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 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 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,
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	ACCT6133003	Introduction to Financial Accounting	4	20
	ISYS6186003	Business Process Fundamental*&**	4	
	ISYS6093003	Information System Concept*&**	4	
	COMP6178003	Introduction to Programming	2/2	
	LANG6027003	Indonesian	2	
	English University Courses I			
	ENGL6128003	English in Focus	2	
	ENGL6130003	English for Business Presentation	2	

Sem	Code	Course Name	SCU	Total
2	ISYS6123003	Introduction to Database Systems*&**	2/2	20
	ISYS6126003	Enterprise System*&**	4	
	ISYS6338003	Testing and System Implementation*&**	2	
	ISYS6596003	User Experience Research and Design*&**	4/2	
	ENTR6509001	Entrepreneurship: Ideation	2	
	English University Courses II			
	ENGL6129003	English Savvy	2	
	ENGL6131003	English for Written Business Communication	2	
3	CHAR6013003	Character Building: *Pancasila*	2	22
	ISYS6197003	Business Application Development	2/2	
	ISYS6535003	Information Systems Analysis and Design**&***	4/2	
	ISYS6256003	Information Systems Project Management*&**	4	
	ISYS6478003	Research Methods in Information Systems	2	
	ISYS6198003	Data and Information Management**	4	
4	CHAR6014003	Character Building: *Kewarganegaraan*	2	18
	ISYS6542003	Advanced Information System Analysis and Design**&***	4/2	
	ISYS6585003	Accounting Management	2	
	ISYS6607003	Digital & Corporate Banking Blockchain*&**	2	
	ISYS6341003	Information Systems Audit**	4	
	ISYS6665003	Governance and Management of Information Technology*	2	
5	CHAR6015003	Character Building: *Agama*	2	20
	ENTR6511001	Entrepreneurship: Market Validation	2	
	ISYS6538003	Advanced in Business Application Development**	4/2	
	ISYS6608003	IT Service & Risk Management*&**	2	
	ISYS6591003	Digital Forensic Analysis and Reporting**	2	
	ISYS6592003	Analytics in Financial Services**	2	
	ISYS6524003	Financial Technology	4	
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	

*) 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 must pass English Savvy 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*

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		

Note:

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

Description:
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
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 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 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 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	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	

) 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			
MICR6033003	Course Certification I	3	20
MICR6034003	Technical Skill Enrichment I	4	
MICR6035003	Industrial Project I	9	
MICR6036003	Soft Skill Enrichment I	4	
MICR6001003	Elective Course for Micro Credential Course 1	8	
MICR6002003	Elective Course for Micro Credential Course 2	8	
MICR6003003	Elective Course for Micro Credential Course 3	6	

Code	Course Name	SCU	Total
MICR6004003	Elective Course for Micro Credential Course 4	6	
MICR6005003	Elective Course for Micro Credential Course 5	6	
MICR6006003	Elective Course for Micro Credential Course 6	5	
MICR6007003	Elective Course for Micro Credential Course 7	5	
MICR6008003	Elective Course for Micro Credential Course 8	5	
MICR6009003	Elective Course for Micro Credential Course 9	5	
MICR6010003	Elective Course for Micro Credential Course 10	4	
MICR6011003	Elective Course for Micro Credential Course 11	4	
MICR6012003	Elective Course for Micro Credential Course 12	4	
MICR6013003	Elective Course for Micro Credential Course 13	4	
MICR6014003	Elective Course for Micro Credential Course 14	4	
MICR6015003	Elective Course for Micro Credential Course 15	3	
MICR6016003	Elective Course for Micro Credential Course 16	3	
MICR6017003	Elective Course for Micro Credential Course 17	3	
MICR6018003	Elective Course for Micro Credential Course 18	3	
MICR6019003	Elective Course for Micro Credential Course 19	3	
MICR6020003	Elective Course for Micro Credential Course 20	3	
MICR6021003	Elective Course for Micro Credential Course 21	2	
MICR6022003	Elective Course for Micro Credential Course 22	2	
MICR6023003	Elective Course for Micro Credential Course 23	2	
MICR6024003	Elective Course for Micro Credential Course 24	2	
MICR6025003	Elective Course for Micro Credential Course 25	2	
MICR6026003	Elective Course for Micro Credential Course 26	2	
MICR6027003	Elective Course for Micro Credential Course 27	2	
MICR6028003	Elective Course for Micro Credential Course 28	2	
MICR6029003	Elective Course for Micro Credential Course 29	1	
MICR6030003	Elective Course for Micro Credential Course 30	1	
MICR6031003	Elective Course for Micro Credential Course 31	1	
MICR6032003	Elective Course for Micro Credential Course 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

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	
Enrichment Program II (Master of Computer Science: Data Science Stream)			
COMP6816003	Wireless and Cloud Computing Technologies	4	20
COMP6997003	IT Disaster Recovery	6	
COMP6981003	Applied Technology in Computer Science*	4	
COMP6998003	Knowledge Engineering	6	
Enrichment Program II (Master of Computer Science: Information Security Management)			
COMP6816003	Wireless and Cloud Computing Technologies	4	
COMP6997003	IT Disaster Recovery	6	
COMP6981003	Applied Technology in Computer Science*	4	
COMP6980003	Networking and Security Concepts	6	
Enrichment Program II (Master of Industrial Engineering)			
ISYE6316003	Advanced Supply Chain Management and Operations	4	20
ISYE6317003	System Simulation and Analytics	6	
ISYE6319003	Applied Business Engineering Project*	4	
ISYE6318003	Industrial Product Design and Production	6	
Enrichment Program II (Master of Accounting)			
ACCT6511003	COSO Framework Internal Control & Fraud Prevention	4	20
ACCT6503003	Risk Assessment Analytics	6	
FINC6220003	Financial Reporting Decisions	6	
ACCT6505003	Applied Technology in Accounting*	4	

*) 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.	ENTR6511001	Entrepreneurship: Market Validation	C
3.	ISYS6535003	Information Systems Analysis and Design*	C
4.	ISYS6126003	Enterprise System	C
5.	ISYS6198003	Data and Information Management*	C
6.	ISYS6256003	Information Systems Project Management	C
7.	ISYS6341003	Information Systems Audit*	C
8.	ISYS6585003	Accounting Management*	C

*) Tutorial & Multipaper