

Preliminary Class Schedule (as of Apr 2017)

Astronautics (ASTE) Graduate Class Schedule

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

				2017	2018	2018	2019	2019	2020	2020	2021
Required Courses				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	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 E	▼		▼		▼		▼	
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 570	Liquid Rocket Propulsion	#	D C				▼				▼
ASTE 572	Advanced SC Propulsion	1	D C		▼		▼		▼		▼
ASTE 574	Space Launch Vehicle Design	#	D E				▼				▼
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 E			▼				▼	
ASTE 599	Ground Comm for Sat Ops	1	N 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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