

Ming Chuan University Applied Computing Program Course Outline for all students entering in 2017 2017.06.19 P.1 of 8

Course	Credits	Hours	1st year (Year 2017)		2nd year (Year 2018)		3rd year (Year 2019)		4th year (Year 2020)		Note	
			Fall		Spring		Fall		Spring			
			class	lab	class	lab	class	lab	class	lab		class
Chinese Literature: Appreciation and Creative Writing	4										Choose two from "Humanities & Arts" category as substitutions	
Practical English 1-4	8											
Business Communication 1-2												
Workplace English 1-2												
General Education	12										Choose four from "Mathematics and Science" category, "Social Science" category and "Humanities & Arts" category as substitutions	
Subtotal	24											
MCU Core Required Courses Language	Chinese Literature: Appreciation and Creative Writing 1-2	6	6	3	3							Only applied to local students
	Basic Mandarin Conversation I-II	6	6	3	3							Only applied to Overseas Chinese students and International students
	Academic English Listening & Speaking I	0	3	3								
	Academic English Vocabulary & Reading I	0	3			3						
	Academic English Grammar & Writing I	0	3					3				
	Academic English Listening & Speaking II	3	3		3							
	Academic English Vocabulary & Reading II	3	3				3					
	Advanced Academic English Integrated Training	3	3						3			
	Advanced Academic English Teaching Training	3	3					3				
	Advanced Academic English Teaching Practicum	3	3						3			
	Advanced Academic English Integrated Training	3	3							3		

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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



Course		Credits	Hours	1st year (Year 2017)		2nd year (Year 2018)		3rd year (Year 2019)		4th year (Year 2020)		Note							
				Fall		Spring		Fall		Spring				Fall		Spring			
				class	lab	class	lab	class	lab	class	lab			class	lab	class	lab		
Core Elective Courses	Humanities & Arts	Introduction to Chinese Literature	3	3	3												Substitutions for "Chinese Literature: Appreciation and Creative Writing" Category	Choose at least two courses	
		Introduction to World Literature	3	3			3												
		Chinese Literature: Appreciation and Creative Writing	3	3	3														
		Introduction to Chinese Culture	3	3	3														
		Special Topics on Art	3	3	3														
		Introduction to Western Literature	3	3	3														
		Special Topics on Modern China	3	3	3														
		Special Topics on Humanity	3	3			3												
		Public Speaking	3	3					3										
		Chinese History and Culture	3	3			3												
		Cross-cultural Communication	3	3	3														
		Western Art Appreciation	3	3			3												
Readings of Selected Short Stories	3	3	3																
Core Elective Courses	General Education Courses	Leadership	3	3					3								Substitutions for "General Education" Category	Choose at least one course	
		Practical English Reading	3	3					3										
		Applied Linguistics	3	3					3										
		Second Language Acquisition	3	3					3										



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Course	Credits	Hours	1st year (Year 2017)		2nd year (Year 2018)		3rd year (Year 2019)		4th year (Year 2020)		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 2017)				2nd year (Year 2018)				3rd year (Year 2019)				4th year (Year 2020)				Note
			Fall		Spring		Fall		Spring		Fall		Spring		Fall		Spring		
			class	lab	class	lab	class	lab	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

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
<b>Subtotal College Required Course Credits</b>		<b>33</b>																	
<b>Subtotal Professional Required Credits</b>		<b>48</b>																	
<b>Subtotal Professional Elective Credits</b>		<b>24</b>																	
<b>Other Elective Credits</b>		<b>23</b>																	
<b>Total Credits</b>		<b>128</b>																	

Note	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>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 &amp; Mathematics”, one subject from “Humanity &amp; Arts”, one subject from “Cross Field General Education Category”, one subject from “free selective”.</li> <li>Students earned more than 12 credits of college core electives, the amount could be count as free elective credits.</li> <li>Professional required and elective credits of each program can not be counted as IC core elective credits.</li> <li>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.</li> <li>All students need to take a placement test every year. Students who pass the CEFR B1 level of placement test can apply for waiving Academic English Listening and Speaking 1, Academic English Vocabularies and Reading 1, and Academic English Grammar and Composition 1. Students who fulfill following conditions still need to take placement test and applying waiving Academic English Listening and Speaking 1, Academic English Vocabulary and Reading 1, and Academic English Grammar and Composition 1 after they pass the CEFR B1 level of placement test: document indicating English as the language of instruction in the previous level of education, or English as the first language, or English as the official language</li> <li>All students need to take a placement test every year. Students who pass the CEFR B2 level of placement test can apply for waiving Academic English Listening and Speaking 2, Academic English Vocabulary and Reading 2, and Academic English Grammar and Composition 2. They can change to take following courses: Advanced Academic English, Advanced Academic English Practicum, and Advanced Academic English Integrated Training. On the other hand, students who fulfill following conditions still need to take placement test and they can change to take three Advanced English courses after they pass the CEFR B2 level of placement test: document indicating English as the language of instruction in the previous level of education, or English as the first language, or English as the official language.</li> <li>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.</li> <li>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.</li> <li>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 “Intermediate Mandrian I” and “Intermediate Mandrian II” to instead.</li> <li>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.</li> </ol>
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