

## 2016 – 2017 Flowchart

### Astronomy and Astrophysics (7192)

			(Cr)	<u>Semester</u>	<u>Grade</u>				(Cr)	<u>Semester</u>	<u>Grade</u>
<b>Freshman Year</b>						<b>Junior Year</b>					
<b>Fall</b>						<b>Fall</b>					
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			<b>Spring</b>					
<b>Spring</b>						MTH	3210	Intro to PDE	(3)	_____	_____
CHM	1102	Chemistry 2	(4)	_____	_____	PHY	3035	Quantum Mech	(4)	_____	_____
COM	1102	Writing about Lit	(3)	_____	_____	PHY	3440	Electromag Theory	(3)	_____	_____
MTH	1002	Calculus 2	(4)	_____	_____	SPS	3030	Orbital Mech	(3)	_____	_____
PHY	1001	Physics 1	(4)	_____	_____			Hum Elective	(3)	_____	_____
PHY	2091	Physics Lab 1	(1)	_____	_____				16	_____	_____
			16			<b>Senior Year</b>					
<b>Sophomore Year</b>						<b>Fall</b>					
<b>Fall</b>						MAE	3161	Fluid Mech	OR	_____	_____
HUM	2051	Civilization 1	(3)	_____	_____	OCE	3030	Fluid Mech	(3)	_____	_____
MTH	2001	Calculus 3	(4)	_____	_____	PHY	4020	Optics	(3)	_____	_____
PHY	2002	Physics 2	(4)	_____	_____	PHY	4021	Exp Optics	(1)	_____	_____
PHY	2092	Physics Lab 2	(1)	_____	_____	SPS	4010	Astrophysics 1	(3)	_____	_____
CSE	15xx	Restricted Elective	(3)	_____	_____	SPS	4200	Senior Seminar 1	(1)	_____	_____
			15			SPS	3xxx	Restricted Elective	OR	_____	_____
<b>Spring</b>						PHY	3xxx	Restricted Elective**	(3)	_____	_____
COM	2223	Sci & Tech Comm	(3)	_____	_____			Tech Elect/Undergrad	(3)	_____	_____
MTH	2201	Differential Eqs / Linear Algebra	(4)	_____	_____			Research	17	_____	_____
PHY	2003	Modern Physics	(3)	_____	_____	<b>Spring</b>					
SPS	2010	Obs Astronomy	(3)	_____	_____	SPS	4020	Astrophysics 2	(3)	_____	_____
		Hum Core Course	(3)	_____	_____	SPS	4025	Intro Plasma	OR	_____	_____
			16			SPS	4035	Comp Planetology***	(3)	_____	_____
						SPS	4110	Senior Lab	(2)	_____	_____
						SPS	4210	Senior Seminar 2	(1)	_____	_____
								Soc Science Elect	(3)	_____	_____
								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.