Information Systems Accounting and Auditing

Introduction

Information Systems / Information Technology (IS/IT) is essential to manage transactions, information, and knowledge necessary to initiate and sustain economic and social activities. These activities increasingly rely on globally cooperating entities to be successful. In many organizations, IS/IT is fundamental to support, sustain and grow the business. While many organizations recognize the potential benefits that technology can yield, the successful ones also understand and manage the risks associated with implementing new technologies. Another growing industry supported by technology is Financial, in a form of application, Financial Technology penetration broadly spread to the society. To understand more about Financial Technology environment, the knowledge about finance management, policy, financial services in certain area are some of the concerns to be prepared.

Therefore, in many organizations especially in IT-dependent company such as banking, telecommunication and oil and gas as internal Information System (IS) Auditor, the demand of Information System Auditor is growing every year. Instead, by also understanding about Financial Technology environment, the information systems designer is becoming the most wanted profession in this digitalize world. Related with this opportunity, BINUS UNIVERSITY offering Information Systems Accounting & Auditing Program to fulfill the demand of IS Auditor and Financial Technology Specialist to prepare knowledgeable fresh graduate in that area.

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 Systems Accounting & Auditing 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.

Prospective Career of the Graduates

After graduating from Information Systems Accounting and Auditing Program, students can have career as:

1. Internal IS/IT Auditor,
2. IS Security Consultant,
3. IS Risk Management and Assurance Advisor,
4. Forensic Analyst,
5. External IS/IT Auditor,
6. Systems Analyst,
7. Systems Designer,Blockchain Developer,
8. Financial or Business Analysts,
9. Compliance Expert,
10. Product Manager,
11. Cybersecurity Analyst,
12. Business Process Analyst,
13. Business Start Up Leader.

Curriculum

Information Systems Accounting & Auditing curriculum has developed according to ACM–Information Systems Curriculum combined with ISACA Model Curriculum for IS Audit and Control. According to ISACA Model Curriculum for IS audit and control, the topics covered by model area consist of five content domains which are the Information Security Governance, Information Risk Management, Information Security Program Development, Information Security Program Management, Information Management and Response Domain.

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	

Sem	Code	Course Name	SCU	Total
	Foreign Language Courses		0	
3	CHAR6015003	Character Building: Agama	2	20
	LANG6027003	Indonesian	2	
	ISYS6198003	Data and Information Management[2] - **(AOL & AIE)**	4	
	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	ENTR6510001	Entrepreneurship: Prototyping	2	22
	ISYS6895003	Data Modelling	2/2	
	ISYS6256003	Information Systems Project Management[1&2] - **(AOL)**	4	
	ISYS6902003	Research Methods in Information Systems - **(AIE)**	4	
	ISYS6607003	Digital & Corporate Banking Blockchain[1&2]	2	
	ISYS6341003	Information Systems Audit[2]	4	
	ISYS6665003	Governance and Management of Information Technology[1]	2	
	Foreign Language Courses		0	
5	ENTR6511001	Entrepreneurship: Market Validation	2	18
	ISYS6899003	Minor Project in Information Systems - **(AOL & AIE)**	4	
	ISYS6608003	IT Service & Risk Management[1&2]	2	
	ISYS6591003	Digital Forensic Analysis and Reporting[2]	2	
	ISYS6592003	Analytics in Financial Services[2]	2	
	ISYS6524003	Financial Technology	4	
	ISYS6585003	Accounting Management	2	
6	**Enrichment Program I**		20	20
7	**Enrichment Program II**		20	20
8	ISYS6618003	Pre-Thesis	2	6
	ISYS6629003	Thesis	4	
	ISYS6018003	Thesis	6	
			TOTAL CREDITS 146 Credits	

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

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

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.

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		

Description:

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
Note:
Student can choose one of the existing tracks.

Certified Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ISYS6581003	Industrial Experience	8	20
ISYS6846003	Applied Topics in Information Systems Accounting & Auditing	8	
COMM6704003	Business Communication	4	
Enrichment Program II			
ISYS6583003	Professional Experience	8	20
ISYS6847003	Advanced Topics in Information Systems Accounting & Auditing	8	
BUSS6250003	Business Ethic	4	

Certified Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6470003	Research Experience	8	20
RSCH6512003	Scientific Writing in Information Systems Research	8	
RSCH6472003	EES in Information Systems Research	4	
Enrichment Program II			
RSCH6473003	Information Systems Research Experience	8	20
RSCH6513003	Scientific Writing in Information Systems	8	
RSCH6475003	Global Employability and Entrepreneurial Skills in Information Systems Research	4	

Certified Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENTR6954003	New Venture Initiation in Information Systems Accounting & Auditing	8	20
ENTR6598003	Product Development Process for Information Systems Accounting & Auditing Project	8	
ENTR6955003	EES in New Information Systems Business I	4	
Enrichment Program II			
ENTR6956003	Product launching Information Systems Accounting & Auditing	8	20
ENTR6599003	Business Development for Information Technology Business in Accounting & Auditing	8	
ENTR6957003	EES in New Information Systems Business II	4	

Certified Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6266003	Community Outreach Project Implementation	8	20
CMDV6291003	Community Outreach IS Accounting & Auditing Project Design	8	
CMDV6268003	Employability and Entrepreneurial Skills in Information Systems Community	4	
Enrichment Program II			
CMDV6269003	Community Development Project Implementation	8	20
CMDV6292003	Community Development IS Accounting & Auditing Project Design	8	
CMDV6271003	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*			
Enrichment Program I/II			
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

Students will receive information about Further Study Track courses during the registration period.

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.	ISYS6198003	Data and Information Management	C
6.	ISYS6256003	Information Systems Project Management	C
7.	ENTR6511001	Entrepreneurship: Market Validation	C
8.	ISYS6899003	Minor Project in Information Systems	C

*) Tutorial