

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 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 Systems Accounting & Auditing 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. Equip students with the expertise and solid basic knowledge about system development that will be needed as a professional in the field of information systems, as well as increasing the skills and knowledge of educators in the information systems field;
2. Preparing students with proficiency and in-depth knowledge of innovative information systems related to IT-Business Innovation;

3. Equip students with the ability to use knowledge of applied business applications for specific industrial purposes;
4. Equip the community with expertise and knowledge through the use of information system solutions;
5. Provide education to the public regarding the use and application of information systems.

Student Outcomes

After completing the study, graduates are:

1. Able to analyze a complex computing problem and 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, | 8. Blockchain Developer, |
| 2. IS Security Consultant, | 9. Financial or Business Analysts, |
| 3. IS Risk Management and Assurance Advisor, | 10. Compliance Expert, |
| 4. Forensic Analyst, | 11. Product Manager, |
| 5. External IS/IT Auditor, | 12. Cybersecurity Analyst, |
| 6. Systems Analyst, | 13. Business Process Analyst, |
| 7. Systems Designer, | 14. 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	ACCT6133	Introduction to Financial Accounting	4	20	
	ISYS6186	Business Process Fundamental*&**	4		
	ISYS6093	Information System Concept*&**	4		
	COMP6178	Introduction to Programming	2/2		
	LANG6027	Indonesian	2		
	English University Courses I				
	ENGL6128	English in Focus	2		
ENGL6130	English for Business Presentation	2			
2	ISYS6123	Introduction to Database Systems*&**	2/2	20	
	ISYS6126	Enterprise System*&**	4		
	ISYS6338	Testing and System Implementation*&**	2		
	ISYS6596	User Experience Research and Design*&**	4/2		
	ENTR6509	Entrepreneurship: Ideation	2		
	English University Courses II				
	ENGL6129	English Savvy	2		
ENGL6131	English for Written Business Communication	2			
3	CHAR6013	Character Building: <i>Pancasila</i>	2	22	
	ISYS6197	Business Application Development	2/2		
	ISYS6535	Information Systems Analysis and Design**&***	4/2		
	ISYS6256	Information Systems Project Management*&**	4		
	ISYS6478	Research Methods in Information Systems	2		
	ISYS6198	Data and Information Management**	4		
4	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2	18	
	ISYS6542	Advanced Information System Analysis and Design**&***	4/2		
	ISYS6585	Accounting Management	2		
	ISYS6607	Digital & Corporate Banking Blockchain*&**	2		
	ISYS6341	Information Systems Audit**	4		
	ISYS6665	Governance and Management of Information Technology*	2		
5	CHAR6015	Character Building: <i>Agama</i>	2	20	
	ENTR6511	Entrepreneurship: Market Validation	2		
	ISYS6538	Advanced in Business Application Development**	4/2		
	ISYS6608	IT Service & Risk Management*&**	2		
	ISYS6591	Digital Forensic Analysis and Reporting**	2		
	ISYS6592	Analytics in Financial Services**	2		
	Free Electives				4
6	Enrichment Program I		20	20	
7	Enrichment Program II		20	20	
8	ISYS6618	Pre-Thesis	2	6	
	ISYS6629	Thesis	4		
TOTAL CREDITS 146 Credits					

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, students with Binus University English Proficiency Test score less than 500 will take English in Focus, and student with test score greater than or equal to 500 will take English for Business Presentation.
-) For 2nd Semester: English University Courses II, students with Binus University English Proficiency Test score less than 500 will take English Savvy, and students with test score greater than or equal to 500 will take English for Written Business Communication.
-) Students should pass English Savvy with a minimum Grade is C

Appendix: Free Electives (5th Semester)

No	Course Owner Department	Course Code	Course Name	SCU	Semester
1	Business Creation	ENTR6494	Managing Growing Business	2	5
2	Business Management	MGMT6365	Current Issue in Service Business and Technology	2	5
3	International Business Management	BUSS7009	Export-Import Cost Management	2	5
4	International Business Management	MGMT7169	Global Supply Chain Management	2	5
5	Management	BUSS6194	Business Negotiation Strategy	2	5
6	Management	MGMT6145	Compensation and Performance Management	2	5
7	Management	MGMT6341	Strategic Management	4	5
8	Marketing Communication	COMM6523	Corporate Event Management	2/2	5
9	Marketing Communication	COMM6538	Media Promotion & Marketing in Creative Broadcasting	2	5
10	Marketing Communication	COMM6541	Digital Corporate Communication	2/2	5
11	Marketing Communication	COMM6542	Event Management for Brand	2/2	5
12	Marketing Communication	COMM6543	Digital Brand Communicaton	2/2	5
13	Tourism	TRSM6141	Tourism Destination and Planning Management	4	5
14	Tourism	TRSM6191	Tourism Innovation and Product Development	4	5
15	Architecture	ARCH6047	Behavior in Architecture	2	5
16	Architecture	ARCH6129	Urban Housing	4	5
17	Architecture	ARCH6130	Architecture & Social Culture	4	5
18	Civil Engineering	CIVL6009	Urban Drainage	2	5
19	Civil Engineering	CIVL6025	Hydrology	2	5
20	Civil Engineering	CIVL6035	Airport Engineering	2	5
21	Civil Engineering	CIVL6080	Construction Methods & Heavy Equipment	2	5
22	Civil Engineering	CIVL8056	Bridge Engineering	2	5
23	Civil Engineering	COMP6046	Computer Applications in Construction Management	2	5
24	Computer Engineering	CPEN6098	Computer Networks	2/2	5

No	Course Owner Department	Course Code	Course Name	SCU	Semester
25	Computer Engineering	CPEN6126	Cross Platform Application Development	4	5
26	Computer Engineering	CPEN6225	Telco Network & Switching System	2	5
27	Food Tech	FOOD6062	Food Quality Assurance System	2/1	5
28	Food Tech	FOOD6063	Food Safety & Sanitation	2/1	5
29	Industrial Engineering	ISYE6115	Transportation Modeling	2	5
30	Business Law	LAWS6052	Bankruptcy Law	2	5
31	Business Law	LAWS6056	Legal Research Methods	2	5
32	Business Law	LAWS6174	Contract & Legislative Drafting	2	5
33	Business Law	LAWS6176	Tax Law	2	5
34	Chinese Literature	CHIN6106	Character Writing	2	5
35	English Literature	ENGL6158	Writing for Children and Young Adults	2	5
36	International Relations	INTR6152	Regional Integration in America	2	5
37	International Relations	INTR6162	Multiculturalism and Digital Society	2	5
38	International Relations	INTR6169	International Migration: Governance and Rights	2	5
39	Japanese Literature	JAPN6116	Japanese Corporate Culture and Management (Nihon No Kigyō Bunka to Manejimento)	2	5
40	Primary Teacher Education	EDUC6032	Art & Craft	2	5
41	Psychology	PSYC6123	Educational Psychology	2	5
42	Psychology	PSYC6127	Indigenous Psychology	4	5
43	Cyber Security	COMP6646	Computer Forensic	2	5
44	Mobile Application & Technology	MOBI6057	Wearable Technology	2	5
45	Animation	DSGN6689	Concept Art & Production Design	2	5
46	Film	FILM6119	Audiences & Fan Culture	4	5
47	Business Information Technology	ISYS6579	Knowledge-Based AI: Cognitive Systems	4	5
48	Information Systems	ISYS6196	Business Analytics	2	5
49	Information Systems	ISYS6202	Social Informatics	4	5
50	Information Systems	ISYS8066	Business Process Management	4	5
51	Information Systems Accounting & Audit	ISYS6608	IT Service & Risk Management	2	5

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

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

Enrichment Track Scheme

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

Notes:

IN	: Internship	SA	: Study Abroad
RS	: Research	FS	: Further Study
EN	: Entrepreneurship	etc	: Study Program Special Purposes
CD	: Community Development		

Description:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ISYS6581	Industrial Experience	8	20
COMM6554	Business Communication	8	
ISYS6582	Applied Topics in Information Systems Accounting & Auditing	4	
Enrichment Program II			
ISYS6583	Professional Experience	8	20
BUSS6200	Business Ethic	8	
ISYS6584	Advanced Topics in Information Systems Accounting & Auditing	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENTR6954	New Venture Initiation in Information Systems Accounting & Auditing	8	20
ENTR6598	Product Development Process for Information Systems Accounting & Auditing Project	8	
ENTR6955	EES in New Information Systems Business I	4	
Enrichment Program II			
ENTR6956	Product launching in Information Systems Accounting & Auditing	8	20
ENTR6599	Business Development for Information Technology Business in Accounting & Auditing	8	
ENTR6957	EES in New Information Systems Business II	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6470	Research Experience	8	20
RSCH6512	Scientific Writing in Information Systems Research	8	
RSCH6472	EES in Information Systems Research	4	
Enrichment Program II			
RSCH6473	Information Systems Research Experience	8	20
RSCH6513	Scientific Writing in Information Systems	8	
RSCH6475	Global Employability and Entrepreneurial Skills in Information Systems Research	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6266	Community Outreach Project Implementation	8	20
CMDV6291	Community Outreach IS Accounting & Auditing Project Design	8	
CMDV6268	Employability and Entrepreneurial Skills in Information Systems Community	4	
Enrichment Program II			
CMDV6269	Community Development Project Implementation	8	20
CMDV6292	Community Development IS Accounting & Auditing Project Design	8	
CMDV6271	Employability and Entrepreneurial Skills in Information Systems Community Development	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			
Enrichment Program I/II			
GLOB6005	Elective Course for Study Abroad 1	4	20
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6251	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.

Enrichment Further Study Track

Code	Course Name	SCU	Total
Enrichment Program II			
ISYS6654	Service Oriented analysis and design	4	20
ISYS6655	Change Management for Enterprise	4	
ISYS6656	Digital Transformation Management	4	
ISYS6657	Data Analytics for Research	4	
ISYS6660	Visualization and Descriptive Analytics	4	

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

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: <i>Pancasila</i>	B
2.	ENTR6511	Entrepreneurship: Market Validation	C
3.	ISYS6535	Information Systems Analysis and Design*	C
4.	ISYS6126	Enterprise System	C
5.	ISYS6198	Data and Information Management*	C
6.	ISYS6256	Information Systems Project Management*	C
7.	ISYS6341	Information Systems Audit*	C
8.	ISYS6585	Accounting Management*	C

*) Tutorial & Multipaper