FedLearn

SPACE COURSE CATALOG

ADVANCING SPACE ACUMEN

Space plays an increasingly critical role in national security and defense

The U.S. Department of Defense and Intelligence Community are more and more focused on space due to the growing competition and threats in the domain.

Our adversaries, like China and Russia, are developing counter-space capabilities. Therefore, training in space topics is essential for U.S. defense and intelligence personnel, so they can be ready to successfully navigate the evolving threat landscape.

FedLearn offers the *first self-paced, online course catalog on space designed to upskill warfighters and other DoD and IC workforces*.

Our course content is *specialized and contextualized to the DoD mission space*.

The courses are delivered via our *online, adaptive learning platform—powered by AI*. Our AI provides *advanced learning metrics* and *personalizes the user experience*.

No other online training provider to the DoD can offer this type of supercharged, online learning experience.

Our learning solutions are *flexible* to address changing mission requirements and *scalable* to meet the needs of organizations of any size.

Seat licenses for the entire FedLearn space catalog will be *available* in the near future.

Email info@fedlearn.com or visit fedlearn.com to discover how we can advance your organization's workforce upskilling and reskilling programs.

SP112 Challenges to Security in Space: Denying Space

Gain a foundational overview of one of the top challenges to security in space: how adversary nations can deny the U.S. and other allied nations access to critical space assets.

Micro-Courses

Grow your understanding about critical space-related topics with a *minimal investment of time*.

- SP115 – Movement of Objects in Space: 2-Body Equation of Motion*
- SP116 – Orbit Fundamentals: Classic Orbital Elements*
- SP117 – The Laws of Space Motion: Conservation of Energy & Momentum*
- SP118 – Electromagnetic Spectrum Basics*
- SP119 – Fundamentals of Gravity*
- SP120 – Application of Kepler's Laws to Celestial Bodies*
- SP121 – Fundamentals of Space Launch, Propulsion, & Reentry*
- SP122 – Laws of Space Motion: Newton's Laws*
- SP123 – Orbit Fundamentals: Orbit Types*
- SP124 – Effects of the Space Environment on Spacecraft Systems*
- SP125 – Foundations of Space Mission Operations*
- SP126 – Key Components of Spacecraft Subsystems*

**Developed with publicly available information from National Security Space Institute*