

ASTE 520 *Spacecraft System Design*



Required for *Astronautical Engineering*

Regardless of your engineering or science major (electrical, mechanical, aerospace, systems, computer, etc. or physics, astronomy, chemistry, math, etc.) and regardless of your **job function** (research, development, design, test, manufacturing, management, marketing, etc.)

If you work or plan/desire to work in the space/defense industry or in government space R&D centers or in space operations, then ...
this is a course (on space systems) that you must take.

ASTE520 focuses on fundamentals of space systems. It will help you put into perspective your area of specialization and enable professional communications with other subsystem specialists.

This course is among largest graduate introductory space system and space technology courses in the United States, with more than 2000 students enrolled since 1994.

In academic year 2020–2021, *ASTE520 Spacecraft System Design* is offered in the Fall 2020 semester only (not offered in Spring 2021).

Fall 2020 Thursday, 6:40 – 9:20 pm (Pacific Time)

online only (due to pandemic)

Class enrollment is unlimited.

For students enrolled in the class:

Course materials for *ASTE 520* will be posted on the DEN class web site in mid-August.

**Help with access D2L site <http://courses.uscdcn.net> at DEN:
<http://gapp.usc.edu/graduate-programs/den/students>**



Due to special conditions caused by the pandemic during this semester, some lectures will be prerecorded and questions deferred to office hours of the instructor and TAs and email.

ASTE-520 public web site (<http://astronauticsnow.com/aste520/>) provides information on the syllabus, textbooks, and much more.

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**For students with ASTE Bachelor of Science degree
from USC (BS ASTE)**

Since you studied some ASTE-520 topics in ASTE-280 and ASTE-330 (ASTE-331), you can waive the ASTE-520 requirement toward MS ASTE.

Please check first the ASTE-520 course content in Section 00, Part 1 and Part 2 (no password required) of the course notes – you can view them at

http://astronauticsnow.com/aste520/aste520_info_web_recent.pdf

Then, decide. The decision is entirely up to you.

If you decide to waive the ASTE-520 requirement, then you must contact ASTE Student Services Assistant Director Mr. Luis Saballos and inform him – the waiver must be added to your file.

For students with non-USC Bachelor of Science degrees

If you took a course similar to (or significantly overlapping with) ASTE-520 during your studies, then you can waive this course requirement towards MS ASTE.

Please consult

http://astronauticsnow.com/msaste/faq.html#Waiver_of_the_required_course

how to proceed.