

COURSE	TITLE	LT	LB	CR	COURSE	TITLE	LT	LB	CR		
<b>First Year (Preparatory)</b>											
ENGL	001	Preparatory English I	15	5	8	ENGL	002	Preparatory English II	15	5	8
MATH	001	Preparatory Math I	3	2	4	MATH	002	Preparatory Math II	3	2	4
PREP	001	University Study Skills	2	0	2	PREP	004	Introd. to Engineering	0	2	1
PREP	002	Prep. Natural Sciences	0	2	1	PREP	003	Introd. to PC App.	0	2	1
PE	001	Prep Physical Educ I	0	2	1	PE	002	Prep Physical Educ II	0	2	1
			<b>20</b>	<b>11</b>	<b>16</b>				<b>18</b>	<b>13</b>	<b>17</b>
<b>Total credit required in preparatory program: 31</b>											
<b>Second Year (Freshman)</b>											
MATH	101	Calculus I	4	0	4	MATH	102	Calculus II	4	0	4
PHYS	101	General Physics I	3	3	4	PHYS	102	General Physics	3	3	4
ENGL	101	English Composition I	3	0	3	ENGL	102	English Composition II	3	0	3
CHEM	101	General Chemistry I	3	4	4	ICS	102	Introduction to Computing	2	3	3
PE	101	Physical Education I	0	2	1	IAS	111	Belief and its Consequences	2	0	2
						PE	102	Physical Education II	0	2	1
			<b>13</b>	<b>9</b>	<b>16</b>				<b>14</b>	<b>8</b>	<b>17</b>
<b>Third Year (Sophomore)</b>											
ICS	201	Introduction to Computer Science	3	3	4	ICS	202	Data Structure	3	3	4
ICS	252	Discrete Structures I	3	0	3	SWE	214	Introduction to SW Engineering	3	3	4
COE	200	Fundamentals Of Computer Engineering	3	3	4	ICS	232	Computer Organization and Assembly Language	3	3	4
MATH	201	Calculus III	3	0	3	MATH	260	Linear Algebra and Differential Equations	3	0	3
IAS	101	Practical Writing	2	0	2	IAS	211	Ethics in Islam	2	0	2
ENGL	214	Technical Rep. Writing	3	0	3						
			<b>17</b>	<b>6</b>	<b>19</b>				<b>14</b>	<b>9</b>	<b>17</b>
<b>Fourth Year (Junior)</b>											
ICS	313	Programming Languages	3	0	3	SWE	312	User Interface Design	3	0	3
ICS	353	Design and Analysis of Algorithms	3	0	3	SWE	316	Software Architecture and Design	3	0	3
ICS	334	Database Systems	3	3	4	SWE	244	Internet Protocols and Client-Server Programming	2	3	3
STAT	319	Probability and Statistics for Engineers	2	3	3	ICS	431	Operating Systems	3	3	4
IAS	201	Objective Writing	2	0	2	IAS	311	Islamic Shareah	2	0	2
XE	Xxx	(Elective I)	3	0	3	SWE	3xx	(SWE/ICS Elective I)	3	0	3
			<b>16</b>	<b>6</b>	<b>18</b>				<b>16</b>	<b>6</b>	<b>18</b>
<b>Summer Session</b>						SWE	350	Coop Work	0	0	0
<b>Fifth Year (Senior)</b>											
SWE	351	Coop Work (continued)	0	0	6	SWE	415	S.W. Testing and Q.A.	3	0	3
						XE	Xxx	Elective II	3	0	3
						SWE	444	Internet and Web Ap. Dev.	3	0	3
						ECON	403	Engg. Economics	3	0	3
						SWE	4xx	(SWE/ICS Elective II)	3	0	3
						IAS	301	Style of Literature	2	0	2
			<b>0</b>	<b>0</b>	<b>6</b>				<b>17</b>	<b>0</b>	<b>17</b>
<b>Total credits required in Degree Program: 131</b>											