

Preliminary Astronautics Class Schedule (as of Nov 2017)

(subject to change – always check with *ASTE Student Adviser*)

					2017	2018	2018	2019	2019	2020	2020	2021
					Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Required Courses												
ASTE 520	Spacecraft Design	1	D	R	▼		▼		▼		▼	
ASTE 535	Space Environment and Spacecraft Interactions	2	D	R	▼	▼	▼	▼	▼	▼	▼	▼
ASTE 580	Orbital Mechanics I	2	D	R	▼	▼	▼	▼	▼	▼	▼	▼
ASTE 470	Spacecraft Propulsion	1	D	R	▼		▼		▼		▼	
Elective Courses												
ASTE 501ab	Physical Gas Dynamics I,II	lr	N	C								
ASTE 505ab	Plasma Dynamics I, II	1#	N	E	a		a	b	a		a	b
ASTE 523	Design Low Cost Sp Missions	#	D	C				▼				▼
ASTE 524	Human Spaceflight Systems	1	D	C	▼		▼		▼		▼	
ASTE 527	Space Studio Architecting	1	D	C	▼		▼		▼		▼	
ASTE 528	Reliability of Space Systems	#	D	E		▼				▼		
ASTE 529	Safety Space Sys. & Missions	#	D	C				▼				▼
ASTE 546	Comp. Plasma Dynamics	#	N	E		▼				▼		
ASTE 552	Spacecraft Thermal Control	#	D	C		▼				▼		
ASTE 553	Sys Remote Sensing Space	#	D	C			▼				▼	
ASTE 554	Spacecraft Sensors	#	D	C	▼				▼			
ASTE 555	Space Cryogenic Sys&Applic	#	D	E		▼				▼		
ASTE 556	SC Structural Dynamics	#	D	C			▼				▼	
ASTE 557	SC Structural Materials	#	D	C	▼				▼			
ASTE 566	Ground Comm Satellite Ops	1	N	E								
ASTE 570	Liquid Rocket Propulsion	#	D	C				▼				▼
ASTE 572	Advanced SC Propulsion	1	D	C		▼		▼		▼		▼
ASTE 574	Space Launch Vehicle Design	#	D	C				▼				▼
ASTE 577	Entry & Landing Planet. Sys.	lr	D	E								
ASTE 581	Orbital Mechanics II	#	D	C				▼				▼
ASTE 583	Space Navigation	#	D	C	▼				▼			
ASTE 584	SC Power Systems	lr	D	C								
ASTE 585	SC Attitude Control	lr	D	C		▼	smmr	?	smmr	?	smmr	
ASTE 586	SC Attitude Dynamics	#	D	C		▼				▼		
ASTE 589	Solar System Navigation	#	D	C			▼				▼	
ASTE 599	Solid Rocket Propulsion	#	D	E		▼		▼		▼		▼
ASTE 599	to be announced			E								
ASTE 683	Adv. Spacecraft Navigation	lr	D	E								

SC = spacecraft
2 = course offered twice each year
1 = course offered each year
= course offered every second year
lr = course offered irregularly
▼ = planned (subject to Dean approval)

R = required MS ASTE
C = core elective MS ASTE
E = technical elective
D = webcast through DEN
N = on campus; not available through DEN
? = uncertain, check with ASTE Student Adviser

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