

2015 – 2016 Flowchart

Astronomy and Astrophysics (7192)

<u>Freshman Year</u>				<u>Junior Year</u>							
			(Cr)	<u>Semester</u>	<u>Grade</u>		(Cr)	<u>Semester</u>	<u>Grade</u>		
Fall				Fall							
ASC	1000	Univ Experience	(1)	_____	_____	PHY	3011	Physical Mech	(4)	_____	_____
CHM	1101	Chemistry 1	(4)	_____	_____	PHY	3060	Therm, Kin, Stat	(4)	_____	_____
COM	1101	Comp and Rhet	(3)	_____	_____	SPS	3020	Methods and Inst	(3)	_____	_____
MTH	1001	Calculus 1*	(4)	_____	_____	MTH	3xxx	Restricted Elective	(3)	_____	_____
PHY	1050	PSS Seminar	(1)	_____	_____			Free Elective	(3)	_____	_____
SPS	1020	Intro Space Science*	(3)	_____	_____				17	_____	_____
			16			Spring					
Spring				Spring							
CHM	1102	Chemistry 2	(4)	_____	_____	MTH	3210	Intro to PDE	(3)	_____	_____
COM	1102	Writing about Lit	(3)	_____	_____	PHY	3035	Quantum Mech	(4)	_____	_____
MTH	1002	Calculus 2	(4)	_____	_____	PHY	3440	Electromag Theo	(3)	_____	_____
PHY	1001	Physics 1	(4)	_____	_____	SPS	3030	Orbital Mech	(3)	_____	_____
PHY	2091	Physics Lab 1	(1)	_____	_____			Hum Elective	(3)	_____	_____
			16						16	_____	_____
Sophomore Year				Senior Year							
Fall				Fall							
HUM	2051	Civilization 1	(3)	_____	_____	MAE	3161	Fluid Mech	OR	_____	_____
MTH	2001	Calculus 3	(4)	_____	_____	OCE	3030	Fluid Mech	(3)	_____	_____
PHY	2002	Physics 2	(4)	_____	_____	PHY	4020	Optics	(3)	_____	_____
PHY	2092	Physics Lab 2	(1)	_____	_____	PHY	4021	Exp Optics	(1)	_____	_____
CSE	15xx	Restricted Elective	(3)	_____	_____	SPS	4010	Astrophysics 1	(3)	_____	_____
			15			SPS	4200	Senior Seminar 1	(1)	_____	_____
						SPS	3xxx	Restricted Elective	OR	_____	_____
						PHY	3xxx	Restricted Elective**	(3)	_____	_____
								Tech Elect/Undergrad	(3)	_____	_____
								Research	17	_____	_____
Spring				Spring							
COM	2223	Sci & Tech Comm	(3)	_____	_____	SPS	4020	Astrophysics 2	(3)	_____	_____
MTH	2201	Diff Eq/Lin Alg	(4)	_____	_____	SPS	4025	Intro Plasma	OR	_____	_____
						SPS	4035	Comp	(3)	_____	_____
								Planetology***		_____	_____
PHY	2003	Modern Physics	(3)	_____	_____	SPS	4110	Senior Lab	(2)	_____	_____
SPS	2010	OBS Astronomy	(3)	_____	_____	SPS	4210	Senior Seminar 2	(1)	_____	_____
		Hum Core Course	(3)	_____	_____			Soc Science Elect	(3)	_____	_____
			16					Tech Elect/Undergrad	(3)	_____	_____
								Research	15	_____	_____

Total Credits Required: 128

Student's Name _____
 Student ID # _____
 Advisor's Signature _____
 Dept. Head's Signature _____

*Students will be block registered into Introduction to Space Sciences (SPS 1020). If a student places into Calculus 2 (MTH 1002), the student is encouraged to take Physics 1 (PHY 1001) in the first semester and SPS 1020 later in the program.

** Suggested classes include, but are not limited to: PHY 3152, PHY 4030, PHY 4033, SPS 3010, SPS 4030, SPS 4035, SPS 4039

*** Courses taught on an alternate-year basis.