

## First Year

### Semester 1

Course Name	Module Hours				Course Code
	L	T	P	C	
Arabic Language I	2	0	0	2	UR 111
English Language I	2	0	0	2	UR 112
Islamic Culture	2	0	0	2	UR 113
Mathematics I	3	2	0	4	FR 111
Physics I	2	2	2	4	FR 112
Introduction to Computers	2	0	2	3	CND 111
<b>Total</b>	<b>13</b>	<b>4</b>	<b>4</b>	<b>17</b>	<b>المجموع</b>

### Semester 2

Course Name	Module Hours				Course Code
	L	T	P	C.H	
Arabic Language II	2	0	0	2	UR 121
English Language II	2	0	0	2	UR 122
Mathematics II	3	2	0	4	FR 121
Physics II	2	2	2	4	FR 122
Engineering Drawing	2	0	3	3	FR 123
Principles of Electrical Engineering	3	1	2	4	CND 122
Programming Fundamentals	2	0	2	3	CND 121
<b>Total</b>	<b>16</b>	<b>5</b>	<b>9</b>	<b>22</b>	<b>المجموع</b>
<b>Total credit hours of the First Year =39CH</b>					

## Second Year

### Semester 1

Course Name	Module Hours				Course Code
	Lec	Tut	Lab	C.H	
Mathematics III	3	1	0	3	FR 213
Object Oriented Programming	2	1	2	3	CND 211
Electrcal Circuit Analysis	2	1	2	3	CND 213
Digital and Logic Design	2	1	2	3	CND 214
Probability and Statistics	2	2	0	3	FR 212
Data Structures and Algorithms	2	0	2	3	CND 215
<b>Total</b>	<b>14</b>	<b>4</b>	<b>8</b>	<b>18</b>	

## Semester 2

Course Name	Module Hours				Course Code
	Lec	Tut	Lab	C.H	
Technical English	3	0	0	3	FR 211
Discrete Mathematics	3	2	0	4	FR 222
Electronic Devices and Circuits	2	1	2	3	CND 221
Operating Systems	2	1	2	3	CND 222
Microprocessors and Interfacing	2	1	2	3	CND 223
Principles of Data Communication	2	1	2	3	
<b>Total credit hours</b>	<b>14</b>	<b>6</b>	<b>10</b>	<b>19</b>	
<b>Total credit hours of the 2<sup>nd</sup> Year =37 CH</b>					

## Third Year

### Semester 1

Course Name	Module Hours				Course Code
	Lec	Tut	Lab	C.H	
Numerical Analysis	3	0	2	4	FR 221
Internet Technologies	2	0	2	3	CND 311
Database Systems and Information Retrieval	2	1	2	3	CND 312
Computer Organization	2	1	2	3	CND 313
Distributed Systems I	2	1	2	3	CND 314
Fundamentals of Computer Networks	2	1	2	3	CND 315
<b>Total credit hours</b>	<b>12</b>	<b>6</b>	<b>10</b>	<b>19</b>	

### Semester 2

Course Name	Module Hours				Course Code
	Lec	Tut	Lab	C.H	
Signals and Systems	2	0	2	3	CND 326
TCP/ IP Programming	2	0	2	3	CND 321
Data and Network Security	2	0	2	3	CND 322
VLSI Design	2	1	2	3	CND 323
Computer Architecture	2	1	2	3	CND 324
Network Operating Systems	2	0	2	3	CND 325
<b>Total credit hours</b>	<b>12</b>	<b>2</b>	<b>12</b>	<b>18</b>	
<b>Total credit hours of the 3<sup>rd</sup> Year =37 CH</b>					

## Fourth Year

### Semester 1

Course Name	Module Hours				Course Code
	Lec	Tut	Lab	C.H	
Embedded System I	2	0	2	3	CND 411
Distributed System II	2	1	2	3	CND 412
Wireless Networks and Mobile Communication	2	0	2	3	CND 413
Enterprise Networks Analysis and Design	2	1	2	3	CND 414
Parallel Computing	2	0	2	3	CND 415
Simulation and Modeling	2	0	2	3	CND 416
<b>Total credit hours</b>	<b>12</b>	<b>2</b>	<b>12</b>	<b>18</b>	

### Semester 2

Course Name	Module Hours				Course Code
	Lec	Tut	Lab	C.H	
WAN and High Speed Networks	2	0	2	3	CND 421
System and Network Administration	2	0	2	3	CND 422
Embedded Systems II	2	0	2	3	CND 423
Management and Economics	2	1	0	2	FR 521
Soft Computing	2	0	2	3	CND 424
Elective(1)	3	0	0	3	
<b>Total credit hours</b>	<b>13</b>	<b>1</b>	<b>8</b>	<b>17</b>	
<b>Total credit hours of the 4<sup>th</sup> Year =35CH</b>					

## Fifth Year

### Semester 1

Course Name	Module Hours				Course Code
	Lec	Tut	Lab	C.H	
Real-time Systems	2	0	2	3	CND 511
Computer Ethics and Society	2	0	0	2	CND 512
Elective(2)	3	0	0	3	
Graduation Project I	0	0	5	2	CND 511
<b>Total credit hours</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>10</b>	

### Semester 2

Course Name	Module Hours				Course Code
	Lec	Tut	Lab	C.H	
Graduation Project II	0	0	7	3	CND 521
Industrial training	0	0	12	6	CND 522
<b>Total credit hours</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>9</b>	
<b>Total credit hours of the 5<sup>th</sup> Year =19 CH</b>					