

Curriculum

Classification	Subject No.	Subject Name	Lecture:Lab: Credit (Homework)	Semester	Remark
Mandatory Major Course	SEP701	Software Development Project (1)	1:15:6(20)	Spring	
	SEP702	Software Development Project (2)	1:15:6(20)	Fall	
Elective Major Course (Select 3 or more out of 5)	SEP521	Principles of Software Engineering	3:1:3(5)	Spring	*CS550
	SEP541	Information Systems for e-Business	3:0:3(6)	Summer	
	SEP561	Embedded Computing	2:3:3(6)	Spring	
	SEP562	Embedded System Software	3:0:3(6)	Spring	
	SEP581	Software Project Management and Professional Practice	3:0:3(5)	Fall	
	SEP582	IT Organization and Leadership	3:0:3(5)	Fall	*IE526
	SEP583	Industrial Applications of Information Technology and Software Industry	3:0:3(5)	Fall	
Elective Course	SEP501	Computing System Overview	3:0:3(6)	Spring	
	SEP502	Software System Overview	3:0:3(6)	Spring	
	SEP522	Requirement Engineering	3:1:3(5)	Fall	*IE652
	SEP523	Software Design	3:1:3(8)	Fall	
	SEP524	Software Quality Assurance	3:1:3(6)	Fall	
	SEP525	Software Process	3:0:3(6)	Summer	
	SEP531	Information Retrieval	3:1:3(6)	Fall	
	SEP532	Machine learning and Data Mining	3:1:3(6)	Fall	
	SEP533	Representation of knowledge and Semantics	3:1:3(6)	Fall	
	SEP542	Enterprise System Integration	3:0:3(8)	Fall	
	SEP543	Computing Security	3:0:3(3)	Spring	*CS544
	SEP544	Internet Service and Infra	3:0:3(10)	Fall	*CS542
	SEP545	Database Design	3:0:3(6)	Fall	*CS562
	SEP547	IT Service Engineering	3:0:3(6)	Fall	
	SEP564	Embedded Operating Systems	3:0:3(6)	Summer	
	SEP565	Mobile Embedded Software	3:0:3(6)	Fall	
	SEP567	Digital Broadcasting and Understanding of Home Network	3:0:3(5)	Fall	
	SEP583	Industrial Applications of Information Technology and Software Industry	3:0:3(5)	Summer	
Research	SEP965	Independent Study	0:6:1	Spring or	
	SEP966	Seminar(Master)	1:0:1	Fall	

※ Note: * stands for substitutable courses