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 information system study program specialized in IT-business, recognized internationally, and champions innovation for fostering and empowering the society.

Mission

The mission of Information System and Accounting Program 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;

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	CHAR6013003	Character Building: Pancasila	2	20
	LANG6027003	Indonesian	2	
	BUSS6131003	Ethics & Corporate Governance[1]	2	
	ACCT6300003	Introduction to Accounting[1] - **(AOL)**	4/2	
	MGMT6011003	Introduction to Management and Business[1] - **(AOL)**	4	
	ISYS6896003	Information Systems Management, Strategy and Acquisition[1]	4	
	Foreign Language Courses		0	
2	COSC6011003	Foundations of Artificial Intelligence	2	20
	TAXN6051003	Introduction to Taxation[2]	2	
	ECON6017003	Economic Theory	2	
	ISYS6596003	User Experience Research and Design[2] - **(AOL)**	4/2	
	ISYS6901003	Enterprise Business Process[2] - **(AOL)**	4	
	ISYS6898003	Algorithm and Programming - **(AOL)**	2/2	
	Foreign Language Courses		0	
3	CHAR6014003	Character Building: Kewarganegaraan	2	24
	TAXN6052003	Advanced Taxation[2] - **(AOL)**	2	
	ISYS6893003	Information Systems Analysis and Design[2] - **(AOL)**	4/2	
	ISYS6892003	Database Fundamental[1&2] - **(AOL)**	4/2	
	ISYS6900003	IT Governance & Security[2]	4	
	FINC6201003	Financial Management[2] - **(AOL)**	4	
	Foreign Language Courses		0	
4	CHAR6015003	Character Building: Agama	2	24
	ACCT7141003	Accounting Information System and Internal Control[1] - **(AOL)**	2/2	
	COSC6050003	Programming for Business	2/2	
	ISYS6198003	Data and Information Management[2] - **(AOL & AIE)**	4	
	ISYS6902003	Research Methods in Information Systems - **(AIE)**	4	
	ACCT6450003	IT Cost Management - **(AOL)**	2	
	ISYS6256003	Information Systems Project Management[1&2] - **(AOL)**	4	
	Foreign Language Courses		0	
5	ENTR6510001	Entrepreneurship: Prototyping	2	24
	ACCT6410003	Cost Accounting[1&2] - **(AIE)**	3	
	ACCT6416003	Financial Accounting I[1&2] - **(AOL)**	3	
	ISYS6894003	IT Infrastructure & Emerging Technology	4	
	ISYS6895003	Data Modelling	2/2	
	ISYS6937003	Information System Audit Fundamental - **(AOL)**	4	
	Free Electives		4	
6	ENTR6511001	Entrepreneurship: Market Validation	2	22
	ACCT6413003	Financial Audit[1&2] - **(AOL & AIE)**	4	
	ACCT6524003	ERP Financial Accounting & Controlling	4	

Sem	Code	Course Name	SCU	Total
	ACCT6417003	Financial Accounting II[1&2] - **(AIE)**	3	
	ACCT6411003	Managerial Accounting[1&2] - **(AOL & AIE)**	3	
	ISYS6897003	Digital Innovation - **(AOL)**	2	
	ISYS6338003	Testing and System Implementation [1] - **(AOL)**	2	
	ISYS6899003	Minor Project in Information Systems - **(AOL & AIE)**	4	
7	**Enrichment Program I**		20	20
8	**Enrichment Program II**		20	20
9	ISYS6639003	Pre-Thesis	2	6
	ISYS6640003	Thesis	4	
	ISYS6938003	Thesis	6	
			TOTAL CREDITS 182 Credits	

1) This course is delivered in English
2) Global Learning System course

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

Free Electives:
-) For 5th 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.

Appendix: Free Electives (5th Semester)

Students will receive information about Free Electives during the registration period.

Enrichment Program (7th & 8th Semester):

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

Enrichment Track Scheme

Track	Semester 7							Semester 8						
	IN	RS	EN	CD	SA	IS	etc	IN	RS	EN	CD	SA	IS	etc
1	v							v						
2	v								v					
3			v							v				
4	v										v			
5	v											v		
6	v												v	
7	v													v
8		v						v						
9		v							v					
10		v									v			
11		v										v		
12		v											v	
13		v												v
14				v				v						
15				v					v					
16				v							v			
17				v								v		
18				v									v	
19				v										v
20				v				v						
21				v					v					
22				v							v			
23				v								v		
24				v									v	
25				v										v
26					v			v						
27					v				v					
28					v						v			
29					v							v		
30					v									v
31							v	v						
32							v		v					
33							v				v			
34							v					v		
35							v						v	
36							v							v

Description:

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		

Note:

Student can choose one of the existing tracks.

Certified Internship Track

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

Certified Research Track

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

Certified Entrepreneurship Track

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

Certified Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6121003	Community Outreach Project Implementation	8	20
CMDV6470003	Community Outreach Project Design in Accounting & Information Systems	8	
CMDV6471003	EES in Accounting & Information Systems	4	
Enrichment Program II			
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
Elective courses list for study abroad*			
Enrichment Program I			
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	
Enrichment Program II			
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	

Code	Course Name	SCU	Total
GLOB6028003	Elective Course for Study Abroad 24	2	
GLOB6253003	Elective Course for Study Abroad 31	4	

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

Certified Specific Independent Study

Code	Course Name	SCU	Total
Elective courses list for certified specific independent study*			
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	
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	20
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	

Code	Course Name	SCU	Total
CSIS6035003	Elective Course for Specific Independent Study 31	1	
CSIS6036003	Elective Course for Specific Independent Study 32	1	

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

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

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013003	Character Building : Pancasila	B
2.	ISYS6901003	Enterprise Business Process*	C
3.	TAXN6052003	Advanced Taxation*	C
4.	FINC6201003	Financial Management	C
5.	ISYS6892003	Database Fundamental*	C
6.	ISYS6893003	Information Systems Analysis and Design*	C
7.	ISYS6198003	Data and Information Management	C
8.	ISYS6256003	Information Systems Project Management	C
9.	ACCT6450003	IT Cost Management*	C
10.	ACCT6416003	Financial Accounting I*	C
11.	ISYS6899003	Minor Project in Information Systems	C
12.	ACCT6413003	Financial Audit	C
13.	ACCT6411003	Managerial Accounting*	C
14.	ENTR6511001	Entrepreneurship: Market Validation	C

*) Tutorial