

Preliminary Class Schedule (as of Nov 2011)

Astronautics (ASTE) Graduate Class Schedule

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

				2011	2012	2012	2013	2013	2014	2014	2015
				Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Core Requirement Courses											
ASTE 520	Spacecraft Design	2?	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 501a	Physical Gas Dynamics I	1r	? C		▼						
ASTE 501b	Physical Gas Dynamics II	1r	? C		▼ smmr						
ASTE 523	Design Low Cost Sp Miss	1	D C				▼				▼
ASTE 527	Space Studio Architecting	1	D C	▼		▼		▼		▼	
ASTE 541	Partially Ionized Plasmas	1r	N E								
ASTE 545	Comp. Techn in RGD	1r	N E								
ASTE 552	Spacecraft Thermal Cntrl.	#	D C		▼				▼		
ASTE 553	Systems for Remote Sensing From Space	#	D C			▼				▼	
ASTE 554	Spacecraft Sensors	#	D C	▼				▼			
ASTE 556	SC Structural Dynamics	#	D C			▼				▼	
ASTE 570	Liquid Rocket propulsion	#	D C				▼		▼		
ASTE 572	Advanced SC Propulsion	1	D C		▼		▼		▼		▼
ASTE 581	Orbital Mechanics II	1	D C		▼		▼		▼		▼
ASTE 583	Space Navigation	1	D C		▼	▼		▼		▼	
ASTE 584	SC Power Systems	1	D C		▼		▼		▼		▼
ASTE 585	SC Attitude Control	1r	D C		▼ smmr		▼? smmr		▼ smmr		
ASTE 586	SC Attitude Dynamics	1?	D C				▼		▼		▼
ASTE 599	SC Structural Materials	#	D E	▼				▼			
ASTE 599	Software Intensive Space Systems Engineering	#	D E			▼		?		▼	
ASTE 599	Special Topics	1r	D E	▼		▼	?	?	?	?	?
Mathematics Requirement – see next page											

SC = spacecraft
 2 = course offered twice each year
 1 = course offered each year
 # = course offered every second year
 1r = 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 student affairs

The schedule of course offerings is subject to change.

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Mathematics Requirement				2011	2011	2012	2012	2012	2013	2013
				Smmr	Fall	Spring	Smmr	Fall	Spring	Smmr
AME 525	Engineering Analysis	3	D	O	▼	▼	▼	▼	▼	▼
AME 526	Engineering Analyt. Meth.	3	D	O	▼	▼	▼	▼	▼	▼
CE 529a	Finite Element Analysis	2	D	O	▼	▼	▼	▼	▼	▼
EE 517	Statistics for Engineers	1	D	O			▼		▼	
PHYS 510	Methods Theoret. Physics	1	N	O		▼		▼		

O = required option to choose one course for MS ASTE

3 = course offered three times each year

2 = course offered twice each year

1 = course offered each year

D = webcast through DEN

N = on campus; not available through DEN

▼ = planned offering

EE 517

Before registering for EE 517, please check directly with the instructor for course requirements. This course may require (1) live viewing of course lectures (no passive asynchronous viewing) by remote students; and (2) attending on campus (even if it would require transcontinental travel) at least one of the two (usually seven-hour) final-project sessions.

Note that other USC departments (not ASTE) offer these mathematics courses.

Please contact those departments directly regarding course schedules.

The schedule of course offerings is subject to change.