

Preliminary Astronautics Class Schedule (as of Mar 2018)

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

Required Courses					2018	2019	2019	2020	2020	2021	2021	2022
					Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
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	1r	N	C								
ASTE 505ab	Plasma Dynamics I, II	1#	N	E	a	b	a		a	b	a	
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	C				▼				▼
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	C				▼				▼
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.	1r	D	E	▼				▼			
ASTE 581	Orbital Mechanics II	#	D	C		▼				▼		
ASTE 583	Space Navigation	#	D	C			▼				▼	
ASTE 584	SC Power Systems	1r	D	C								
ASTE 585	SC Attitude Control	1r	D	C	▼smr	?	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	Human Factors SC Operation	1r	D	E	▼		?					
ASTE 599	Eng Prclps Human Spacflight	1r	D	E		▼		?				
ASTE 599	to be announced			E								
ASTE 683	Adv. Spacecraft Navigation	1r	D	E								

Table notation

SC = spacecraft

2 = course offered twice each year

1 = course offered each year

= course offered every second year

Ir = course offered irregularly

▼ = planned (subject to School 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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