

Master Program of Department of Information Management at Chang Gung University List of Required Courses (Academic Year 2018. Sept.)

		Subjects (1st Year)	Credit	Fall	Spring	Subjects (2nd Year)	Credit	Fall	Spring
Department Compulsory		Seminar on Information Technology and Applications	1	1		Seminar	1	1	
		Professional Ethics	2	2					
		Seminar on Information Management	1		1				
Common Elective		Research Methods	3	3					
		Academic Writing	3		3				
Field Elective	Medical Information	Medical Informatics	3	3		Artificial Neural Network	3	3	
		Image Processing	3	3		Health Information Management	3		3
		Medical Imaging	3		3				
		Healthcare Management Information System	3		3				
	Information Behavior	Advanced Management Information Systems	3	3		Social Network Analysis	3	3	
		Applied Multivariate Analysis	3	3		User Behavior and Management	3	3	
		E-Business	3		3	Business Case Study	2	2	
						Web Mining and Text Mining	3		3
	Information Security	Applied Cryptography	3	3		Next Generation Communication Networks	3	3	
		Wireless Communications	3	3		Identification and Security	3	3	
		Mobile Commerce	3		3	Special Topics in Information Security	3		3
		Policies and Management of Information Security	3		3	Special Topics in Inter-Organization Network	3		3
		Cloud Computing and Services	3		3	Mobile Commerce Security and Applications	3		3
		Advanced Information Security	3		3				
	Management Science and Engineering	Quantitative Methods	3	3		Decision Analysis	3	3	
		Combinatorial Optimization	3	3		Knowledge Management and Enterprise Intelligence	3	3	
		Big Data Processing and Analytical Techniques	3	3		Multi-Objective Decision-Making	3		3
		Data Mining	3	3		Software Engineering	3		3
		Evolutionary Computation	3		3				
		Advanced Data Structures and Algorithms	3		3				
		System Simulation Practice	3		3				
		Service Science and Management	3		3				
	備註	<p>1. Students are required to undertake Department Compulsory courses (5), Thesis (6), and Elective courses (29), making 40 credits in total for graduation.</p> <p>2. At least one course is required from the list of common elective courses.</p> <p>3. In the Field Elective courses, students are required to undertake at least 15 credits from 3 out of the four fields.</p>							