Course Code	Course Name	Credit Hours
CHEM 101	General Chemistry I	4
ENGL 101	Intro. to Academic Discourse	3
IAS 121	Languge Foundation	2
MATH 101	Calculus I	4
MATH 102	Calculus I	5

Course Code	Course Name	Credit Hours
ENGL 102	Intro. to Report Writing	3
IAS 111	Belief & Its Consequences	2
ICS 104	Intro. to Programm. In Python & C	3
MATH 102	Calculus II	4
PE 101	Health and Physical Education I	1
PHYS 102	General Physics II	4

Course Code	Course Name	Credit Hours
AE 211	Fundamentals of Thermo-fluids	3
ENGL 214	Academic & Professional Comm.	3
IAS 212	Professional Ethics	2
ISE 291	Intro. to Data Science	3
MATH 201	Calculus III	3
CE 201	Statics …	3

Course Code	Course Name	Credit Hours
AE 221	Introduction to AE	3
AE 228	Introduction AE Struct. & Mat	3
COE 292	Intro. to Artificial Intelligence	3
MATH 208	Intro. to Diff. Eq. & Linear Algebra	3
ME 201	Dynamics …..	3
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Course Code	Course Name	Credit Hours
ME 210	ME Drawing and Graphics	3
AE 230	AE Vehicle Performance	3
AE 313	AE Systems and Control	3
AE 357	AE Numerical Methods Lab	1
MATH 371	Intro. to Numerical Computing	3
XXX xxx	Engineering Elective	3

Course Code	Course Name	Credit Hours
AE 312	Fundamentals of AE Design	1
AE 325	Gas Dynamics I	3
AE 328	Flight Structure I	3
AE 333	Aerodynamics I	3
BUS 200	Business & Entrepreneurship	3
IAS xxx	Islamic/Arabic Elective	2
CGS 392	Career Essentials	1

Course Code	Course Name	Credit Hours
AE 412	Senior Design	2
AE 421	AE Lab…..	1
AE xxx	AE Elective I	3
AE xxx	AE Elective II	3
GS xxx	GS Elective	3
XXX xxx	Science Elective	3

Course Code	Course Name	Credit Hours
AE 422	Flight Propulsion I	3
AE 426	Flight Dynamics I	3
AE 427	Aerospace Vehicle Design	3
XXX xxx	Elective I	3
XXX xxx	Elective II	3
AE 399	Summer Training	1