

Degree Plan in English (Summer Training Option)

COURSE	TITLE	LT	LB	CR	COURSE	TITLE	LT	LB	CR
Preparatory Year									
ENGL 01-xx	Prep. English I (First Quarter)	15	5	4	ENGL 03-xx	Prep. English III (Third Quarter)	15	5	4
ENGL 02-xx	Prep. English II (Second Quarter)			4	ENGL 04-xx	Prep. English IV (Fourth Quarter)			4
MATH 001	Prep. Math I	3	1	4	MATH 002	Prep. Math II	3	1	4
PYP 001	Prep. Physical Science	2	0	2	PYP 002	Prep. Computer Science	0	2	1
PYP 003	University Study Skills	0	2	1	PYP 004	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)									
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 II	3	3	4
CHEM 101	Principles of Chemical Science I	3	3	4	ENGL 102	Intro to Report Writing	3	0	3
ENGL 101	An Intro to Academic Discourse	3	0	3	ICS 108	Object Oriented Programming	3	3	4
ICS 104	Intro. to Programm. in Python & C	2	3	3	IAS 111	Belief & its Consequences	2	0	2
					PE 101	Health and Physical Education I	0	2	1
		15	9	18			15	8	18
Second Year (Sophomore)									
MATH 201	Calculus III	3	0	3	STAT 319	Prob.& Stat. for Engineers and Scientists	2	3	3
COE 202	Digital Logic Design	3	0	3	COE 241	Data and Computer Communications	3	0	3
COE 203	Digital Logic Design Lab	0	3	1	COE 301	Computer Organization	3	3	4
ISE 291	Introduction to Data Science	3	0	3	COE 292	Introduction to Artificial Intelligence	3	0	3
ICS 202	Data Structures and Algorithms	3	3	4	ICS 253	Discrete Structures	3	0	3
IAS 121	Language Foundation	2	0	2					
		14	6	16			14	6	16
Third Year (Junior)									
MATH 208	Intro. to Diff. Eq. & Lin. Algebra	3	0	3	COE 384	Fundamentals of Computer Eng. Design	3	3	4
COE 344	Computer Networks	3	3	4	COE 346	Computer & Network Security	3	0	3
COE 302	Design & Modeling of Digital Systems	3	0	3	COE 306	Intro. to Embedded Systems	3	3	4
ENGL 214	Academic & Professional Comm.	3	0	3	BUS 200	Business & Entrepreneurship	3	0	3
EE 236	Electronic Circuits	3	0	3	CGS 392	Career Essentials	0	2	1
EE 237	Electronic Circuits Lab.	0	3	1					
		15	6	17			12	8	15
Summer Session					COE 399	Summer Training	0	0	0
Fourth Year (Senior)									
COE 4xx	Major Elective I	3	0	3	COE 485	Senior Project	1	6	3
COE 4xx	Major Elective II	3	0	3	COE 4XX	Major Elective III	3	0	3
XXX xxx	Free Elective	3	0	3	COE 4xx	Major Elective IV	3	0	3
ICS 433	Operating Systems	3	1	3	IAS xxx	Islamic/Arabic Elective	2	0	2
IAS 212	Ethics and Governance	2	0	2	GS xxx	GS Elective	3	0	3
		14	1	14			12	6	14
Total credit hours required in Degree Program: 128									