



Department of Computer Science and Information Engineering(Evening Bachelor Degree)  
115 Academic Year Freshman Course Planning Table

School Compulsory Courses		20 Credits		
Field	Course Name	credit	Grade	
Fundamental courses (10)	Foreign Language (Q)	English (I)	4	1 <sup>st</sup> year
		optional foreign language for sophomore year	4	2nd year
	Ability of Expressing in Spoken and Written Chinese	Ability of Expressing in Spoken and Written Chinese	2	1 <sup>st</sup> year
General Education & Core Courses (10)	humanities	Classics in World Literature (L)	2	Each part from categories only can take up to 2 subjects for 4 credits.
		History and Culture(P)		
		Philosophy and Religion (V)		
		Arts Appreciation and Invention (M)		
	Society and Culture	Global Outlook (T)	2	
		Futures Studies (R)		
		Social Analysis (W)		
		Civil Society and Participation (S)		
	Scientific Inquiry	Information & Computer Education (O)	2	
		Global Technology Revolution (Z)		
		Natural Sciences (U)		

Department Elective Courses		20 Credits	
Course Name	credit	Grade	
Knowledge Commerce	3	3rd year	
Personal Communication Systems	3	3rd year	
Statistics	3	3rd year	
Wireless Lans and Pans	3	3rd year	
Introduction Of Wireless Lan	3	3rd year	
Wireless Local Area Networks	3	3rd year	
Introduction to E-Business	3	3rd year	
Introduction to Machine Learning	3	3rd year	
Introduction to Deep Learning	3	3rd year	
Engineering Mathematics	3	3rd year	
Assembly Language and System Programs	3	3rd year	
Compilers	3	3rd year	
Virtualization Technology	3	3rd year	
Advanced C Programming	3	3rd year	
Mobile Device Programming	3	3rd year	
Formal Languages & Automata Theory	3	4th year	
Cloud Computing	3	4th year	
Multimedia Processing Technology	3	4th year	
Object-Oriented Software Engineering	3	4th year	
Software Project Management	3	4th year	
Wireless Network Security	3	4th year	
Data Mining	3	4th year	
Management Information System	3	4th year	
Network Security	3	4th year	
Network Programming	3	4th year	
Image Processing	3	4th year	
Big Data Analytic Techniques	3	4th year	
Introduction To Internet of Things *	3	4th year	
Practical Data Science on Python	3	4th year	
Security of The Internet of Things	3	4th year	
Digital Image Processing Project	3	4th year	
Introduction to Deep Computing In Artificial Intelligence	3	4th year	
Data Compression	3	4th year	
Fintech Security	3	4th year	
Computer and Network Security	3	4th year	
Introduction to Artificial Intelligence and Expert Systems	3	4th year	
Decision Support Systems	3	4th year	
Software Development and Project Management	3	4th year	
System Analysis and Design	3	4th year	
Java Programming	3	4th year	
Advanced Computer Programming	3	4th year	
Workshop Of Enterprise System Development	3	4th year	
Mobile Communications Security	3	4th year	
Enterprise Information System	3	4th year	
Introduction to Information Security	3	4th year	

Department Compulsory Courses		66 credits	
Course Name	credit	Grade	
Introduction to Computers	3	1 <sup>st</sup> year	
Introduction to Computer Network	3	1 <sup>st</sup> year	
Computer Programming(I)	3	1 <sup>st</sup> year	
Computer Programming(II)	3	1 <sup>st</sup> year	
Static Web Design	3	1 <sup>st</sup> year	
Javascript Web Design	3	1 <sup>st</sup> year	
Open Source Practice	3	1 <sup>st</sup> year	
Probability and Statistics	3	1 <sup>st</sup> year	
Database	3	2nd year	
Data Structure & Processing	3	2nd year	
Mobile Device Programming I	3	2nd year	
Mobile Device Programming li	3	2nd year	
Web Programming I	3	2nd year	
Web Programming li	3	2nd year	
Data Analysis I	3	2nd year	
Data Analysis li	3	2nd year	
Algorithms	3	3rd year	
Operating Systems	3	3rd year	
Data Visualization	3	3rd year	
Introduction to Artificial Intelligence	3	3rd year	
Special Project I	3	3rd year	
Special Project li	3	3rd year	

© The department elective courses are mainly based on the courses offered in the current semester. The above list is for reference only. °

- ( 1 ) Total credits of compulsory subjects: 86 credits (including 24 credits of general education courses)
- ( 2 ) Minimum total number of credits required for elective courses in this department: 20 credits.
- ( 3 ) Total credits of other elective courses: 22 credits
- ( 4 ) Programming Examination
- Total credits for graduation: 128 credits