On-Campus & Online Graduate Programs in Astronautical Engineering

Astronautical Engineering provides students with a solid educational foundation for careers in the space industry and government space research and development centers.

Why USC Viterbi for Astronautics?

One of the only stand-alone space engineering departments in the U.S.

Focus on space engineering for:
- space system design and operations
- space exploration
- national security space
- commercial space

Graduate program accepts students with Bachelor's degrees in science and all engineering disciplines (No BS in Aerospace Engineering is required)

Program flexibility - MS degree can be earned on a full-time or part-time basis as an online or on-campus student

MS PROGRAM FACTS AND FIGURES

- More than 600 MS in Astronautical Engineering degrees awarded since 2004
- About half of our MSASTE graduates earned their degree the top-ranked DEN@Viterbi online option
- DEN@Viterbi Astronautics students reside in 25 U.S. states, Canada, and are stationed at military installations abroad
- Since 1996, nearly 2000 graduate students have enrolled in the ASTE flagship course “Spacecraft System Design”
- A minimum of 9 courses (27 units) is required to complete the MSASTE program
**MASTER OF SCIENCE ADMISSION REQUIREMENTS**

- An undergraduate degree in any engineering discipline or hard science from a regionally-accredited university
- Official transcripts of all college level work
- GRE scores (less than 5 years old)
- Two Letters of Recommendation
- CV/Résumé
- Personal Statement
- TOEFL/IELTS scores (International applicants only)
- Completed online application

MS in Astronautical Engineering – Video Overview (bit.ly/msastronautics)

**DOCTORAL (PhD) ADMISSION REQUIREMENTS**

- An undergraduate degree in any engineering discipline or hard science from a regionally-accredited university
- Official transcripts of all college level work, GRE scores (less than 5 years old), 3 Letters of Recommendation, CV/Résumé, and Personal Statement
- Documented research experience
- TOEFL/IELTS scores (International applicants only)
- Completed online application

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**CAREER SURVEY**

- 100% Employed
- 12% Continuing Education
- 12% Seeking Employment

**ANNUAL STARTING SALARY**

Average: $77,730
Range: $52,000 to $97,000

**WHERE ASTRONAUTICS TROJANS ARE WORKING**

Top Companies
- The Boeing Company
- Lockheed Martin
- Northrop Grumman
- Raytheon
- NASA Centers (JPL, Marshall, Johnson, etc.)
- SpaceX
- U.S. Air Force
- U.S. Government
- Aerojet-Rocketdyne
- Blue Origin
- United Technologies

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**APPLICATION DEADLINES**

- MS (Fall) – January 15 (or December 15 for scholarship consideration)
- MS (Spring) – September 15 (or August 31 for scholarship consideration)
- PhD (Fall) – December 15

**MORE INFORMATION**

Department of Astronautical Engineering: astronautics.usc.edu
Graduate Application: usc.edu/admission/graduate/apply
MS in Astronautical Engineering: bit.ly/msastro
PhD in Astronautical Engineering: bit.ly/phdastro
Online Option: viterbigradadmission.usc.edu/denviterb/experience

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**CONTACTS**

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