

Edition: **30**
Hours: **168**

Semester 1				
Course Code	Course Title	Prerequisite	Cr.Hr	Lab
4800130-4	General Physics-I		4	
4800140-4	Introduction to Mathematics		4	
4800170-6	English Language		6	
4800150-2	Computing Skills-I		2	
4800101-2	Panel Discussions		2	
Total Credit Hours =			18	0

Semester 3				
Course Code	Course Title	Prerequisite	Cr.Hr	Lab
1401102-3	Computer Programming		2	1
800201-3	Engineering Math I	4800102-4	3	0
601101-2	Islamic Culture I		2	0
605301-2	The Holy Quran I		2	0
102101-2	The Biography of Prophet Muhammad (pbuh)		2	0
501101-2	Arabic Language		2	0
Total Credit Hours =			14	1

Semester 5				
Course Code	Course Title	Prerequisite	Cr.Hr	Lab
1403271-4	Switching Theory	1403201-4	3	1
802321-3	Signal Analysis	800202-3	3	0
1403311-4	Electronics	403102-4	3	1
605301-2	The Holy Quran III	605201-2	2	0
601301-3	Islamic Culture III	601201-2	3	0
804343-3	Engineering Statistics and Probability Theory	800202-3	3	0
Total Credit Hours =			19	2

Semester 7				
Course Code	Course Title	Prerequisite	Cr.Hr	Lab
1403322-4	Computer Communication System	802321-3	4	0
1401218-4	Data Structures and Algorithms	1401105-3	2	2
804344-2	Engineering Economics		2	0
1401210-3	Discrete Structures		3	0
1403371-4	Advanced Logic Design	1403271-4	3	1
1403401-2	Seminar		2	0
Total Credit Hours =			19	2

Semester 9				
Course Code	Course Title	Prerequisite	Cr.Hr	Lab
1403450-4	Microcomputer System Design	1403489-4	3	1
1403364-3	Basics of Integrated Circuits Design	1403311-4	3	0
804345-2	Engineering Management	804344-2	2	0
1403499-4	Project		0	4
Total Credit Hours =			13	5

Three courses from the following electives

Electives				
Course Code	Course Title	Prerequisite	Cr.Hr	Lab
1403464-3	Design of Integrated Circuits	1403364-3	3	0
1403446-3	Mobile Computers	1403422-4	3	0
1403487-3	Process Control	1403450-4	3	0
1403476-3	Simulation and Modeling	1401218-4	3	0
1403490-3	Special Topics		3	0
1403480-3	Artificial Intelligence	1401218-4	3	0
1403421-3	Digital Signal Analysis	802321-3	3	0
		1403381-3		
1403478-3	Computer Vision	1401218-4	3	0
1403481-3	Neural Networks		3	0
Total Credit Hours =			27	0

Semester 2				
Course Code	Course Title	Prerequisite	Cr.Hr	Lab
4800141-4	Intro to Mathematics - II	4800140-4	4	
4800171-6	Technical English	4800170-6	6	
4800102-4	Learning Skills		4	
4800151-2	Computing Skills-II	4800150-2	2	
Total Credit Hours =			16	0

Semester 4				
Course Code	Course Title	Prerequisite	Cr.Hr	Lab
1403201-4	Circuit Theory	4800141-4	3	1
		4800130-4		
800202-3	Engineering Math II	800201-3	3	0
1401104-3	Structured Programming	1401102-3	2	1
403102-4	General Physics II	4800130-4	3	1
601201-2	Islamic Culture II	601101-2	2	0
605401-2	The Holy Quran II	605301-2	2	0
Total Credit Hours =			18	3

Semester 6				
Course Code	Course Title	Prerequisite	Cr.Hr	Lab
1401105-3	Advanced Programming	1401104-3	2	1
		800202-3		
1403381-3	Numerical Analysis	1401104-3	3	0
1403372-4	Computer Organization	1403271-4	3	1
		1403311-4		
601401-2	Islamic Culture IV	601301-3	2	0
1403312-4	Digital Electronic Systems & Circuits	1403311-4	3	1
605401-2	The Holy Quran IV	605301-2	2	0
1403300-2	Summer Training I*		2	0
Total Credit Hours =			20	3

*To be taken in Summer

Semester 8				
Course Code	Course Title	Prerequisite	Cr.Hr	Lab
1403422-4	Computer Networks	1403322-3	3	1
1403484-3	Databases	1401218-4	3	0
1403472-3	Computer Architecture	1403372-4	3	0
1401311-3	Operating Systems	1403372-4	3	0
1403489-4	Microprocessors	1403372-4	3	1
1403400-2	Summer Training II*		2	0
Total Credit Hours =			19	2

*To be taken in Summer

Semester 10				
Course Code	Course Title	Prerequisite	Cr.Hr	Lab
1401313-3	Software Engineering	1401218-4	3	0
Total Credit Hours =			3	0