

PREPARATORY YEAR												
First Semester						Second Semester						
			LT	LB	CR				LT	LB	CR	
ENGL	001	Preparatory English I	15	5	8	ENGL	002	Preparatory English II	15	5	8	
MATH	001	Preparatory Math I	3	1	4	MATH	002	Preparatory Math II	3	1	4	
PYP	001	Prep. Physical Sciences	2	0	2	PYP	002	Prep. Computer Sciences	0	2	1	
PYP	003	University Study Skills	0	2	1	ME	003	Prep. Eng. Technology	0	2	1	
PE	001	Prep. Health and Physical Educ. I	0	2	1	PE	002	Prep. Health and Physical Educ. II	0	2	1	
			20	10	16				18	12	15	
FIRST YEAR (Freshman)												
CHEM	101	General Chemistry I	3	4	4	ENGL	102	Intro to Report Writing	3	0	3	
ENGL	101	An Intro to Acad discourse	3	0	3	MATH	102	Calculus II	4	0	4	
MATH	101	Calculus I	4	0	4	PHYS	102	General Physics II	3	3	4	
PHYS	101	General Physics I	3	3	4	IAS	101	Practical Grammar	2	0	2	
IAS	111	Belief and its effects	2	0	2	ICS	103	Computer Programming in C	2	3	3	
PE	101	Health and Physical Educ. I	0	2	1	PE	102	Health and Physical Educ. II	0	2	1	
			15	9	18				14	8	17	
SECOND YEAR (Sophomore)												
ME	203	Thermodynamics I	3	0	3	ME	218	Intro. to Mech. Eng Design	1	3	2	
MATH	201	Calculus III	3	0	3	ME	201	Dynamics	3	0	3	
ME	210	ME Drawing & Graphics	2	3	3	ME	204	Thermodynamics II	3	0	3	
ME	216	Materials Science and Eng	3	0	3	MATH	202	Elem. Diff. Equations	3	0	3	
ME	217	Materials Science Lab	0	3	1	CE	203	Structural Mechanics I	3	0	3	
CE	201	Statics	3	0	3	EE	204	Fundamentals of Electrical Circuits	2	3	3	
						IAS	201	Writing for Profess Needs	2	0	2	
			14	6	16				17	6	19	
THIRD YEAR (Junior)												
ME	322	Manufacturing Processes	3	0	3		309	Mechanics of Machines	3	0	3	
ME	323	Manufacturing Lab	0	3	1	ME	308	Machine Design II	3	3	4	
ME	307	Machine Design I	3	0	3	ME	315	Heat Transfer	3	0	3	
ME	311	Fluid Mechanics	3	0	3	ME	316	Thermofluids Lab	0	3	1	
ENGL	214	Acad & Prof Communication	3	0	3	MATH	301	Methods of Applied Math.	3	0	3	
EE	306	Electromechanical Devices	2	3	3	IAS	301	Oral Communication Skills	2	0	2	
IAS	212	Professional Ethics	2	0	2							
			16	6	18				14	6	16	
ME 399 Summer Training										0	0	0
FOURTH YEAR (Senior)												
ME	413	Systems Dynamics & Control	2	3	3	ME	412	Senior Design Project II	0	6	2	
ME	451	Design and Analysis of Engineering Experiments	3	0	3	XE	4xx	Technical (Free) Elective I <i>Selected from ME Approved</i>	3	0	3	
ME	452	Measurements and Lab Project	0	3	1	XE	4xx	Technical (Free) Elective II <i>Selected from ME Approved</i>	3	0	3	
ME	411	Senior Design Project I	1	0	1	ME	4xx	ME Elective II	3	0	3	
ME	4xx	Senior Design Elective (ME Elective I)	3	0	3	IAS	322	Human Rights in Islam	2	0	2	
GS	xxx	General Studies Elective. I	3	0	3	GS	xxx	General Studies Elective II	3	0	3	
			12	6	14				14	6	16	
Total Credits Required: 134												
<i>Note: One summer must be spent in industry after either the sophomore or the junior year.</i>												