

## **Accounting Information Systems**

### **Introduction**

The development of information technology impacts significantly on various fields and activities. The biggest impact can be seen in accounting practice. The changes are becoming more and more complex as there are shifts in business activities, such as in organization management, the concept of change management, and integration activities making closer ties among suppliers, customers and even competitors (Computing Curricula 2005, Information System).

As a result, the skills needed in today's IT organization are as varied as those needed in any business unit in the company. All types of skills are necessary, not just technical skills. For IT people to advance, they need to develop capabilities related to project management, financial management, performance measurement, one-on-one and group communications as well as written communications, organizational and people development, and relationship management.

The Accounting Information Systems program which is offered by the School of Information Systems will enable students to gain a solid business background, as well as mastering the accounting practice and management of information system, hence will develop a unique competency which will be a competitive advantage for them to succeed in today's global competition.

### **Vision**

To be the chosen program by providing a high quality accounting information system education to deliver graduates with international qualifications.

### **Mission**

The mission of Accounting Information Systems Program is to contribute to the global community through the provision of world-class education by :

1. Recognizing and rewarding the most creative and value adding talents.
2. Educating students about analytical and problem solving skills, and good character in business information systems and information technology valuation.
3. Preparing graduates for global industry/entrepreneurship and continue for advanced degrees, by providing a conducive learning process, intensive applied research activities and collaboration with global industries.
4. Conducting professional services in Accounting Information System with an emphasis on the application of knowledge to society.
5. Improving the quality of life for Indonesians and the international community through sharing knowledge of Business Applications.

## **Program Objective**

The objectives of the program are :

1. To provide students with a solid foundation of accounting, business process knowledge and applied skills and abilities that they will need as a system analyst
2. To provide students with the techniques and knowledge to analyze accounting information system as an accounting cycle system analyst or consultant
3. To provide students with techniques and knowledge to design and construct accounting information system
4. To provide students with applied business application knowledge for specific industry purposes

## **Graduate Competency**

At the end of the program, graduates will be able to :

1. Illustrate an understanding of Information System Framework
2. Analyze information requirements and business processes.
3. Design systems that are aligned with organizational goals.
4. Analyze accounting information and business processes requirements
5. Analyze, design and construct accounting information system for an enterprise.
6. Recommend and design of integrated business systems.

## **Prospective Career of the Graduates**

Work domains for the graduates of Accounting Information program are:

1. System analyst, System designer, or System development project team leader
2. Business analyst or business consultant
3. Accounting Information Systems Specialist or Information specialist
4. Information Systems Consultant
5. Management development program in a service, commerce, or industry
6. Financial evaluator or controller in a public company
7. Working in government institution or non-profit organization
8. Instructor or lecturer in the education institution
9. Working in research area
10. Develop entrepreneurship

## **Curriculum**

The Accounting information Systems curriculum is in alignment with ACM-Information Systems Curriculum and National Standard Curriculum. The curriculum requires 146 credits and consist of information systems courses and specific courses in Accounting Information systems. The curriculum is designed to combine both IT planning and system design, 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 analyzing business process and recommend the right integrated business system solution. The successful candidate will get an S.Kom degree. Courses are as below :

### Course Structure

Sem	Code	Course Name	SCU	Total	
1	COMP6178	Introduction to Programming	2/2	20	
	ACCT6133	Introduction to Financial Accounting	4		
	ISYS6186	Business Process Fundamental	4		
	ISYS6093	Information System Concept	4		
	STAT6081	Statistics	2		
	<b>English University Courses I</b>				
	ENGL6128	English in Focus	2		
	ENGL6130	English for Business Presentation	2		
2	CHAR6013	Character Building: Pancasila	2	21	
	ISYS6212	Accounting Information System Development	2/2		
	ACCT6134	Intermediate Accounting	4		
	ISYS6123	Introduction to Database Systems	2/2		
	ISYS6197	Business Application Development	2/2		
	LANG6061	Indonesian	1		
	<b>English University Courses II</b>				
	ENGL6129	English Savvy	2		
ENGL6131	English for Written Business Communication	2			
3	CHAR6014	Character Building: Kewarganegaraan	2	24	
	ENTR6003	Entrepreneurship I	2		
	ISYS6209	User Experience	2/2		
	ISYS6037	Manufacturing Information System	4		
	ISYS6126	Enterprise System	4		
	ACCT6117	Advanced Accounting	4		
	ISYS6198	Data and Information Management	4		
4	CHAR6015	Character Building: Agama	2	22	
	ISYS6211	Web based Application Development	2/2		
	ISYS6336	Services Information System	2		
	ISYS6015	Accounting Information Systems Analysis and Design*	4		
	ISYS6338	Testing and System Implementation	2		
	TAXN6019	Taxation	4		
	<b>Elective Courses**</b>				
	FINC6001	Financial Management	4		
ISYS7158	Applied ERP I	4			

Sem	Code	Course Name	SCU	Total	
5	ENTR6004	Entrepreneurship II	2	22/24****	
	ISYS6191	Advanced in Business Application Development*	2/4		
	ACCT6013	Cost Accounting	4		
	STAT6021	Research Methodology***	2		
	ISYS6256	Information Systems Project Management	4		
	<b>Elective Courses**</b>				
	ACCT6010	IT Cost Management	4		
	ISYS6444	Applied ERP: Business Process in Procurement	4		
	ISYS6446	Applied ERP: Business Process in Financial Accounting	4		
6	<b>Enrichment Program I</b>		15	15	
7	<b>Enrichment Program II</b>		16	16	
8	ISYS6018	Thesis	6	6/8****	
	STAT6021	Research Methodology***	2		
<b>TOTAL CREDIT</b>			<b>146/150**** SCU</b>		

\*) Entrepreneurship embedded

\*\* ) Elective Courses:

- Students choose 4 credits of elective courses
- Students choose 2 courses (ACCT6010 and ACCT6269; or ISYS6444 and ISYS6446) of elective courses

\*\*\* ) Research Methodology:

- Students choose **ACCT6010 IT Cost Management** course or **ISYS6444 Applied ERP: Business Process in Procurement and ISYS6446 Applied ERP: Business Process in Financial Accounting**; For students who choose ACCT6010 will take **STAT6021 Research Methodology in semester 5**, but for students who choose ISYS6444 and ISYS6446 will take **STAT6021 in semester 8**.
- Students who choose ACCT6010 will take **STAT6021 Research Methodology in semester 5**, but for students who choose ISYS6444 and ISYS6446 will take **STAT6021 in semester 8**.

\*\*\*\* ) Cumulative Credits:

- Students who choose ACCT6010 as elective course is 109 credits (total credits 22), while students who choose ISYS6444 & ISYS6446 is 111 credits (total credits 24).
- Students who choose ACCT6010 as elective course is 146 credits, while students who choose ISYS6444 & ISYS6446 is 150 credits.

#### English University Courses:

-) For 1<sup>st</sup> Semester : English University Courses I, student with score Binus University English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation

-) For 2<sup>nd</sup> Semester: English University Courses II, student with score Binus University English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

#### Enrichment Program I (6<sup>th</sup> Semester) & Enrichment Program II (7<sup>th</sup> Semester):

-) Student will take one of enrichment program tracks (off campus).

### Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*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	

Notes:

I : Internship

RS : Research

ENTR : Entrepreneurship

CD : Community Development

SA : Study Abroad

\*etc : Department specific needs

Notes:

Student can choose one of the available tracks

### Enrichment Internship Track

Code	Course Name	SCU	Total
<b>Enrichment I</b>			15
ISYS6345	Experience in Industry	8	
COMM6226	Business Communication	3	
ISYS6230	Accounting Information Systems in Industry	4	16
<b>Enrichment II</b>			
ISYS6346	Professional Program in Industry	8	
BUSS6056	Business Ethic	4	
ISYS6231	Financial Accounting Information Systems	4	

### Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
<b>Enrichment I</b>			
ENTR6327	Business Start Up	8	15
ENTR6145	Business Model for Technopreneur	2	
ENTR6146	Launching New Venture for Technopreneur	2	
ENTR6378	EES in New Information Systems Business	3	
<b>Enrichment II</b>			
ENTR6355	Growing a Business	8	16
ENTR6147	Lean Start Up & Business Plan for Technopreneur	2	
ENTR6148	Venture Capital for Technopreneur	2	
ENTR6366	EES in Information Systems Business Experience	4	

### Enrichment Research Track

Code	Course Name	SCU	Total
<b>Enrichment I</b>			
RSCH6277	Research Experience	8	15
RSCH6194	Scientific Writing in Information Systems Research	4	
RSCH6297	EES in Information Systems Research	3	
<b>Enrichment II</b>			
RSCH6277	Research Experience	8	16
RSCH6194	Scientific Writing in Information Systems Research	4	
RSCH6287	EES in Information Systems Research	4	

### Enrichment Community Development Track

Code	Course Name	SCU	Total
<b>Enrichment I</b>			
CMDV6158	Community Outreach Project Implementation	8	15
CMDV6039	Community Outreach Accounting Information System Project Design	4	
CMDV6202	Employability and Entrepreneurial Skills in Information Systems Community	3	
<b>Enrichment II</b>			
CMDV6158	Community Outreach Project Implementation	8	16
CMDV6039	Community Outreach Accounting Information System Project Design	4	
CMDV6177	Employability and Entrepreneurial Skills in Information Systems Community Development	4	

### Enrichment Study Abroad Track

Code	Course Name	SCU	Total
<b>Elective courses list for study abroad*</b>			
<b>Enrichment Program I</b>			
GLOB6005	Elective Course for Study Abroad 1	4	15
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	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
<b>Enrichment Program II</b>			
GLOB6005	Elective Course for Study Abroad 1	4	16
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	

\*)Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

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

No.	Code	Course Name	Minimum Grade
1	CHAR6013	Character Building: Pancasila	B
2	ENTR6004	Entrepreneurship II	C
3	ISYS6015	Accounting Information Systems Analysis and Design	C
4	ISYS6126	Enterprise System*	C
5	ISYS6198	Data & Information Management*	C
6	ISYS6256	Information Systems Project Management *	C
7	ACCT6013	Cost Accounting	C
8	ISYS6212	Accounting Information System Development	C

\*) Tutorial & Multipaper