

105 Semester Under Graduate Four-year Program

Curriculum flow chart (Lecture Hours-Labs Hours-Credits)

1st year		2nd year		3rd year		4th year	
1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
Common Compulsory Courses							
Physical Education 2-0-0	Physical Education 2-0-0	Physical Education 2-0-0	Physical Education 2-0-0				
Selected Reading in Prose 2-0-2	Appreciation of Chinese Literature 2-0-2		Practical Chinese 2-0-2	Constitution and Law 2-0-2	Philosophical Thinking 2-0-2		
Life Education 2-0-2	Historical Thinking 2-0-2	General Education 2-0-2	General Education 2-0-2	General Education 2-0-2	General Education 2-0-2		
Practicum in English Communication (I) 0-2-1	Practicum in English Communication (II) 0-2-1	English Presentation and Writing (I) 2-0-2	English Presentation and Writing (II) 2-0-2	Career English 2-0-2			
Service Learning 0-2-0	Service Learning 0-2-0						
6-4-5	6-4-5	6-0-4	8-0-6	6-0-6	4-0-4		
College Common Compulsory Courses (15 credits)							
Accounting(I) 3-0-3	Economics (I) 3-0-3	Statistics (I) 3-0-3				Business Ethics 2-0-2	
Management Theory (I) 2-0-2	Management Theory (II) 2-0-2						
5-0-5	5-0-5	3-0-3				2-0-2	
Dept Compulsory Courses(51 credits)							
Introduction to Computer Science 3-0-3	Program Design 3-0-3	Object Oriented Programming Languages 3-0-3	Statistics (II) 3-0-3	Database Management Systems 3-0-3	Information Management Projects (I) 3-0-3	Information Management Projects (II) 3-0-3	
Programming Concept and Methods 3-0-3	Introduction to Information Management 3-0-3	Data Structures 3-0-3	Systems Analysis and Design 3-0-3	Operating Systems 3-0-3	Project Management 3-0-3	Management Information Systems 3-0-3	
Calculus (I) 3-0-3			Information Networks 3-0-3	Object-Oriented Software Engineering 3-0-3			
9-0-9	6-0-6	6-0-6	9-0-9	9-0-9	6-0-6	6-0-6	
Optional Courses(at least 41 credits)							
Total: the minimum credits: 137credits							

Under Graduate Two-year Program

Curriculum flow chart (Lecture Hours-Labs Hours-Credits)

1st year		2nd year	
1st semester	2nd semester	1st semester	2nd semester
Common Compulsory Courses(含通識2Credits，計10Credits)			
Practical English 2-0-2	Appreciation of Chinese Literature 2-0-2		
General Education 2-0-2	Historical Thinking 2-0-2	Constitution and Law 2-0-2	
Service Learning 0-2-0	Service Learning 0-2-0		
4-2-4	4-2-4	2-0-2	
College Common Compulsory Courses (2 credits)			
		Business Ethics 2-0-2	
		2-0-2	
Dept Compulsory Courses(24 Credits)			
Database Systems 3-0-3	Management Object Oriented Programming Languages 3-0-3	Object-Oriented Engineering 3-0-3	Software
Information Networks 3-0-3	Information Projects (I) 3-0-3 Management Systems 3-0-3	Management Information Projects (II) 3-0-3 Information Project Management 3-0-3	Management
6-0-6	9-0-9	9-0-9	
Optional Courses(at least 36Credits)			

【2-1 課程流程圖】

Undergraduate Program Selective Courses

Curriculum flow chart (Lecture Hours-Labs Hours-Credits)

1st year		2nd year		3rd year		4th year	
1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
Information Technology Optional Courses							
Business Computer Software Applications	Operating System Operation and Administration 3-0-3 Web Page Design 3-0-3	Introduction to Cloud Computing 3-0-3	Multi Media Design 3-0-3 Object Oriented Window Programming 3-0-3	Interaction Design and Thinking 3-0-3 Introduction to E-learning 3-0-3 Special Topics of Information Technology (I) 3-0-3 Software Engineering 3-0-3 Embedded System Development 3-0-3	Database Design and Application 3-0-3 Algorithms 3-0-3 Special Topics of Information Technology (II) 3-0-3 Web-Based Development 3-0-3 Software Architecture 3-0-3 Computer Communication in Practice 3-0-3	Database Administration (I) 3-0-3 Component-based Software Development Technique 3-0-3 Special Topics of Information Technology (III) 3-0-3 Software Measurement 3-0-3 Network Management 3-0-3 Network and Database Application Systems 3-0-3	Database Administration (II) 3-0-3 Special Topics of Information Technology (IV) 3-0-3 Projects for Manufacture Execution System 3-0-3 Data Mining and Big Data Analysis 3-0-3 Cloud Computing Security 3-0-3 Information System Auditing 3-0-3 Internship Industry (I) 1-8-5
Information Management Optional Courses							
		Managerial Psychology 3-0-3	Communication Skills 3-0-3	Marketing Information System 3-0-3 Decision Support System 3-0-3	Electronic Business 3-0-3 Investment Information Management 3-0-3 Global Logistics Management 3-0-3	Customer Relationship Management 3-0-3 Seminar in eBusiness 3-0-3 Knowledge Management 3-0-3 Introduction to MES Systems 3-0-3 MES System Analysis and Design 3-0-3 Statistics 3-0-3 Basic Law of Technology 3-0-3	Topics of Information Management 3-0-3 Strategic Information System 3-0-3 Technology Ethics and Law 3-0-3 Software Quality Management 3-0-3 Seminar of Industrial Pragmatic (II) 3-0-3 Internship Industry (II) 1-8-5

Undergraduate Program Selective Courses

Curriculum flow chart (Lecture Hours-Labs Hours-Credits)

1st year		2nd year		3rd year		4th year	
1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester

Other Optional Courses :

Calculus
(II)
3-0-3

Managerial
Mathematics
3-0-3

* Statistics
(I)
3-0-3

* Statistics
(II)
3-0-3
Calculus
0-4-2

Optional Courses : 其他類 (for two-year program)

◎Program
Design
3-0-3

◎Systems
Analysis and
Design
3-0-3

◎Data
Structures
3-0-3

○Managemen
t Theory
3-0-3

【2-1 課程流程圖】

PhD Program, Information Management

Curriculum flow chart (Lecture Hours-Labs Hours-Credits)

1st year		2nd year	
1st semester	2nd semester	1st semester	2nd semester
Common Compulsory Courses			
Research Methods in Information Management 3-0-3	Advanced Topics in Information Management(II) 0-2-1	Seminar(I) 2-0-2	Seminar (II) 2-0-2
Research Methods in Computer Science 3-0-3		Doctoral Dissertation 3-0-3	Doctoral Dissertation 3-0-3
Advanced Topics in Information Management (I) 0-2-1			
6-2-7	0-2-1	5-0-5	5-0-5
Common Optional Courses			
	Topic on software quality and risk management 3-0-3 System Planning and Management 3-0-3		Professional Ethics and Law 3-0-3
I.M. Professional Compulsory Courses			
	Qualitative Research Methodology 3-0-3		Quantitative Methods for Management 3-0-3
Professional Optional Courses			
Advanced Topics in Information Management 3-0-3 E-Business 3-0-3 Seminar on Global Logistics Management 3-0-3	Investment Information Management 3-0-3	Knowledge Management 3-0-3	Customer Relationship Management 3-0-3
I.T. Professional Compulsory Courses			
Professional Optional Courses			
Software Development methodology 3-0-3 Data Mining 3-0-3	Advanced Data Structure and Algorithm 3-0-3 Teaching and Learning of Programming Language 3-0-3 Seminar on Business Intelligence 3-0-3 Seminar on Medical Informatics 3-0-3 Special Topics on E-learning 3-0-3		Intelligent computation Study and Analysis 3-0-3
Total: the minimum credits: 36credits (Including thesis 6 credits)			

【2-1 課程流程圖】

Graduate School , Information Management

Curriculum flow chart (Lecture Hours-Labs Hours-Credits)

1st year		2nd year	
1st semester	2nd semester	1st semester	2nd semester
Compulsory Courses (20 credits in total) :			
Research Method 3-0-3	Foundation of Computer Science 3-0-3	Master Thesis 3-0-3	Master Thesis 3-0-3
Topics of Information Management (I) 0-2-1	Topics of Information Management (II) 0-2-1		
Management Theory and Practice 3-0-3	Management Information Systems 3-0-3		
6-2-7	6-2-7	3-0-3	3-0-3
Optional Courses (At Least 15 credits) :			
Planning & Management Type :			
Strategic Use of Information Systems 3-0-3	Design and Management of Information System 3-0-3		
Seminar on Global Logistics Management 3-0-3	Customer Relationship Management 3-0-3	Knowledge Management 3-0-3	
Project Management and Software Quality 3-0-3	Information Service Management 3-0-3		
	Summer Advanced Internship Industry 0-6-3		
System Develop Type :			
Component-based Software Development Technique 3-0-3	Big Data Processing 3-0-3	Network and System Securities 3-0-3	
Data Management and Applications 3-0-3	Interaction Design and Thinking 3-0-3		Intelligent Computation Study and Analysis 3-0-3
World Wide Web System 3-0-3	Advanced Data Structures and Algorithm 3-0-3		
Document Engineering 3-0-3	Teaching and Learning of Programming Languages 3-0-3		
Data Mining 3-0-3	Seminar on Business Intelligence 3-0-3		
	Network Defense Techniques And Applications 3-0-3		
Information System Application Type :			
Neural Network in Business Application 3-0-3	Seminar (II) 3-0-3		Seminar on E-Commerce 3-0-3
Seminar (I) 3-0-3	Special Topics on E-learning 3-0-3		
E-Business 3-0-3	Investment Information Management 3-0-3		
	Seminar on Medical Informatics 3-0-3		
	Advanced Information Technology and Business Innovation 3-0-3		

【2-1 課程流程圖】

Qualitative Method Type :

Data Analysis
3-0-3

Decision Analysis
3-0-3

Soft Computing
and Its
Application
3-0-3

Professional Ethics and
Law
3-0-3

Qualitative Research
Methodology
3-0-3

Quantitative Methods for
Management
3-0-3

Total: the minimum credits: 35credits (Including thesis 6 credits)

Executive Master of Business Administration's Program

Curriculum flow chart (Lecture Hours-Labs Hours-Credits)

1st year		2nd year	
1st semester	2nd semester	1st semester	2nd semester
Common Professional Compulsory Courses(計 21Credits)			
Research Method 3-0-3	Data Management and Applications 3-0-3	Network Technology and Management 3-0-3	Master Thesis 3-0-3
Introduction to Service Science 3-0-3	Project Management 3-0-3	Master Thesis 3-0-3	
6-0-6	6-0-6	6-0-6	3-0-3
Common Professional Optional Courses			
Interaction Design and Thinking 3-0-3	Application of Statistic Method 3-0-3	Qualitative analysis methods and applications 3-0-3	Data Mining 3-0-3
knowledge management theory and application 3-0-3	Neural Network 3-0-3	Professional Ethics 3-0-3	
Management Information Systems 3-0-3			
Professional Optional Courses			
Strategic Use of Information Systems 3-0-3	Investment Information Management 3-0-3	Global Logistics Management 3-0-3	Customer Relationship Management 3-0-3
Programming and System Development 3-0-3	Information Resources Management 3-0-3	Application of information technology service management 3-0-3	Network and System Securities 3-0-3
	Web Developement and Applications 3-0-3	Service information management and decision support 3-0-3	
	Topics in Electronic Commerce 3-0-3		
Professional Optional Courses			
Digital Content Management 3-0-3	Theories of E-learning 3-0-3	E-Learning Design and Applications 3-0-3	Digital Testing and Assessment 3-0-3
	Digital Evidence and Computer Forensics 3-0-3		
其他類 Optional Courses			
36 Credits			

【2-1 課程流程圖】

Executive E-learning Master of Business Administration's Program

Curriculum flow chart (Lecture Hours-Labs Hours-Credits)

1st year		2nd year	
1st semester	2nd semester	1st semester	2nd semester
Common Professional Compulsory Courses(計 21Credits)			
Research Method 3-0-3	Data Management and Applications 3-0-3	Network Technology and Management 3-0-3	Master Thesis 3-0-3
Introduction to Service Science 3-0-3	Project Management 3-0-3	Master Thesis 3-0-3	
6-0-6	6-0-6	6-0-6	3-0-3
Common Professional Optional Courses			
Interaction Design and Thinking 3-0-3	Application of Statistic Method 3-0-3	Qualitative analysis methods and applications 3-0-3	Data Mining 3-0-3
knowledge management theory and application 3-0-3	Neural Network 3-0-3	Professional Ethics 3-0-3	
Management Information Systems 3-0-3	Quantitative Research and Design 3-0-3		
Professional Optional Courses			
Strategic Use of Information Systems 3-0-3	Investment Information Management 3-0-3	Global Logistics Management 3-0-3	Customer Relationship Management 3-0-3
Programming and System Development 3-0-3	Information Resources Management 3-0-3	Application of information technology service management 3-0-3	Network and System Securities 3-0-3
Network Defense Techniques And Applications 3-0-3	Web Developement and Applications 3-0-3	Service information management and decision support 3-0-3	
	Topics in Electronic Commerce 3-0-3	Study on Digital Technology Instruction 3-0-3	
Optional Courses			
◎Management Information Systems 3-0-3			
Total : 36 Credits			