entrepreneurship	4
COSC6159060	Emerging Technologies in Global Business	4
ISYS6997064	Data Analytics for Global Business	4
TRDE6001065	Global Regulatory Environment	4
	Total SCU	**20**

Additional Information

Open a maximum of 2 classes per batch per semester, with each class accommodating up to 30 students

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

No	Course Owner Department	Course Code	Course Name	SCU	Semester
1	Tourism	TRSM6142022	Event Management	4	4
2	Taxation	TAXN6055020	Customs, Export and Import Tax Planning	2	4
3	Statistics	STAT6157049	Data Mining and Visualization	2	5
4	Psychology	PSYC6191027	E-Learning Psychology	4	5
5	Psychology	PSYC6123027	Educational Psychology	2	4
6	Mathematics	MATH6187016	Machine Learning	2/1	4
7	Marketing Communication	COMM6425019	Event Management	2	4
8	Marketing Communication	COMM6633019	Corporate Sustainability	4	5
9	Marketing Communication	COMM6632019	Writing for Corporate Communication	2/2	5
10	Marketing Communication	COMM6635019	Integrated Marketing Communication	2	5
11	Marketing Communication	COMM6638019	Social Media Planning & Engagement	2/2	5
12	Management	MGMT6462005	Leadership Agility	4	4
13	Management	BUSS6109005	Business Development	4	4
14	International Relations	INTR6148029	Multinational Corporations Global Strategy and Social Responsibility	2/2	4
15	International Relations	INTR6158029	Indonesia's Defense and Security Policy	2	4
16	International Relations	INTR6162029	Multiculturalism and Digital Society	2	4
17	International Relations	INTR6180029	Introduction to International Media	2	5
18	International Business Management	BUSS6222005	Export-Import Cost Management	2	4
19	International Business Management	MGMT6458005	Global Supply Chain Management	2	4
20	International Business Management	BUSS6191005	Export-Import Management	2	4
21	International Business Management	MGMT6357005	Multinational Corporation Management	4	5
22	International Business Management	BUSS6223005	Trade in Asia	2	5
23	Business Analytics	ISYS6915003	Data Visualization	4	4
24	Information Systems	ISYS6203003	Mobile Applications Development	2/2	4
25	Information Systems	ISYS6205003	Enterprise Architecture	4	4
26	Information Systems	ISYS6929003	User Research and Evaluation for Experience Design	4	5
27	Information Systems	ISYS6931003	Information Architecture and UX Writing	4	5
28	Information Systems	ISYS8066003	Business Process Management	4	5
29	Industrial Engineering	ISYE6181011	System Engineering & Analysis	2	4

No	Course Owner Department	Course Code	Course Name	SCU	Semester
30	Industrial Engineering	ISYE6041011	Engineering Economy	2	4
31	Industrial Engineering	ISYE6113011	Leadership & Organizational Behavior	2	4
32	Industrial Engineering	ISYE6067011	Global Supply Chain	2	5
33	Industrial Engineering	ISYE6115011	Transportation Modeling	2	5
34	Industrial Engineering	ISYE6167011	Decision Support System	2	5
35	Industrial Engineering	ISYE6168011	Financial Engineering	2	5
36	Industrial Engineering	ISYE6169011	Maintenance Management Systems	2	5
37	Hotel Management	HTMN6145021	Revenue Management in Hospitality	2	4
38	Hotel Management	HTMN6027021	Service Management	4	4
39	Hotel Management	MGMT6304021	Organization Behavior in Hospitality	2	5
40	Hotel Management	HTMN6145021	Revenue Management in Hospitality	2	5
41	Hotel Management	HTMN6027021	Service Management	4	5
42	Global Business Marketing	MKTG6321005	Marketing Data Analytics	4	4
43	Global Business Marketing	MKTG6321005	Marketing Data Analytics	4	5
44	Global Business Marketing	MKTG6322005	Sales and Customer Relationship Management	4	4
45	Global Business Marketing	MKTG6322005	Sales and Customer Relationship Management	4	5
46	Global Business Marketing	MKTG6237005	Global Strategic Marketing : Asia Pasific Perspective	4	4
47	Global Business Marketing	MKTG6237005	Global Strategic Marketing : Asia Pasific Perspective	4	5
48	Global Business Marketing	MKTG6270005	Retail and Omni Channel	2	4
49	Global Business Marketing	MKTG6270005	Retail and Omni Channel	2	5
50	Global Business Marketing	MKTG6631005	Marketing Research	3/1	4
51	Global Business Marketing	MGMT6358005	Managing Business Information	2/2	4
52	Global Business Marketing	MGMT6358005	Managing Business Information	2/2	5
53	Game Application and Technology	GAME6085001	Object Oriented Game Programming	2	5
54	Film	FILM6080009	Southeast Asian Cinema & Popular Culture	4	4
55	Film	FILM6059009	Global Cinema	4	5
56	Creative Digital English	ENGL6260024	Text Analysis for Paper Writing	4	4
57	Creative Digital English	EDUC8003024	English for Specific Purposes: Second Language Learning	2	4
58	Creative Digital English	ENGL6260024	Text Analysis for Paper Writing	4	5
59	Creative Digital English	EDUC8003024	English for Specific Purposes: Second Language Learning	2	5
60	Data Science	DTSC6013001	Data Mining and Visualization	2	4
61	Data Science	DTSC6014001	Machine Learning	2	5

No	Course Owner Department	Course Code	Course Name	SCU	Semester
62	Cyber Security	COMP6549001	Software Security	2	4
63	Cyber Security	COMP6542001	Computer Security Fundamental	2	5
64	Computer Science	COMP7128001	Game Design	2	4
65	Computer Science	COMP6590001	Geographical Information System	2/2	5
66	Computer Engineering	CPEN6126010	Cross Platform Application Development	4	5
67	Computer Engineering	CPEN6232010	Cloud Technology Practice	2	5
68	Computer Engineering	CPEN6236010	PLC Programming for Industrial Automation	2	5
69	Civil Engineering	COMP6046013	Computer Applications in Construction Management	2	5
70	Business Management	MGMT6455005	Servitization and Customer Experience Management	2	4
71	Business Management	MGMT6456005	Fundamentals of Supply Chain Management	4	4
72	Business Management	MGMT6556005	Technology Management in Supply Chain and Service	2	4
73	Business Management	MGMT6365005	Current Issue in Service Business and Technology	2	4
74	Business Management	MGMT6400005	Supply Chain Strategy	2	5
75	Business Management	MGMT6459005	Retail Management	4	5
76	Business Management	MGMT6460005	Retail Supply Chain Management	2	5
77	Business Law	LAWS6159005	Legal Aspect in Business	2	5
78	Business Law	LAWS6017028	Intellectual Property Rights	4	5
79	Business Law	LAWS6110028	Cyber Law	2	5
80	Business Law	LAWS6052028	Bankruptcy Law	2	5
81	Business Law	LAWS6176028	Tax Law	2	5
82	Japanese Popular Culture	JAPN6150025	Ideas and Images of Japanese Culture (Nihon Bunka Aidea to Imeeji)	2	4
83	Japanese Popular Culture	JAPN6173025	Contemporary Japanese Society Through Various Perspective (Nihon Shakai e no Kangaekata)	2	4
84	Japanese Popular Culture	JAPN6150025	Ideas and Images of Japanese Culture (Nihon Bunka Aidea to Imeeji)	2	5
85	Japanese Popular Culture	JAPN6173025	Contemporary Japanese Society Through Various Perspective (Nihon Shakai e no Kangaekata)	2	5
86	Business Information Technology	ISYS6574003	Information Retrieval	4	4
87	Business Information Technology	ISYS6823003	Machine Learning and Foundations	4	4
88	Business Information Technology	ISYS6606003	Smart Application	2	4
89	Business Information Technology	ISYS6579003	Knowledge-Based AI: Cognitive Systems	4	5
90	Business Creation	ENPR6104005	Digital Marketing and Analytics	4	4

No	Course Owner Department	Course Code	Course Name	SCU	Semester
91	Business Creation	ENPR6142005	Digital Business Transformation	4	5
92	Business Creation	ENPR6107005	Business Communication & Strategy	4	5
93	Animation	DSGN6689007	Concept Art & Production Design	2	5
94	Animation	DSGN6690007	Animation Storytelling	2	5
95	Accounting	ACCT6116020	Social and Environmental Accounting	2	4
96	Accounting	ACCT6461020	Accounting Syariah	2	4
97	Accounting	ACCT6462020	Audit Psychology	2	4
98	Accounting	ACCT6461020	Accounting Syariah	2	5
99	Accounting	ACCT6462020	Audit Psychology	2	5
100	Fashion	FASH6180040	Fashion Trend Forecasting	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 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				

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

Description:

IN : Company Internship
RS : Research Fellowship
EN : Entrepreneurship
CD : Community Impact Internship
SA : Study Abroad
IS : Specific Independent Study
FS : Fast Track
etc : Study Program Special Purposes

Note:
Student can choose one of the existing tracks.

Company Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			20
ISYS6215003	Experience in Industry	8	
ISYS6844003	Requirement and Solution for Information Systems	8	
COMM6703003	Business & Professional Communication	4	
Enrichment Program II			20
ISYS6347003	Professional Program in Industry	8	
ISYS6845003	Design and Evaluation for Information Systems	8	
BUSS6249003	Business Ethic and Social Responsibility	4	
Enrichment Program II *(For students who only take Certified Internship track in semester 7, should take these courses:)*			20
ISYS6215003	Experience in Industry	8	
ISYS6844003	Requirement and Solution for Information Systems	8	
COMM6703003	Business and Professional Communication	4	

Research Fellowship Track

Code	Course Name	SCU	Total
Enrichment Program I			20
RSCH6275003	Research Experience	8	
RSCH6510003	Scientific Writing in Information Systems Research	8	
RSCH6460003	EES in Information Systems Research	4	

Code	Course Name	SCU	Total
Enrichment Program II			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	
Enrichment Program II *(For students who only take Certified Research track in semester 7, should take these courses:)*			20
RSCH6275003	Research Experience	8	
RSCH6510003	Scientific Writing in Information Systems Research	8	
RSCH6460003	EES in Information Systems Research	4	

Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			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	
Enrichment Program II			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	
Enrichment Program II *(For students who only take Certified Entrepreneurship track in semester 7, should take these courses:)*			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	

Community Impact Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			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	
Enrichment Program II			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	

Code	Course Name	SCU	Total
Enrichment Program II *(For students who only take Certified Community Development track in semester 7, should take these courses:)*			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	

Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			20
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	
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.*

Specific Independent Study

Code	Course Name	SCU	Total
Elective courses list for Specific Independent Study*			20
Enrichment Program I/II			
CSIS6001003	Course Certification	3	
CSIS6002003	Technical Skill Enrichment	4	
CSIS6003003	Industrial Project	9	
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	

Code	Course Name	SCU	Total
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 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 Specific Independent Study outside BINUS University. Transferred courses will be transferred based on credit transfer policies on study program with total of 20 credits.*

Fast Track

Code	Course Name	SCU	Total
Enrichment Program II (Master of Management Information Systems: Information Systems Strategic Management Stream)			
ISYS6829003	Digital Technology and Transformation	4	20
ISYS6830003	Data Analytics for Business	6	
ISYS6831003	Applied Technology in Information Systems*	4	
ISYS6849003	Strategic Planning for Information Systems	6	

Code	Course Name	SCU	Total
Enrichment Program II (Master of Management Information Systems: Digitalpreneurship Stream)			
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	

**) 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: Pancasila	B
2.	ISYS6901003	Enterprise Business Process*	C
3.	ISYS6892003	Database Fundamental*	C
4.	ISYS6893003	Information Systems Analysis and Design*	C
5.	INFS6068003	Data and Information Management	C
6.	ISYS6256003	Information Systems Project Management	C
7.	ENPR6312001	Venture Creation	C
8.	ISYS6899003	Minor Project in Information Systems	C

*) Tutorial