



**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<br>8:00am – 4:30pm   | Colorado Springs, CO | Yes             |
| Space Protection Awareness  | January 10 - 11<br>7:30am – 4:00pm | El Segundo, CA       | Yes             |
| Orbital Mechanics: Introduction   | January 11 - 12<br>8:00am – 4:30pm | El Segundo, CA       | No              |
| Global Positioning System (GPS): An Introduction  | January 12<br>9:30am – 1:30pm      | El Segundo, CA       | No              |
| Small Satellites: An Overview of History, Capabilities, and the Aerospace Picosatellite Program | January 19<br>7:30am – 5:30pm      | El Segundo, CA       | No              |
| Ground Systems Overview   | January 24 – 25<br>8:00am – 4:30pm | Colorado Springs, CO | No              |
| Why Satellites Fail: Lessons for Mission Success  | January 26<br>8:00am – 4:30pm      | El Segundo, CA       | No              |

## February 2017

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

## March 2017

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

## April 2017

| Course Title  | Date                             | Location             | TS/SCI Required |
|---|----------------------------------|----------------------|-----------------|
| Smarter Buyer   | April 4<br>8:00am – 4:30pm       | Chantilly, VA        | Yes             |
| Software Project Planning, Monitoring, and Control for Mission-Critical Systems                 | April 5 – 6<br>8:00am – 4:30pm   | El Segundo, CA       | No              |
| Information Sharing: Technologies & Implementation  | April 5 – 6<br>8:00am – 4:30pm   | Chantilly, VA        | Yes             |
| Small Satellites: An Overview of History, Capabilities, and the Aerospace Picosatellite Program | April 18<br>8:00am – 4:30pm      | Chantilly, VA        | No              |
| Launch Systems Overview   | April 18 – 19<br>8:00am – 4:30pm | El Segundo, CA       | No              |
| Asteroid Deflection: Hands on   | April 24<br>11:00am – 5:00pm     | Colorado Springs, CO | No              |
| Space Cyber Overview  | April 25 – 26<br>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<br>8:00am – 4:30pm                       | Colorado Springs, CO            | No              |
| Orbital Mechanics: Introduction                       | May 2 – 3<br>8:00am – 4:30pm                       | Chantilly, VA                   | No              |
| Space Cyber Overview                                  | May 9 – 10<br>7:30am – 4:00pm                      | El Segundo, CA                  | Yes             |
| Orbital Analysis and Visualization using SOAP, Part 3 | May 11<br>8:00am – 12:00pm                         | El Segundo, CA                  | No              |
| Spectrum Management Principles: Introduction          | May 16 – 17<br>8:00am – 2:00pm<br>11:00am – 5:00pm | El Segundo, CA<br>Chantilly, VA | No              |
| Spectrum Management: Advanced Topics                  | May 18<br>8:00am – 2:00pm<br>11:00 am – 5:00pm     | El Segundo, CA<br>Chantilly, VA | No              |
| Advanced EHF Program: An Overview                     | May 25<br>8:00am – 4:00pm                          | El Segundo, CA                  | No              |
| Cyber Across the Space System Life Cycle              | May 31 – June 1<br>8:00am – 4:30pm                 | Chantilly, VA                   | Yes             |

## June 2017

| Course Title  | Date   | Location                        | TS/SCI Required |
|---|--|---------------------------------|-----------------|
| Spacecraft Systems Design                             | June 6 – 8<br>8:00am – 4:30pm<br>8:00am – 4:30pm | El Segundo, CA<br>Chantilly, VA | No              |
| Asteroid Deflection Simulator: Hands-on               | June 9<br>9:00am – 3:00pm                        | El Segundo, CA                  | No              |
| Space Vehicle Reliability                             | June 13<br>8:00am – 4:30pm                       | Chantilly, VA                   | No              |
| Information Sharing: Technologies and Implementation  | June 13 – 14<br>7:30am – 4:00pm                  | El Segundo, CA                  | No              |
| Orbital Analysis and Visualization using SOAP, Part 1 | June 14<br>8:00am – 12:00pm                      | El Segundo, CA                  | No              |
| Global Positioning System (GPS): Introduction         | June 15<br>12:30pm – 4:00pm                      | El Segundo, CA                  | No              |
| Space Protection Awareness                            | June 20 – 21<br>8:00am – 4:30pm                  | Albuquerque, NM                 | Yes             |
| Environmental Test Requirements for Space Vehicles    | June 20 – 22<br>7:30am – 4:30pm                  | El Segundo, CA                  | No              |
| Space Cyber Warfare Command and Control (C2)          | June 27 – 28<br>8:00am – 4:30pm                  | Chantilly, VA                   | Yes             |
| Space Systems Integration and System Test             | June 27 – 28<br>8:00am – 4:30pm                  | El Segundo, CA                  | No              |
| Orbital Analysis and Visualization using SOAP, Part 2 | June 28<br>8:00am – 12:00pm                      | El Segundo, CA                  | No              |
| Asteroid Deflection Simulator: Hands-on               | June 30<br>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<br>8:00am – 4:30pm                      | Albuquerque, NM                       | Yes             |
| Space Systems Modeling, Simulation and Analysis        | July 11 – 12<br>8:00am – 4:30pm                      | El Segundo, CA                        | No              |
| Orbital Analysis and Visualization using SOAP, Part 3  | July 12<br>8:00am – 12:00pm                          | El Segundo, CA                        | No              |
| Why Satellites Fail: Lessons for Mission Success       | July 12<br>8:00am – 4:30pm                           | Chantilly, VA                         | No              |
| Space Cyber Warfare Command and Control (C2)           | July 18 – 19<br>7:30am – 4:00pm                      | El Segundo, CA                        | Yes             |
| Software Architecture and Application to Space Systems | July 25<br>8:00am – 4:30pm                           | Chantilly, VA                         | No              |
| Survey of Space Policy                                 | July 26 – 27<br>10:00am – 2:30pm<br>8:00am – 12:30pm | Chantilly, VA<br>Colorado Springs, CO | No              |

## August 2017

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

## September 2017

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