Туре		Course Name		Credits I Sem II Sem		Remarks		
University Required Courses (30 Credits)		College Chinese		2				
		College English		8		Students who did not pass the English Proficiency Exam in the university's standard should take "Advanced English" course, which is lectured by language center		
		General Education	Core	0-12		Choose 4 fields among 6 fields and take 1 course in each selected field.		
			Elective			At least 2 credits in Social Sciences and humanities respectively and the maximum is 10 credits		
			Total					
		Physical Education		0		6 semesters required		
		Student Service				2 semesters required, can be replaced by "Service Learning"		
		Conduct		0		Must pass every semesters		
Department Required Courses (52 credits)	Fundament al Required Course (30 credits)	General Physics	3	3				
		Calculus (I 、 II)		3	3			
		Introduction to Programming I ( CS1355)		3				
		Introduction to Programming II ( CS1356)		3				
		Data Structures( EECS2040)		3				
		Linear Algebra ( EECS2050)		3				
		Probability( EECS3030)		3				
		Discrete Mathematics (EECS2060)		3				
	Core Required Courses (22 credits)	Logic Design ( EECS1010)		3				
		Logic Design Lab. ( EECS2070)		3				
		Software Lab. (CS2410)		3				
		Computer Architecture ( CS4100)		3				
		Design and Analysis of Algorithms (CS4311)		3				
		Operating Syste	Systems(CS3423)					
		System Integration Implementation I (CS3901)		2				
		System Integration Implementation II (CS3902)		2				

Professional Elective Courses (36 credits)		<ol> <li>All students should choose one course in each category at least (take five courses)</li> <li>Students in ECS group (甲) should choose three courses in cat. A or cat. B at least.</li> <li>Students in AI group (丙) should choose two courses in cat. D at least.</li> </ol>	15	Cat. A	Cat. B	Cat. C	Cat. D		
	Elective Courses for Breadth and Depth Requirements			Ordinary Differential Equations (EECS2030) Signal and Systems (CS2505) Scientific Computing (CS3330) Formal Language (CS3371)	Circuits and Electronics I (CS2100) Introduction to Integrated Circuit Design (CS3120) Introduction to Embedded Systems (CS4101) Compiler Design (CS3404) Digital System Design (EECS4010)	Introduction to Computer Networks (EECS3020 ) Software Engineering (CS4461) Cryptography and Network Security (CS3305) Introduction to parallel computing (CS4111)	Introduction to Database Systems (CS4710) Introduction to Artificial Intelligence (CS4601) Introduction to Multimedia (CS3570) Introduction to machine learning (CS4602)		
	EECS Professional Electives			Please consult with advisor about related professional field(Courses No. with EE $\ CS \ SA \ COM$ )					
Other Electives (10 credits)				Please consult with advisor					
Minimum Credits for Bachelor Degree			128						
Notes	2. There will be	o CS department courses ma 12 more total credits for Fo uing a Double Major in CS es"	ents. Please refer	to the Departme	nt Office for n				