

Table of Curriculum

Classification	Course No.	Computer Code	Course Name	Lecture; Lab.; Credit (Assignment)	Semester	Note
Mandatory Major Course	SEP701	79.701	Software Development Project(1)	1:15:6(20)	Spring	
	SEP702	79.702	Software Development Project(2)	1:15:6(20)	Fall	
Elective Mandatory (at least 2 courses)	SEP521	79.521	Principles of Software Engineering	3:1:3(5)	Spring	
	SEP561	79.561	Embedded Computing	2:3:3(6)	Spring	
	SEP562	79.562	Embedded System Software	3:0:3(6)	Spring	
	SEP581	79.581	Project Management and Professional Practice	3:0:3(5)	Fall	
	SEP582	79.582	IT Organization and Leadership	3:0:3(5)	Fall	
	SEP583	79.583	Software Industry and Ecosystem	3:0:3(5)	Fall	
Elective Courses	SEP501	79.501	Computing System Overview	3:0:3(6)	Spring	
	SEP502	79.502	Software System Overview	3:0:3(6)	Spring	
	SEP522	79.522	Requirements Engineering	3:1:3(5)	Summer or Fall	
	SEP523	79.523	Software Design	3:1:3(8)	Fall	
	SEP524	79.524	Software Quality Assurance	3:1:3(6)	Fall	
	SEP525	79.525	Software Process	3:0:3(6)	Summer or Fall	
	SEP526	79.526	Software Product Line Engineering	3:1:3(8)	Fall	
	SEP527	79.527	Mobile Software Development	3:0:3(6)	Spring	◎
	SEP531	79.531	Information Retrieval	3:1:3(6)	Fall	◎
	SEP532	79.532	Machine Learning and Data Mining	3:1:3(6)	Fall	◎
	SEP533	79.533	Representation of Knowledge and Semantics	3:1:3(6)	Fall	◎
	SEP542	79.542	Enterprise System Integration	3:0:3(8)	Fall	
	SEP543	79.543	Computing Security	3:0:3(3)	Spring	◎
	SEP544	79.544	Internet Service and Infra	3:0:3(10)	Fall	
	SEP545	79.545	Database Design	3:1:3(6)	Fall	◎
	SEP547	79.547	IT Service Engineering	3:1:3(6)	Spring	
	SEP564	79.564	Embedded Operating System	3:0:3(6)	Fall	
	SEP565	79.565	Mobile Software	3:0:3(6)	Fall	
	SEP584	79.584	Management of Software Business	3:0:3(6)	Summer	◎
	SEP592	79.592	Special Topics in Software	3:0:3(6)	Fall	
Research	SEP965	79.965	Independent Study in Master	0:6:1	Spring, Fall	
	SEP966	79.966	Seminar(Master)	1:0:1	Spring, Fall	

◎: Course mutually recognized by undergraduate and graduate programs

※ Course classification, course title, and mutual recognition of credits may differ according to the effective year of the requirements.

Substitute Course List

Substitute courses offered by other departments					
Category	Courses offered by the department		Courses offered by other departments		
	Course no.	Course title	Course no.	Course title	Remark
Master	SEP521	Principles of Software Engineering	CS550	Software Engineering	Substitution
Master	SEP544	Internet Service and Infra	CS542	Internet Service and Infra	Substitution
Master	SEP545	Database Design	CS562	Database Design	Substitution
Master	SEP547	IT Service Engineering	IE451	IT Service Engineering	Substitution
Master	SEP584	Management of Software Business	CC530	Entrepreneurship and business strategies	Substitution