

PROGRAMMES FOR SOFTWARE ENGINEERING

(Issued with Decision No 161/QD/DHFPT on November 10, 2009)

Phase	Courses	No of weeks	No of slots	Credits	Courses	No of weeks	No of slots	Credits	Courses	No of weeks	No of slots	Credits	Courses	No of weeks	No of slots	Credits				
Preparation	Preparation term 1				Preparation term 2				Preparation term 3											
	Orientation	2																		
	Specific Collective Training	4			General English (one of the levels 2/3/4/5)	8	140		General English (one of the levels 4/5)	8	140									
	General English (one of the levels 1/2/3/4/5)	8	70		General English (one of the levels 3/4/5)	8	140		General English level 5	8	140									
Foundation	Term 1				Term 2				Term 3				Term 4				Term 5			
	Advanced Mathematics 1	3	52	3	Advanced Mathematics 2	3	52	3	Introduction to Software Engineering	3	52	3	Applied Statistics and probability for Engineers	3	52	3	Software Requirement	4.5	40	2
	Introduction to computer sciences	3	52	3	Discrete mathematics	6	104	6	Data structures and Algorithms	3	52	3	Introduction to Databases	4.5	78	4	Human-Computer Interaction		40	2
	Programming Fundamentals (with C)	6	78	3	Object-Oriented Paradigm (C++)	3	52	3	Operating Systems and Networking	6	78	4	.NET&C#	4.5	78	4	Software Quality and Testing	3	52	3

Business Communication	6	26	1	Primary Japanese 2	13	78	4	Working in groups	6	26	1	Primary Japanese 4	13	78	4	Java Application development	4.5	78	4
Primary Japanese 1	13	78	4	Business English 2	13	52	2	Primary Japanese 3	13	78	4	Business English 4	13	52	2	Primary Japanese 5	13	78	4
Business English 1	13	52	2	Vovinam 2			2	Business English 3	13	52	2					Project	13	52	2
Vovinam 1			2					Vovinam 3			2								
			18				20				19				17				17

On-The Job-Training	OJT Term									
	Ethics in Information technology		52	3	Software Construction	13	52	3		
	Internship	15	##	5	Internship	15	600	5		
				8				8		

Degree Completion	Term 6			Term 7			Term 8					
	Software Architecture and Design	3	52	3	Information technology Project Management	3	52	3	SW Enterprenship	3	52	3
	Applications in Enterprises	3	52	3	Job-oriented Elective	4	72	4	Specialized elective	3	52	3
	Specialized elective 1	3	52	3	Specialized elective	3	52	3	General elective	3	52	3
	Specialized elective 2	3	52	3	Human-Social Science 2	2	32	2	Human-Social Science 3	3	52	3
	Human-Social Science 1	12	72	5	Capstone Project 1	12	120	5	Capstone Project 2	12	120	5
			17				17				17	