

**COURSE PLANNING FOR BACHELOR OF COMPUTER SCIENCE (SOFTWARE ENGINEERING)**  
**ACADEMIC SESSION 2016/2017**

Level	Course Code	Semester 1	Credits		Course Code	Semester 2	Credits
1	GIG1001	The Islamic and Asian Civilization <i>(International students are exempted)</i>	2		GIG1003	Basic Entrepreneurship Culture	2
	GIG1002 / GIG1006	Ethnic Relations / Introduction to Malaysia <i>(For international student)</i>	2		GIG1004	Information Literacy	2
	WIX1001	Computing Mathematics I	3		GIG1005	Social Engagement	2
	WIX1002	Fundamentals of Programming	5		WIA1002	Data Structure (#WIX1002)	5
	WIX1003	Computer Systems and Organization	3		WIA1003	Computer System Architecture (#WIX1003)	3
	WIA1001	Information Systems	3		WIA1004	Fundamentals of Artificial Intelligence	3
					WIA1005	Network Technology Foundation	4
		Total	18			Total	21
Course Code	Semester 1	Credits		Course Code	Semester 2	Credits	
2		Co-Curriculum	2		GLTXXXX	English for Communication (2)	3
	GLTXXXX	English for Communication (1)	3		WIA2004	Operating Systems	4
	WIX2001	Thinking and Communication Skills	3		WIA2005	Algorithm Design and Analysis (#WIA1002)	4
	WIX2002	Project Management	3			Specialization Elective (1)	3
	WIA2001	Database	3			Specialization Elective (2)	3
	WIA2002	Software Modeling	3			Specialization Elective (3)	3
	WIA2003	Probability and Statistics	3				
		Total	20			Total	20
Course Code	Semester 1	Credits		Course Code	Semester 2	Credits	
3	WIA3001	Industrial Training *	12		WIA3002	Academic Project I **	3
						Specialization Elective (4)	3
						Specialization Elective (5)	3
						Specialization Elective (6)	3
						Specialization Elective (7)	3
						Faculty Elective (1)	3
		Total	12			Total	18
Course Code	Semester 1	Credits			Credit Distribution		
4	WIA3003	Academic Project II (#WIA3002)	5		Course Component	Credits	
		Specialization Elective (8)	3		University Courses	20	
		Specialization Elective (9)	3		Faculty Core Courses	17	
		Specialization Elective (10)	3		Faculty Elective Courses	6	
		Faculty Elective (2)	3		Programme Core Courses	55	
		External Faculty Elective	2		Specialization Elective Courses	30	
		Total	19			TOTAL CREDITS FOR GRADUATION	128

# Pre-requisite.  
 \* Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.  
 \*\* Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project II.