

Ming Chuan University Applied Computing Program Course Outline for all students entering in 2016 2016.06.19 P.2 of 8

Computer	Applied Information Technology: Office Software	3	4	3	1														
	Applied Information Technology: Data Processing	3	4			3	1												
Physical Education 1-6		0	12	2		2		2		2		2		2					
Subtotal		27	41	14	1	14	1	5	0	5	0	8	0	8	0	3	0	0	0

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Course	Credits	Hours	1st year (Year 104)		2nd year (Year 105)		3rd year (Year 106)		4th year (Year 107)		Note								
			Fall		Spring		Fall		Spring										
			class	lab	class	lab	class	lab	class	lab		class	lab						
Professional Required Courses	Computer Network	3	3					3											
	Database System	3	3					3											
	Discrete Mathematics	3	3							3									
	Accounting-1	3	5							3	2								
	Economics-1	3	3									3							
	Project Research(1)-(2)	6											3		3				
	Special Topic	3	3																3
	Subtotal	48	52	6	3	6	3	9	2	9	1	6	2	6	0	3	0	3	0
Professional Elective Courses	Calculus-2	3	3					3											
	Probability	3	3					3											
	Economics-2	3	3							3									
	Multimedia Design	3	3							3									
	Operating System	3	3							3									
	Commuter Algorithm	3	3							3									
	Programming Language	3	3							3									
	Marketing Management	3	3							3									
	Object-Oriented Programming	3	3							3									
	Management Information Syste	3	3							3									
	Satistic-2	3	3																
	Financial Management	3	3									3							
	Operation Research	3	3									3							
	Data Warehousing	3	3									3							
	Reaserch Methods	3	3									3							
	Web Programming	3	3									3							
	Production / Operation Management	3	3									3							
Project Management	3	3									3								

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Course	Credits	Hours	1st year (Year 104)		2nd year (Year 105)		3rd year (Year 106)		4th year (Year 107)		Note							
			Fall		Spring		Fall		Spring									
			class	lab	class	lab	class	lab	class	lab		class	lab					
Data Mining	3	3							3									
System Analysis and Design	3	3							3									
Human Resource Management	3	3								3								
Cloud Computing	3	3																
Practical of Big Data Analysis	3	3																
Program Design for Business Intelligence	3	3								3								
Local Area Networks	3	3																
Wide Area Networks	3	3																
Supply Chain Management	3	3								3								
Electronic Commerce	3	3								3								
Software Engineering Practice	3	3								3								
Interactive Media Techniques	3	3								3								
Windows Programming	3	3								3								
Accounting-2	3	3																
Knowledge Management	3	3												3				
Enterprise Resource Planning	3	3												3				
Computer Animation	3	3												3				
Network Information Security	3	3												3				
Software Engineering Tools	3	3												3				
Network Programming	3	3												3				
Internship	3	3												3				
Strategy Management	3	3															3	
Information Ethics	3	3															3	
Mobile APP Development	3	3																
Distributed System	3	3															3	
International Business Management	3	3															3	
Organizational Behavior	3	3															3	
Software Verification and Validation	3	3															3	
Subtotal	141	141	0	0	3	0	3	0	21	0	36	0	30	0	24	0	21	0
Choose at least Elective credits	24	24																

Professional Elective Courses

New Course

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Other Electives	Military Training - 1	0	2	2															Single Semester Course
	Military Training - 2	0	2			2													Single Semester Course
	Military Training - 3	4	2					2											Single Semester Course
	Military Training - 4	0	2						2										Single Semester Course
	Subtotal	0	8	2	0	2	0	2	0	2	0	0	0	0	0	0	0	0	0
Subtotal College Required Course Credits		33																	
Subtotal Professional Required Credits		48																	
Subtotal Professional Elective Credits		24																	
Other Elective Credits		23																	
Total Credits		128																	

Note	<ol style="list-style-type: none"> Students may choose any other programs or departments courses for up to 23 credits to fulfill program completion requirements ; take non English taught courses need approval from the program director. Additional course credits in general education or teacher education program cannot be counted in the total number of credits required for obtaining a Bachelor’s degree. Students have to take at least 12 core elective credits before graduation; it should include at least one subject from “Social Sciences”, one subject from “Natural Sciences & Mathematics ”, one subject from “Humanity & Arts”, one subject from “Cross Field General Education Category”, one subject from “free selective”. Students earned more than 12 credits of college core electives, the amount could be count as free elective credits. Professional required and elective credits of each program can not be counted as IC core elective credits. If students need to repeat a required course, the chair of the department can assign other courses which have the same course name or the same content as a substitute. These courses can be counted toward graduation credit. International freshmen or first-year students can waive “Basic English Listening and Oral Communication” and “Basic English Reading and Grammar” if meeting one of the following conditions: (1) IC entrance English proficiency requirement, (2) certificate of TOEFL 500/ IBT61, (3) IELTS 5, (4) GEPT – Intermediate Level, (5) document indicating English as the language of instruction in the previous level of education, (6) English as the first language, (7)English as the official language . International freshmen or first-year students who achieve higher English proficiency level (TOEFL 580 / IBT 92 or IELTS 6) can apply to waive “English Reading and Composition-I” and “English Reading and Composition-II” and take other language related course; however, the approval from program chair is required. Before graduation from Ming Chuan University, students who hold (1) Form-5 high school diploma or (2) high school equivalent status for less than two years before admitted to MCU are required to take at least a total of 12 credits of elective courses using English as the language of instruction. In accordance with MCU General Provisions for Study, all undergraduate students must pass the requirements for Service-Learning, English Proficiency, Information Technology Proficiency, Chinese Proficiency, Sports Ability, and Basic Professional Skills in order to graduate. International freshmen who can provide proof of achieving higher Chinese proficiency level (TOCFL advanced level) can apply to waive “Basic Mandrian I” and “Basic Mandrian II” and take “Intermidate Mandrian I” and “Intermidate Mandrian II” to instead. This course outline applies to students entering in Fall 2016. Elective courses on this course curriculum university prior to Fall 2016.may be counted toward total graduation credits by students who entered the university prior to Fall 2016.
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