SCHOOL OF AEROSPACE ENGINEERING CREDIT SHEET
for FRESHMEN BEGINNING SUMMER 2016 AND LATER

KEY

NOTE# COURSE	hrs
*Pre-requisite w/ concur. **Co-requisite	

Course may be taken at any time

NAME: _____

GT ID NO: _____

ADVISOR: _____

Freshman

SEMESTER 1 — 16

MATH 1552+	4	[1]CHEM	4	CS 1371	3	APPH 1040/50	2	ENGL 1101	3
Integral Calculus		1310 or (1211K & 1212K)		Computing				Eng Comp 1	
MATH 1551									

SEMESTER 2 — 16

MATH 1553	2	PHYS 2211	4	AE 1601	1	[2]SOC SCI	3	ENGL 1102	3	ME 1770	3
Intro. Lin. Algebra		Phys 1		Intro to AE		HIST 2111 or 2112 or POL 1101 or INTA 1200 or PUBB 3000 (satisfies USPS requirement)		Eng Comp 2		Eng Graphics	
		MATH 1552*		MATH 1551				ENGL 1101			

Sophomore

SEMESTER 1 — 16

MATH 2551	4	PHYS 2212	4	COE 2001	2	MSE 2001	3	[3]ECON	3
Multivariable Calc		Phys 2		Statics		Eng Materials		ECON 2100 or 2101 or 2105 or 2106	
MATH 1552, MATH 1553		PHYS 2211		MATH 1552, PHYS 2211		CHEM 1310 or 1211K			

SEMESTER 2 — 15

MATH 2552	4	AE 2010	4	AE 2220	3	ECE 3710	2	AE 2610	1	AE 2611	1
Differential Eqns		ThermoFluid Fundamentals		Dynamics		Circuits		Intro to Exp Methods		Tech Comm	
MATH 1552, MATH 1553		MATH 2551, PHYS 2211, CHEM		COE 2001, MATH 2552*		PHYS 2212		AE1601,MATH2551*, PHYS2212*,COE2001*,AE2611**		AE 2610**	

Junior

SEMESTER 1 — 17

MATH xxxx	3	AE 3030	4	COE 3001	3	AE 3530	3	AE 3330	3	ECE 3741	1
Math Option		Aerodynamics		Def Bods		Sys Dynamics & Vib		Vehicle Perf		Circuits Lab	
Course Dependent		AE 2010		COE 2001, MATH 2552		AE 2220, MATH 2552		MATH 2552, AE 3030*		ECE 3710	

SEMESTER 2 — 16

AE 3340	2	AE 4451	3	AE 3140	3	AE 3531	3	AE 3610	2	FREE	3
Design Methods		Jet/Rocket Pro		Structural Analysis		Control System A&D		Exp Fluid/Solid Mech			
AE 1601, CS 1371, Math 2551		AE 2010		COE 3001		AE 3530		AE2610,AE2010,COE3001			

Senior

SEMESTER 1 — 17

AE 4341/2/3	3	AE 4xxx	2	[6]HUM ELEC	3	AE 4531/2	3	FREE	3	[4]SOC SCI	3
Senior Design		AE Option I				Air/Space Flight Dynamics					
AE 3330, AE 3340						AE 3030, 3531* / AE 3330, 3530					

SEMESTER 2 — 17

AE 4xxx	3	AE 4xxx	3	[6]HUM ELEC	3	FREE	3	AE 4610	2	[4]SOC SCI	3
AE Option II		AE Option III						Dyn&Control Lab			
								AE2010,AE2610,AE3531			

REQUIREMENTS

- Must repeat ALL Ds in Math & Physics the next term at GT
- Min. C required in Math & Physics to schedule AE courses with Math or Physics pre-req
- Min. C required in COE 2001, AE 2010 & AE 2220 (Min. C also required to schedule AE courses with any of these courses as a pre-req)
- No more than 2 Ds in required AE & COE courses (except 1350)
- GPA > 2.0 to schedule COE 2001 or AE 2010
- GPA > 2.0 in AE courses to graduate with BSAE
- Only free electives may be taken pass/fail. All other classes must be taken on a letter grade basis
- Total credit hours = 132

+Assumes credit for Math 1551, otherwise sub Math 1551 & 1553