

Course		Title	LT	LB	CR	Course		Title	LT	LB	CR
First Year (Preparatory)											
ENGL	01-x	Preparatory English I (First Quarter)	15	5	4	ENGL	03-x	Prep. English III (Third Quarter)	15	5	4
ENGL	02-x	Preparatory English II (Second Quarter)			4	ENGL	04-x	Pre. English IV (Fourth Quarter)			4
MATH	001	Prep. Math 1	3	1	4	MATH	002	Prep. Math II	3	1	4
PYP	001	Pre. Physical Science	2	0	2	PYP	002	Prep. Computer Science	0	2	1
PYP	003	University Study Skills	0	2	1	PE	004	Prep. Eng. Technology	0	2	1
PE	001	Prep. Health and Physical Edu. I	0	2	1	PE	002	Prep. Health and Physical Edu. II	0	2	1
			20	10	16				18	12	15
Total Credit required in Preparatory Program: 31											
Second Year (Freshman)											
ENGL	101	Intro. To Academic Discourse	3	0	3	ENG	102	Intro. To Report Writing	3	0	3
IAS	121	Language Foundation	2	0	2	IAS	111	Belief & Its Consequences	2	0	2
ICS	104	Introduction to Programming in Python and C	2	3	3	ICS	108	Object Oriented Programming	3	3	4
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 Physic II	3	3	4
PE	101	Health and Physical Educ. I	0	2	1						
			14	8	17				15	6	17
Third Year (Sophomore)											
CHEM	101	Principles of Chemical Science I	3	3	4	COE	233	Digital Logic & Computer Organization	3	0	3
ICS	202	Data Structure & Algorithms	3	3	4	COE	292	Introduction to Artificial Intelligence	3	0	3
ISE	291	Introduction to Data Science	3	0	3	IAS	212	Ethics and Governance	2	0	2
MATH	201	Calculus III	3	0	3	ICS	253	Discrete Structures	3	0	3
SWE	206	Intro. to Software Engineering	2	3	3	MATH	208	Intro. to Diff. Eq.& Linear Algebra	3	0	3
						SWE	216	Requirements Engineering	3	0	3
			14	9	17				17	0	17
Fourth Year (Junior)											
ENGL	214	Academic & Professional Com.	3	0	3	BUS	200	Business & Entrepreneurship	3	0	3
ICS	321	Database Systems	3	0	3	CGS	392	Career Essentials	0	2	1
ICS	343	Fundamentals of Computer Networks	3	3	4	ICS	344	Information Security	3	0	3
STAT	319	Prob. And Stat. for Eng. & Scientists	3	2	3	SWE	326	Software Testing	3	0	3
SWE	316	Software Design & Construction	3	0	3	SWE	363	Web Eng. & Development	3	0	3
						SWE	387	Software Project Management	3	0	3
			15	5	16				15	2	16
Summer Training (0-0-1)											
Fifth Year (Senior)											
IAS	XXX	Islamic/Arabic Elective	2	0	2	GS	xxx	Global & Social Studies Elective	3	0	3
ICS/SWE	XXX	Major Elective I	3	0	3	ICS	433	Operating Systems	3	1	3
ICS/SWE	XXX	Major Elective II	3	0	3	ICS/SWE	XXX	Major Elective III	3	0	3
SWE	411	Software Engineering Project I	1	6	3	ICS/SWE	XXX	Major Elective IV	3	0	3
SWE	439	Software Quality Eng.	3	0	3	SWE	412	Software Engineering Project II	0	6	2
			12	6	14				12	7	14
Total credits required in Degree Program: 129											