

# ASTE 520 *Spacecraft Systems 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.**

ASTE-520 focuses on fundamentals of space systems. It will help you to put into perspective your area of specialization and enable professional communications with other subsystem specialists.

The course is popular at USC. It is among largest graduate space systems and space technology courses in the United States, with **more than 1400 students during the last 14 years** alone.

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## Academic year 2018–2019

### *ASTE-520 Spacecraft Systems Design*

is offered **only in the fall (2018)** semester.

**Fall 2018**      Class enrollment is unlimited.

#### **For students enrolled in the class:**

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

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

**Spring 2019**      Course not offered

*ASTE-520* public web site ( <http://astronauticsnow.com/aste520/> ) provides information on the syllabus, textbooks, and much more. First (organizational) lecture from the previous year: [http://astronauticsnow.com/aste520/aste520\\_info\\_web\\_recent.pdf](http://astronauticsnow.com/aste520/aste520_info_web_recent.pdf) .

## **For students with ASTE Bachelor of Science degree from USC**

Since you studied some ASTE-520 topics in ASTE-280 and ASTE-330, 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](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 Director Ms. Nicole Valdez and inform her – 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](http://astronauticsnow.com/msaste/faq.html#Waiver_of_the_required_course)

how to proceed.