A6-3-1 課程網頁國際化之建置－課程規劃

系所：資訊與通訊系

學程：學士

Department of Information and Communication Engineering

Undergraduate Course Requirement

(For the four year students of day's division admitted in 2008 academic year)

Code	Core courses	Credit	Year	Semester
FC1001	Calculus(I)	3	1	1
FC1002	Calculus(II)	3	1	2
FC1003	Physics	3	1	1
FC1004	Introduction to Computers	3	1	1
FC1005	Introduction to Networks and Communications	3	1	1
FC1006	Computer Programming	3	1	2
FC1007	Discrete Mathematics	3	1	2
FC1008	Advanced Computer Programming	3	1	2
FC1009	Digital Logic Design	3	1	2
FC2001	Engineering Math	3	2	1
FC2002	Computer Networks	3	2	2
FC2003	Electronic Circuits(I)	3	2	1
FC2004	Electronic Circuits(II)	3	2	2
FC2005	Data Structure	3	2	1
FC2006	Information and Communication Ability	0	2	1
FC2007	Linear Algebra	3	2	2
FC2009	Microprocessor System	3	2	2
FC2104	Database Systems	3	3	2
FC3001	Special Project (I)	1	3	1
FC3002	Special Project (II)	1	3	2
FC3004	Communication System	3	3	1
FC4001	Special Project (III)	1	4	1
	Technology English Reading	2	3	1
	Technology English Writing	1	3	2
	Total：	60		
Code	**Elective courses**	**Credit**		
FC1101	Linux/Unix	3	1	2
FC1102	Introduction to Multimedia	3	1	2
FC1103	Introduction to RFID	3	1	2
FC2008	Signals & Systems	3	2	1
FC2101	Windows Programming	3	2	1
FC2102	Object-Oriented Programming	3	2	1
FC2103	Network Application Programming	3	2	2
FC2201	Numerical Methods	3	2	1
FC2202	Fourier analysis	3	2	1

FC2203	Simulation and Analysis of Communication Systems	3	2	1
FC2204	Linear Electronic Circuits	3	2	2
FC2205	Complex Analysis	3	2	2
FC2206	Communication Application Programming	3	2	2
FC3003	Probabilities and Statistics	3	3	1
FC3004	Communication System	3	3	1
FC3101	Information Networks	3	3	1
FC3102	Database Programming	3	3	1
FC3103	Neural Networks and Its Applications	3	3	1
FC3104	Artificial Intelligent	3	3	1
FC3105	Distributed Information Systems	3	3	2
FC3106	Fuzzy Theory	3	3	2
FC3107	Combinatorial Math	3	3	2
FC3108	Introduction to Algorithms	3	3	2
FC3109	Introduction to Operating Systems	3	3	2
FC3201	Electromagnetic	3	3	1
FC3202	RF Circuit Design	3	3	1
FC3203	Introduction to Digital Signal Processing	3	3	1
FC3204	Digital Communication Techniques	3	3	2
FC3205	Telecommunication Networks	3	3	2
FC3206	Coding Theory	3	3	2
FC3301	Computer Software Application	3	3	1
FC3302	Digital Image Processing	3	3	2
FC4101	High Speed Broadband Networks	3	4	1
FC4102	Introduction to Queuing Theory	3	4	1
FC4103	Information Security	3	4	1
FC4104	Wireless Networking	3	4	1
FC4105	Network Voice Phones	3	4	1
FC4106	Network Performance Analysis	3	4	1
FC4107	Multimedia Transmission	3	4	2
FC4108	Introduction to Cryptography	3	4	2
FC4109	Mobile Computing Technologies	3	4	2
FC4110	Theories of Random Process	3	4	2
FC4111	Advanced Networks	3	4	2
FC4112	Network Programming	3	4	2
FC4113	Network Protocols	3	4	2
FC4114	Broadband Network Technologies	3	4	2
FC4201	Mobile Communication Technologies	3	4	1
FC4202	Spread Spectrum Communication Technologies	3	4	1
FC4203	Theories of Error Control Coding	3	4	1
FC4204	System On Chip	3	4	1
FC4205	Sensor Network Technologies	3	4	1
FC4206	Advanced Digital Communication Systems	3	4	2
FC4207	Digital Filters	3	4	2
FC4208	Wireless communication Technologies	3	4	2

FC4209	Adaptive Signal Analysis and Processing	3	4	2
FC4210	Radio Frequency Circuit Analysis	3	4	2
FC4301	VLSI Design	3	4	1
FC4302	Cross-Layer Protocols Design	3	4	2
FC4303	Embedded System Overview	3	4	2
	Employment and Learning in Information Industry	2	4	2
	Total：	128		

University Requirements	17 courses 30 credits
Core courses	24 courses 60 credits
Elective courses	Minimum elective 30 credits
Total requirement	elective 25 credits 128credits