

01-May-09

AOSS Undergraduate Curriculum - Space Weather Concentration

Semester	1		2		3		4		5		6		7		8	
Course 1	Math 115	4	Math 116	4	Math 215	4	Math 216	4	AOSS 380: Intro Rad Transfer	4	AOSS 350: Atmos Thermo*	4	AOSS 410: Earth Sys Models	4	Experiential course**	4
Course 2	Chem 125/126 & 130 or Chem 210/211	5	Phys 140/141	5	Phys 240/241	5	AOSS 323 Earth Sys Analysis	4	AOSS 370: Solar- Terrestrial Relations	4	AOSS 450: Geophysical EM	4	Component course**	3 or 4	AOSS 477 Space Wea. Modeling	4
Course 3	Engin 100	4	Engin 101	4	AOSS 320: Earth Sys Evolution	4	AOSS 321: Earth Sys Dynamics	4	Tech Elective	4	Component course**	3	Component course**	3 or 4	Tech Elective	4
Course 4	Hu/SS	3	Hu/SS	3	Hu/SS	3	Hu/SS	4	Hu/SS	3	Unrestricted Elective	5 or 6	Tech Elective	4	Unrestricted Elective	5
College	13		13		9		4								39	
Hum/SS	3		3		3		4		3						16	
Core					4		8		8		4		4		28	
Conc											7		7		8	
Tech									4				4		4	
Unrestricted											6				5	
	16		16		16		16		15		17		15		17	

* Alternatives: MECHENG 235 Thermodynamics or CHE 350 Chemical Engineering Thermodynamics

****EXPERIENTIAL-Space**

ENGR 450 Multidisciplinary Design (4)

AOSS 462 Instrumentation for Atmos. and Space Sci. (4)

****COMPONENT-Space**

AOSS 462 or ENGR 450 (4)

AOSS 401 Geophys. Fluid Dynamics (4)

AOSS 475 Earth System Interactions (4)

NERS 471 Intr. Plasmas-Fusion (3)

EECS 314 Elect. Circ., Sys., & Appl. (4)

AERO 305 Aerospace Engr Lab I (4)

Math 450 Adv. Math. for Engineers I (4)

LEGEND

College requirements	
AOSS Core - Common to all Concentrations	
Concentration classes	
Tech and Unrestricted Electives	