

# Computer Engineering (Minor in Software) Course Plan

## University of Isfahan

		Semester 1		Semester 2		Semester 3		Semester 4	
Course Title		General Mathematics I		General Mathematics II		Differential Equations		Machine Languages and System Programming	
Course No.	Pre-requisites	1814446	-	1814444	1814446	1814453	1814444	3612026	3614043
Course Title		Mechanical Physics		Electrophysics and Magnetism		Engineering Probability and Statistics		Electronic Circuits	
Course No.	Pre-requisites	1822548	-	1822358	-	3614046	1814446	3612054	3612060
Course Title		Physical Education I		Electrophysics and Magnetism Lab		Theory of Languages and Machines		Desiging Algorithms	
Course No.	Pre-requisites	1312557	-	1822512	-	3614036	3614045	3620015	3614043
Course Title		Computer Basics		Advanced Programming I		Data Structures		Data Storage and Retrieve	
Course No.	Pre-requisites	3614041	-	3614045	3614041	3614043	3614045, 3614041	3614051	3614043
Course Title		Computer Basics Lab		Discrete Mathematics		Public Workshop		Circuits and Electrical Measurement Lab	
Course No.	Pre-requisites	3614026	-	3614041	3614041	1822484	-	2012178	3612060, 1822512
Course Title		General English Language		Islamic Ethics		Specialized Language		Islamic Thoughts	
Course No.	Pre-requisites	1716524	-	2822072	-	3614027	3614045, 1716524	2822076	-
Course Title		The History of Islamic Culture and Civilization		General Persian		Thematic Interpretation of Qu'ran		Technical and Scientific Contents Prenestations Method	
Course No.	Pre-requisites	2822069	-	1212317	-	2822027	-	3614028	3614027 , 3614036
Course Title				Physical Education II		Electerical Circuits			
Course No.	Pre-requisites			1312559	1312557	3612060	1822358, 1814453		
		Semester 5		Semester 6		Semester 7		Semester 8	
Course Title		Logic Circuits		Database Design Principles		Operating Systems		Software Project	
Course No.	Pre-requisites	3612055	3614041	3614050	3614051	3614035	3614024	3614009	3614028, 3620015
Course Title		Electronic Lab		Computer Architecture I		Microprocessors I		Microprocessor Lab I	
Course No.	Pre-requisites	3612054	2012177, 2012178	3614024	3612055, 3612026	3614034	3614024	3614038	3614034
Course Title		Programming Languages Design and Implementation		Software Engineering I		Computer Networks		Operating Systems Lab	
Course No.	Pre-requisites	3614003	3612026, 3614043	3614048	3614094	3614037	-	3614007	3614035
Course Title		Humans in Islam		Compiler Design Principles		Computer Architecture Lab		*Optional Course	
Course No.	Pre-requisites	2822071	-	3614047	3614003, 3612026	3614030	3614024		
Course Title		Engineering Mathematics		Logic Circuits Lab		Database Lab		*Optional Course	
Course No.	Pre-requisites	3614044	1814444, 1814453	3612061	3612054, 3612055	3614008	3614050		
Course Title		Object-Oriented Analysis and Design		Islamic Revoloution of Iran		Software Apprenticeship			
Course No.	Pre-requisites	3614094	3614051	2822074	-	3614115	-		
Course Title		Artificial Intelligence		Family and Population Knowledge		*Optional Course			
Course No.	Pre-requisites	3614049	3620015	2822088	-				
Course Title				*Optional Course		*Optional Course			
Course No.	Pre-requisites								