SCHOOL OF AEROSPACE ENGINEERING
CREDIT SHEET 2011 AND LATER

KEY

NOTE# COURSE	hrs
Pre-requisite *Co-requisite	

Course may be taken at any time

NAME: _____

GT ID NO: _____

ADVISOR: _____

Freshman

Semester 1

MATH 1501	4	¹CHEM	4	CS 1371	3	HPS 1040	2	ENGL 1101	3
Calc I		1310 or (1211K & 1212K)		Computing				Eng Comp 1	

Semester 2

MATH 1502	4	PHYS 2211	4	AE 1350	2	SS	3	ENGL 1102	3
Calc 2		Phys 1		Intro to AE		HIST 2111 or 2112 or POL 1101 or INTA 1200 or PUBB 3000 (satisfies USPS requirement)		Eng Comp 2	
MATH 1501		MATH 1501						ENGL 1101	

Sophomore

Semester 1

MATH 2401	4	PHYS 2212	4	COE 2001	2	CE/ME 1770	3	³ECON	3
Calc 3		Phys 2		Statics		Eng Graphics		ECON 2100 or 2101 or 2105 or 2106	
MATH 1502		PHYS 2211		MATH 1502, PHYS 2211					

Semester 2

MATH 2403	4	AE 2020	3	AE 2220	3	MSE 2001	3	⁹SCIENCE/ TECH ELEC	3
Diff Eq		Low Speed		Dynamics		Eng Materials			
MATH 1502		AE 1350, MATH 2401, PHYS 2211		COE 2001, MATH 2403*		CHEM 1310 or 1211K			

Junior

Semester 1

AE 3450	3	AE 3310	3	COE 3001	3	AE 3515	4	ECE 3710	2	TECH WRITING	2
Thermo/CompFlow		Veh Perf		Def Bods		Sys Dyn/Cntrl		Circuits			
MATH 2401, PHYS 2212,		AE 2020, MATH 2403		COE 2001, MATH 2403*		AE 2220, MATH 2403		PHYS 2212			

Semester 2

AE 4451	3	⁸AE 3051	2	AE 3125	4	AE 3521	4	ECE 3741	1	FREE	3
Jet/Rocket Pro		Fluids Lab		Structures		Flight Dyn		Circuits Lab			
AE 3450		AE 2020, AE 3450*		COE 3001		AE 2020, AE 3515		ECE 3710			

Senior

Semester 1

AE 435_	3	AE 3021	3	AE 3145	1	⁶HUM ELEC	3	⁴SOC SCI	3	FREE	4
Sr Des 1		High Speed		Structures Lab		some courses may also satisfy GLPS requirement		some courses may also satisfy GLPS requirement			
AE 4350, 4356 or 4358		AE 2020, AE 3450		COE 3001							

Semester 2

AE 435_	3	AE 4220	3	AE 4525	2	⁶HUM ELEC	3	⁴SOC SCI	3	FREE	3
Sr Des 2		Aeroelasticity		Controls Lab							
AE 4351, 4357 or 4359		AE 3125, AE 3515		AE 3521*							

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 2020 & 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 2020
- GPA > 2.0 in AE courses to graduate with BSAE
- Only free electives (up to 9 hrs.) may be taken pass/fail. All other classes must be taken on a letter grade basis
- Total credit hours = 132

SENIOR DESIGN OPTIONS

AIRCRAFT
4350: Pre-req: 3310; Co-req: 3021, 3521, 4451
4351: Pre-req: 4350, 3021, 3521, 4451

SPACECRAFT
4356: Pre-req: 3310; Co-req: 4310, 4451
4357: Pre-req: 4356, 4310, 4451

ROTORCRAFT
4358: Pre-req: 3310; Co-req: 3125, 3521, CE/ME 1770, CS 1371, MSE 2001
4359: Pre-req: 4358, 3125, 3521, CE/ME 1770, CS 1371, MSE 2001

June 2011

NOTES

1. If CHEM 1211K & 1212K are used to satisfy the chemisty requirement, the additional four hours may be used to satisfy the technical and free elective requirements.

2. Credit not allowed for both INTA 1200 and POL 1101.

3. Credit will be granted for ECON 2100 OR ECON 2101, or for ECON 2105/2106. Credit will not be granted for ECON 2100 AND ECON 2101 or for ECON 2100 AND ECON 2105/2106 or for ECON 2101 and ECON 2105/2106.

4. Refer to the registrar's website for the complete list of approved social science classes:http://www.catalog.gatech.edu/students/ugrad/core/coree.php

5. Humanities credit awarded for Modern Languages 1001 classes upon successful completion of the corresponding 1002 classes. Humanities credit awarded for SPAN 1101 only upon the successful completion of SPAN 1102.

6. Refer to the registrar's website for the complete list of approved humanities classes: http://www.catalog.gatech.edu/students/ugrad/core/corec.php

7. AE 4310 required for space senior design and may be counted as a technical elective.

8. Cannot drop AE 3051 after 1st week of classes.

9. Approved Technical Elective Courses:

AE 4XXX**
BIOL 1510   Biological Principles (3-3-4)
BIOL 1520   Introduction to Organismal Biology (3-3-4)
CHEM 1311 Inorganic Chemistry (3-0-3)
CS 1331   Object Oriented Programming (3-0-3)
EAS 1600   Introduction to Environmental Science (2-6-4)
EAS 1601   Habitable Planet (3-3-4)
EAS 2750   Physics of the Weather (3-0-3)
EAS 4300   Oceanography (3-0-3)
EAS 4430   Remote Sensing and Data Analysis (2-3-3)
EAS 4520   Seismic Methods in Exploration Geophysics (3-0-3)
PHYS 2022 Stars Galaxies and the Universe (3-0-3)
PHYS 2213 Modern Physics (3-0-3)
PHYS 2750 Physics of the Weather (3-0-3)
PHYS 3021 Stellar Astrophysics (3-0-3)
PHYS 3043 Wave Mechanics (3-0-3)
PHYS 3122 Electrostatics and Magnetostatics (3-0-3)
PHYS 3143 Quantum Mechanics I (3-0-3)
PHYS 3223 Geometrical Optics and Lens Design (3-0-3)
PHYS 3225 Modern Optics (3-0-3)

** All AE 4XXX courses not required in the program (except for AE 4355 and 4699, which may be used only for free electives and AE 4698, a no-credit course).