



**Aerospace University**  
**FY17 Instructor-Led Course Schedule**

The Aerospace University is pleased to offer the following instructor-led courses at our locations throughout the United States. Primarily courses are held in El Segundo, CA, Chantilly, VA, and Colorado Springs, CO and are open to Aerospace employees and government customers. Aerospace employees can register using the TLC (Talent and Learning Center) system. Government customers must first apply for a TLC account, and then can register for courses after receiving their online credentials.

January 2017			
Course Title	Date & Time	Location	TS/SCI Required
Space Protection Awareness	January 4 - 5 8:00am – 4:30pm	Colorado Springs, CO	Yes
Space Protection Awareness	January 10 - 11 7:30am – 4:00pm	El Segundo, CA	Yes
Orbital Mechanics: Introduction	January 11 - 12 8:00am – 4:30pm	El Segundo, CA	No
Global Positioning System (GPS): An Introduction	January 12 9:30am – 1:30pm	El Segundo, CA	No
Small Satellites: An Overview of History, Capabilities, and the Aerospace Picosatellite Program	January 19 7:30am – 5:30pm	El Segundo, CA	No
Ground Systems Overview	January 24 – 25 8:00am – 4:30pm	Colorado Springs, CO	No
Why Satellites Fail: Lessons for Mission Success	January 26 8:00am – 4:30pm	El Segundo, CA	No

## February 2017

Course Title	Date	Location	TS/SCI Required
Space Systems Overview	February 7 – 8 8:00am – 4:30pm	El Segundo, CA	No
Orbital Analysis and Visualization using SOAP, Part 2	February 9 8:00am – 12:00pm	El Segundo, CA	No
Space Protection Awareness	February 22 – 23 8:00am – 4:30pm	Chantilly, VA	Yes
Spacecraft Environmental Hazards	February 22 8:00am – 4:30pm	El Segundo, CA	No
Space Cyber Overview	February 28 – March 1 8:00am – 4:30pm	Colorado Springs, CO	Yes

## March 2017

Course Title	Date	Location	TS/SCI Required
Asteroid Deflection Simulator: Hands-on	March 6 9:00am – 3:00pm	El Segundo, CA	No
Space Situational Awareness – A Defensive Perspective	March 7 – 8 7:30am – 4:00pm	El Segundo, CA	Yes
Space Vehicle Reliability	March 13 8:00am – 4:30pm	El Segundo, CA	No
Global Positioning System (GPS): A More in Depth Look	March 28 – 30 8:00am – 4:30pm	El Segundo, CA	Requires Secret Clearance

## April 2017

Course Title	Date	Location	TS/SCI Required
Smarter Buyer	April 4 8:00am – 4:30pm	Chantilly, VA	Yes
Software Project Planning, Monitoring, and Control for Mission-Critical Systems	April 5 – 6 8:00am – 4:30pm	El Segundo, CA	No
Information Sharing: Technologies & Implementation	April 5 – 6 8:00am – 4:30pm	Chantilly, VA	Yes
Small Satellites: An Overview of History, Capabilities, and the Aerospace Picosatellite Program	April 18 8:00am – 4:30pm	Chantilly, VA	No
Launch Systems Overview	April 18 – 19 8:00am – 4:30pm	El Segundo, CA	No
Concept Development	April 24 – 27 7:30am – 4:00pm	El Segundo, CA	No
Asteroid Deflection: Hands on	April 24 11:00am – 5:00pm	Colorado Springs, CO	No
Asteroid Deflection: Hands on	April 25 11:00am – 5:00pm	Colorado Springs, CO	No
Space Vehicle Reliability	April 25 8:00am – 4:30pm	Chantilly, VA	No
Space Cyber Overview	April 25 – 26 8:00am – 4:30pm	Chantilly, VA	Yes

## May 2017

Course Title	Date	Location	TS/SCI Required
Cyber Across the Space System Lifecycle	May 2 – 3 8:00am – 4:30pm	Colorado Springs, CO	Yes
Orbital Mechanics: Introduction	May 2 – 3 8:00am – 4:30pm	Chantilly, VA	No
Parts, Materials, and Processes: An Introduction	May 2 – 3 7:30am – 5:30pm	El Segundo, CA	No
Parts, Materials, and Processes: for the Responsible Engineer	May 4 7:30am – 4:00pm	El Segundo, CA	No
Space Cyber Overview	May 9 – 10 7:30am – 4:00pm	El Segundo, CA	Yes
Orbital Analysis and Visualization using SOAP, Part 3	May 11 8:00am – 12:00pm	El Segundo, CA	No
Spectrum Management Principles: Introduction	May 16 – 17 8:00am – 2:00pm 11:00am – 5:00pm	El Segundo, CA Chantilly, VA	No
Spectrum Management: Advanced Topics	May 18 8:00am – 2:00pm 11:00 am – 5:00pm	El Segundo, CA Chantilly, VA	No
Advanced EHF Program: An Overview	May 25 8:00am – 4:00pm	El Segundo, CA	No
Cyber Across the Space System Life Cycle	May 31 – June 1 8:00am – 4:30pm	Chantilly, VA	Yes

## June 2017

Course Title	Date	Location	TS/SCI Required
Spacecraft Systems Design	June 6 – 8 8:00am – 4:30pm 8:00am – 4:30pm	El Segundo, CA Chantilly, VA	No
Asteroid Deflection Simulator: Hands-on	June 9 9:00am – 3:00pm	El Segundo, CA	No
Information Sharing: Technologies and Implementation	June 13 – 14 7:30am – 4:00pm	El Segundo, CA	No
Global Positioning System (GPS): Introduction	June 15 12:30pm – 4:00pm	El Segundo, CA	No
Space Protection Awareness	June 20 – 21 8:00am – 4:30pm	Albuquerque, NM	Yes
Environmental Test Requirements for Space Vehicles	June 20 – 22 7:30am – 4:30pm	El Segundo, CA	No
Space Cyber Warfare Command and Control (C2)	June 27 – 28 8:00am – 4:30pm	Chantilly, VA	Yes
Asteroid Deflection Simulator: Hands-on	June 30 9:00am – 3:00pm	El Segundo, CA	No

## July 2017

Course Title	Date	Location	TS/SCI Required
Space Situational Awareness – A Defensive Perspective	July 11 – 12 8:00am – 4:30pm	Albuquerque, NM	Yes
Space Systems Modeling, Simulation and Analysis	July 11 – 12 8:00am – 4:30pm	El Segundo, CA	No
Why Satellites Fail: Lessons for Mission Success	July 12 8:00am – 4:30pm	Chantilly, VA	No
Space Cyber Warfare Command and Control (C2)	July 18 – 19 7:30am – 4:00pm	El Segundo, CA	Yes
Software Architecture and Application to Space Systems	July 25 8:00am – 4:30pm	Chantilly, VA	No
Survey of Space Policy	July 26 – 27 10:00am – 2:30pm 8:00am – 12:30pm	Chantilly, VA Colorado Springs, CO	No

## August 2017

Course Title	Date	Location	TS/SCI Required
Art and Science of Systems Architecting	August 1 8:00am – 4:30pm	Chantilly, VA	No
Space Systems Overview	August 2 – 3 8:00am – 4:30pm	El Segundo, CA	No
Space Cyber Overview	August 8 – 9 8:00am – 4:30pm	Albuquerque, NM	Yes
Orbital Mechanics: Introduction	August 14 – 15 8:00am – 4:30pm	El Segundo, CA	No
Architecture Design and Evaluation	August 15 – 17 8:00am – 4:30pm	Chantilly, VA	No
Advanced EHF Program: An Overview	August 17 8:00am – 4:30pm	El Segundo, CA	No
Ground Systems Overview	August 22 – 23 8:00am – 4:30pm	El Segundo, CA	No
Launch Systems Overview	August 29 – 30 8:00am – 4:30pm	El Segundo, CA	No

## September 2017

Course Title	Date	Location	TS/SCI Required
Principles of Space Communications	September 12 – 14 8:00am – 4:30pm 7:30am – 4:00pm	Chantilly, VA El Segundo, CA	No
Space Cyber Warfare Command and Control (C2) Program	September 12 – 13 8:00am – 4:30pm	Albuquerque, NM	Yes
Management Game Changers: Lesson Learned from the Space Test Program	September 21 8:30am – 4:30pm	Albuquerque, NM	No