

## **Information Systems & Accounting**

### **Introduction**

With increased levels of globalization, business is becoming more competitive. Consequently, the business professional should be able to access reliable and accurate information, particularly in the financial market in order to remain competitive. Thus, an understanding of Information Systems and Accounting becomes one of the significant requirements in the global era. Therefore, it also drives accountants to master in Information Technology. In this respect, BINA NUSANTARA UNIVERSITY offers a double degree program, Information Systems and Accounting which is a combination of the Accounting program and Information Systems program. This combined program of study has achieved accreditation from the National Accreditation Board for Highly Educational Institutions of Ministry of Research, Technology and Higher Education of the Republic of Indonesia.

### **Vision**

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

### **Mission**

The mission of Information System and Accounting Program are to:

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

### **Program Objective**

The objectives of the program are to:

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

### **Student Outcomes**

After completing the study, graduates are:

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

2. Able to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Able to communicate effectively in a variety of professional contexts.
4. Able to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Able to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Able to support the delivery, use, and management of information systems within an information systems environment.
7. Able to interpret the entity's financial statements by applying accounting principles to transactions in accordance with the IFRS converged Financial Accounting Standards and the prevailing ETAP financial accounting standards.
8. Able to analyze performance reporting according to accounting principles as the basis for planning, controlling and decision-making by entity management to increase the effectiveness of organizational performance.
9. Able to carry out the audit process and use of accounting information systems for auditing financial statements according to Generally Accepted Auditing Standards (GAAS) and International Standards on Auditing (ISA).
10. Able to apply tax obligations for the Monthly Taxes and Annual Taxes in accordance with the tax regulations in Indonesia.
11. Able to identify the requirements, designing and implementing accounting information systems for organizations.
12. Able to apply interdisciplinary knowledge and skills in developing alternative solutions for problem-solving.

### **Prospective career of the Graduates**

Graduates of this double study program will master both Information Systems and Accounting. Therefore, graduates will be able to develop their career in any company including services, commerce, and manufacturing companies as well as financial institutions. The professions that graduates can get are management accountants, auditors, finance and management consultants, and information systems specialists in the field of corporate information systems, database and digital business, program analysts, systems support consultants, systems designer, database administrators, and IT/IS consultants.

### **Curriculum**

The Accounting and IS double degree is a unique program, where students will learn two different majors in a short period of time. It requires 182 credits consist of information systems courses and Accounting Courses. The curriculum is designed to learn an advanced IT finance and system analysis, as a result, Graduates would be able to construct an information technology budget and portfolio for an enterprise, assess information technology investment performance, as well as able to analyze the Business Process Requirements, Corporate Financial Information Systems and propose an effective financial business process. The successful candidate will get a double degree, which is S.Kom. and S.Ak.

**Course Structure**

Sem	Code	Course Name	SCU	Total
1	ACCT6300003	Introduction to Accounting* (AOL)	4/2	20
	COMP6178003	Introduction to Programming	2/2	
	ISYS6186003	Business Process Fundamental** (AOL)	4	
	ISYS6093003	Information System Concept*&**	4	
	ECON6017003	Economic Theory	2	
	<b>Foreign Language Courses</b>			
2	CHAR6013003	Character Building: Pancasila	2	20
	ISYS6126003	Enterprise System*&** (AOL)	4	
	BUSS6131003	Ethics & Corporate Governance	2	
	TAXN6051003	Introduction to Taxation	2	
	MGMT6011003	Introduction to Management and Business (AOL)	4	
	ISYS6338003	Testing and System Implementation*&** (AOL)	2	
	LANG6027003	Indonesian	2	
	ENTR6509001	Entrepreneurship: Ideation	2	
	<b>Foreign Language Courses</b>			
3	CHAR6014003	Character Building: Kewarganegaraan	2	24
	ACCT6410003	Cost Accounting**	3	
	ISYS6677003	Information Systems Analysis and Design**&*** (AOL)	5/2	
	ISYS6123003	Introduction to Database Systems*&** (AOL)	2/2	
	TAXN6052003	Advanced Taxation (AOL)	2	
	ISYS6596003	User Experience Research and Design** (AOL)	4/2	
	<b>Foreign Language Courses</b>			
4	CHAR6015003	Character Building: Agama	2	24
	ACCT7141003	Accounting Information System and Internal Control (AOL)	2/2	
	ACCT6411003	Managerial Accounting*&** (AOL)	3	
	ISYS6197003	Business Application Development (AOL)	2/2	
	ISYS6198003	Data and Information Management** (AOL)	4	
	ACCT6416003	Financial Accounting I*&** (AOL)	3	
	FINC6201003	Financial Management (AOL)	4	
	<b>Foreign Language Courses</b>			
5	ACCT6417003	Financial Accounting II*&**	3	24
	ISYS6538003	Advanced in Business Application Development (AOL)	4/2	
	ACCT6412003	Accounting Theory	2	
	STAT6205003	Introduction to Statistical Programming	2	
	ISYS6478003	Research Methods in Information Systems	2	
	ISYS6746003	Information System Audit Fundamental (AOL)	2	
	ISYS6676003	Advanced Information System Analysis and Design*** (AOL)	5/2	
6	ACCT6413003	Financial Audit*&** (AOL)	4	24
	ISYS6256003	Information Systems Project Management** (AOL)	4	

Sem	Code	Course Name	SCU	Total
	ACCT6450003	IT Cost Management (AOL)	2	
	ISYS6211003	Web Based Application Development (AOL)	2/2	
	ISYS6674003	Knowledge Management*&**	2	
	ISYS6675003	Information Technology Infrastructure	2	
	ENTR6511001	Entrepreneurship: Market Validation	2	
	<b>Free Electives</b>		4	
7	<b>Enrichment Program I</b>		20	20
8	<b>Enrichment Program II</b>		20	20
9	ISYS6639003	Pre-Thesis	2	6
	ISYS6640003	Thesis	4	
	ACCT6052003	Thesis	6	
<b>TOTAL CREDITS 182 Credits</b>				

\*) This course is delivered in English

\*\*) Global Learning System Course

\*\*\*) Entrepreneurship Embedded

-) (AOL) - Assurance of Learning Process System

#### Free Electives:

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

#### Foreign Language Courses:

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

**Pre-thesis (2 SCU) & Thesis (4 SCU)** can be taken in the 7<sup>th</sup> and/or 8<sup>th</sup> 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

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 and choose Basic Japanese Language or Basic Chinese Language.
4. Students are required to pass the foreign language courses before they take enrichment.
5. Students can see the requirements to pass the foreign language courses at BINUSMAYA – Beelingua.

### Appendix: Free Electives (6<sup>th</sup> Semester)

Because free electives will be implemented on the 6<sup>th</sup> semester data will be collected in 2023

**Enrichment Program (7<sup>th</sup> & 8<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 7							Semester 8						
	IN	RS	EN	CD	SA	IS	etc	IN	RS	EN	CD	SA	IS	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
26						v		v						
27						v			v					
28						v				v				
29						v						v		
30							v							v
31								v	v					
32										v				
33											v			
34												v		
35													v	
36														v

**Note:**

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

**Description:**

Student will take one of enrichment program tracks

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

**Certified Internship Track**

Code	Course Name	SCU	Total
<b>Enrichment Program I</b>			20
ISYS6807003	Experience in Accounting & Information Systems Industry	8	
ISYS6630003	Applied Topics in Accounting & Information Systems	8	
BUSS6208003	Information Systems and Business Ethics	4	
<b>Enrichment Program II</b>			20
ISYS6808003	Professional in Accounting & Information Systems Industry	8	
ISYS6809003	Accounting & Information Systems Project Development	8	
BUSS6244003	EES in Accounting & Information Systems Industry	4	

**Certified Entrepreneurship Track**

Code	Course Name	SCU	Total
<b>Enrichment Program I</b>			20
ENPR6227003	New Venture Initiation in Accounting & Information Systems	8	
ENPR6228003	Product Development Process for Accounting & Information Systems	8	
ENPR6229003	EES in New Accounting & Information Systems Industry	4	
<b>Enrichment Program II</b>			20
ENPR6230003	Product Launching in Accounting & Information Systems	8	
ENPR6231003	Business Development Process for Accounting & Information Systems	8	
ENPR6232003	EES in Accounting & Information Systems Experience	4	

**Certified Research Track**

Code	Course Name	SCU	Total
<b>Enrichment Program I</b>			20
RSCH6221003	Research Experience	8	
RSCH6712003	Proposal Writing in Accounting & Information Systems Research	8	
RSCH6577003	Information Systems for Global Employability and Entrepreneurial Skills	4	
<b>Enrichment Program II</b>			20
RSCH6713003	Research Experience in Accounting & Information Systems	8	
RSCH6714003	Scientific Writing in Accounting & Information Systems	8	
RSCH6715003	Accounting & Information Systems Development for Global Employability and Entrepreneurial Skills	4	

**Certified Community Development Track**

Code	Course Name	SCU	Total
<b>Enrichment Program I</b>			20
CMDV6121003	Community Outreach Project Implementation	8	

Code	Course Name	SCU	Total
CMDV6470003	Community Outreach Project Design in Accounting & Information Systems	8	
CMDV6471003	EES in Accounting & Information Systems	4	
<b>Enrichment Program II</b>			
CMDV6472003	Community Development Project Implementation	8	20
CMDV6473003	Community Development Project Design Accounting & Information Systems	8	
CMDV6474003	EES in Accounting & Information Systems Development	4	

**Certified Study Abroad Track**

Code	Course Name	SCU	Total
<b>Elective courses list for study abroad*</b>			
<b>Enrichment Program I</b>			
GLOB6005003	Elective Course for Study Abroad 1	4	20
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	
<b>Enrichment Program II</b>			
GLOB6017003	Elective Course for Study Abroad 13	4	20
GLOB6018003	Elective Course for Study Abroad 14	4	
GLOB6019003	Elective Course for Study Abroad 15	4	
GLOB6020003	Elective Course for Study Abroad 16	4	
GLOB6021003	Elective Course for Study Abroad 17	2	
GLOB6022003	Elective Course for Study Abroad 18	2	
GLOB6023003	Elective Course for Study Abroad 19	2	
GLOB6024003	Elective Course for Study Abroad 20	2	
GLOB6025003	Elective Course for Study Abroad 21	2	
GLOB6026003	Elective Course for Study Abroad 22	2	
GLOB6027003	Elective Course for Study Abroad 23	2	
GLOB6028003	Elective Course for Study Abroad 24	2	
GLOB6253003	Elective Course for Study Abroad 31	4	

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

**Certified Specific Independent Study**

Code	Course Name	SCU	Total
<b>Elective courses list for certified specific independent study*</b>			
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	
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	20
CSIS6019003	Elective Course for Specific Independent Study 15	3	
CSIS6020003	Elective Course for Specific Independent Study 16	3	
CSIS6021003	Elective Course for Specific Independent Study 17	3	
CSIS6022003	Elective Course for Specific Independent Study 18	3	
CSIS6023003	Elective Course for Specific Independent Study 19	3	
CSIS6024003	Elective Course for Specific Independent Study 20	3	
CSIS6025003	Elective Course for Specific Independent Study 21	2	
CSIS6026003	Elective Course for Specific Independent Study 22	2	
CSIS6027003	Elective Course for Specific Independent Study 23	2	
CSIS6028003	Elective Course for Specific Independent Study 24	2	
CSIS6029003	Elective Course for Specific Independent Study 25	2	
CSIS6030003	Elective Course for Specific Independent Study 26	2	
CSIS6031003	Elective Course for Specific Independent Study 27	2	
CSIS6032003	Elective Course for Specific Independent Study 28	2	
CSIS6033003	Elective Course for Specific Independent Study 29	1	
CSIS6034003	Elective Course for Specific Independent Study 30	1	
CSIS6035003	Elective Course for Specific Independent Study 31	1	
CSIS6036003	Elective Course for Specific Independent Study 32	1	

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



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

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013003	Character Building: <i>Pancasila</i>	B
2.	ENTR6511001	Entrepreneurship: Market Validation	C
3.	TAXN6052003	Advanced Taxation*	C
4.	ACCT6411003	Managerial Accounting*	C
5.	ACCT6416003	Financial Accounting I*	C
6.	ACCT6413003	Financial Audit	C
7.	FINC6201003	Financial Management	C
8.	ISYS6677003	Information Systems Analysis and Design*	C
9.	ISYS6126003	Enterprise System*	C
10.	ISYS6198003	Data and Information Management*	C
11.	ISYS6256003	Information Systems Project Management	C
12.	ISYS6746003	Information System Audit Fundamental	C
13.	ACCT6450003	IT Cost Management*	C
14.	ISYS6211003	Web Based Application Development	C

\*) Tutorial & Multipaper

