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					1 <sup>st</sup>	year			2 <sup>nd</sup>	year			3 <sup>rd</sup>	year			4 <sup>th</sup>	year		
	Course	Crs	Hrs	Fa	all	Spi	ing	Fa	ıll	Spi	ring	F	all	Spi	ring	F	all	Spi	ring	Note
				class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	
	Chinese Literature: Appreciation and Creative Writing	4	4	2		2														
	Practical English (1)	2	3	2	1															
	Practical English (2)	2	3			2	1													
	Practical English (3)	1	2					1	1											
	Practical English (4)	1	2							1	1									
Core Required Courses	Business Communication in English (1)	1	2									1	1							Notes 1
Courses	Business Communication in English (2)	1	2											1	1					
	Career in the English (1)	0	2													1	1			
	Career in the English (2)	0	2															1	1	
	General Education	12	12	4		4						2		2						Notes 3
	Physical Education (1)~(6)	0	12	2		2		2		2		2		2						
	Service Learning	0	1																	Notes 4
	Subtotal	24	47	8		8		1		1		3		3		0		0		
	Introduction of Computer Science	3	5	3	2															Computer classroom
	Accounting (1)	3	5	3	2															
	Calculus	6	8	3	1	3	1													
	Programming Design (1)~(2)	6	10	3	2	3	2													Computer classroom
	Management	3	3			3														
Professional	The Overview of Information Technology	1	1			1														
Required Courses	Data Structures	3	5					3	2											Computer classroom
Courses	Database Management	3	5					3	2											Computer classroom
	Managerial Mathematics	3	3					3												Computer classroom
	Statistics (1)	3	4					3	1											
	Statistics (2)	3	3							3										
	Introduction to Computer Networks	3	3							3										
	Web Programming	3	3							3										

Financial Management	3	3				3					Computer classroom
System Analysis and Design	3	3					3				

					1 <sup>st</sup>	year			2 <sup>nd</sup>	year			3 <sup>rd</sup>	year			4 <sup>th</sup>	year		
	Course	Crs	Hrs	Fa	all	Spr	ing	Fa	ıll	Spi	ring	F	all	Spr	ing	F	all	Spi	ring	Note
				class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	
	Management Information System	3	3									3								
Professional	Production /Operation Management	3	3									3								
Required Courses	Enterprise Resource Planning	3	3											3						Computer classroom
	Topic Research(1)-(2)	6												3		3				
	Topic Institute	1	2															1	1	
	Subtotal	66	78	12		10		12		12		9		5		5		1		
Total Require	d Course Credits	90	125	20		18		13		13		12		8		5		1		
rogram	Object-Oriented Programming	3	3					3												Computer classroom
រដ្ឋ	Windows Programming	3	3					3												Computer classroom
ro	Advanced Programming	3	3					3												Computer classroom
n P	Introduction to Multimedia	3	3					3												
ti o	Graphical user interface	3	3							3										Computer classroom
Elective Uter Course	Multimedia Design and Application	3	3							3										Computer classroom
		3	3							3										Computer classroom
catio	Database Application Design Advanced	3	3									3								Computer classroom
Application	Web System Development Technology	3	3									3								Computer classroom
		3	3									3								
Web	Topics on System Analysis and Design	2	2											2						

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Windows.net Technology Development and Application	3	3						3			Computer classroom
Software Project Management	3	3						3			

					$1^{st}$	year		2 <sup>nd</sup>	year		3 <sup>rd</sup>	year		4 <sup>th</sup>	year		Note
		Course	Crs	Hrs	1		1				1			1		I	
		Enterprise Network Technology	3	3								3					Computer classroom
		Introduction of Software Engineering	3	3									3				
	_	Advanced Enterprise Network Technology	3	3									3				Computer classroom
	Application	Network Technology Data Warehouse and Data Mining	3	3									3				
	ildo 1	Network Security	3	3											3		
	Web Ap	Network Security Network Planning & Management Information architecture and	3	3											3		Computer classroom
Elective Course	W and	Information architecture and Web Design	3	3											3		
Course	Planning	Human Resource Management	3	3					3								
	une 3	Operation Research Marketing Management	3	3					3								
	Ρl	Marketing Management	3	3						3							
	urce	Information Technology and Knowledge Management	3	3								3					
	Res	Project Management	3	3								3					
	se l	Network Marketing	3	3									3				
	pri	Project Management Network Marketing E-Business Marketing Research	3	3									3				
	ter	Warketing Research	3	3									3				
	En	Topics on ERP and Logistics Management	3	3									3				Computer classroom

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	r			r			<b>-</b>				1										
		Topics on ERP and Financial Management	3	3															3		Computer classroom
	۵	Marketing Management	3	3									3								
	Suc.	Organization Learning	3	3									3								
	ig li	Data Analysis Technology	3	3									3								Computer classroom
	e intel ageme	Managerial Decision Analysis	3	3											3						Computer classroom
	Enterprise intelligence Management	Information Technology and Knowledge Management	3	3											3						
	Ente	Analysis of Consumers' Behavior	3	3											3						
						1 <sup>st</sup> :	year			$2^{nd}$	year			3 <sup>rd</sup>	year			4 <sup>th</sup> y	year		
		Course	Crs	Hrs	Fa	ıll	Spr	ring	Fa	all	Spi	ing	Fa	all	Spr	ing	Fa	ıll	Spr	ring	Note
					class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	
		Decision Support Systems	3	3											3						
	Jence	Customer Relationship Management	3	3											3						
	ent ent	Network Marketing E-Business	3	3											3						
	inte Jem	E-Business	3	3													3				
	prise i Manaç	Innovation and Technology Management	3	3													3				
	Enterprise intelligence Management	Data Warehouse and Data Mining	3	3													3				
		Strategic Management	3	3															3		
Elective Course		Information Technology Applications (1)	2	2	2																Computer classroom
Course		Information Technology Applications (2)	2	2			2														Computer classroom
		Economics (1)	3	3			3				3										
	er	Organization Behavior	3	3					3												
	Other	Discrete Mathematics	3	3									3								
		Creativity and Invention	3	3									3								
		Information Technology Service Learning	3	3									3								
		Happy Technology Research	3	3									3								

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		Internet Psychology Research	3	3											3						
		Invention patent search	3	3											3						
		Information Technology Service Management													3						
		E-Learning Course Design	3	3											3						
		Computer Crime Prevention	3	3											3						
		Information Security	3	3													3				
		Practice of Information Management Career Development	3	3													3				
		Legal Information	3	3													3				
		Civil Law	2	2													2				
						1 <sup>st</sup> y	/ear			$2^{nd}$	year			3 <sup>rd</sup>	year			4 <sup>th</sup> y	year		
		Course	Crs	Hrs	Fa	ıll	Spr	0	Fa	.11	Spr	ing	Fa		Spr		Fa	ıll	Spr	ring	Note
					class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	
		Information retrieval	3	3															3		
		Soft Computing	3	3															3		
		Supply Chain Management and Logistics	3	3															3		
		Information Technology Management	3	3															3		
		Information Industry Analysis	3	3															3		
Elective	ner	Copyright Law	2	2															2		
Course	Other	Military Training Education I	0	4	2		2														
		Nursing Education I	0	4	2		2														
		Military Training Education II	0	4					2		2										
		Japanese (1)	4	6					2	1	2	1									
		Japanese (2)	4	6									2	1	2	1					
		Physical Education(7~8)	4	4													2		2		
<b>T</b> 1	Subto	otal Required Course Credits	90																		
Lotal		ast Elective Credits	38																		

Subtotal Elective Course Credits	19
Outside the department must admit Elective Credits	19
Grand Total	128

Notes:

- 1. In accordance with the General Provisions for Study, undergraduate students need to satisfactorily complete Service Learning, meet the university-wide basic competencies of English, Information Technology, Chinese, and Sports, and pass the core competencies of their department to be eligible for graduation.
- 2. Students who entered in and since the 2011-12 academic year need to complete at least 12 General Education course credits. General Education courses are divided into three areas: Humanities, Social Science, and Natural Science. Each area is divided into two subcategories: core and extended. Students need to take 1 two-credit course in both of the subcategories within each area to be eligible for graduation. Only 12 course credits will be counted toward graduation. Additional course credits earned in General Education courses are not counted toward graduation.
- 3. Undergraduate students are allowed to take courses from the master program as their professional elective, however, under the condition of approval by the department chair. The course credits can be counted toward students' final grades.
- 4. Courses from focused course programs set up by any individual IT department or cooperatively between IT and other Schools can be regarded as the CCE professional elective courses under the condition of approval by the department chair. Professional courses selected from other Schools also have to be approved by the chair, but the CCE Department can only admit maximum 19 course credits.
- 5. Any student who fails a professional required course, the credits must be made up by retaking that course. If the course is retaken outside IM department, only Calculus is considered as the credits for graduation.
- 6. The courses listed in this outline are applicable for these students entered befor Academic year 2011