



# MITRE Aviation Institute (MAI)

**T**he MITRE Aviation Institute (MAI) provides professional development opportunities to the global aviation community. Synthesizing a broad spectrum of aviation expertise, the MAI draws on almost 50 years of worldwide corporate knowledge in aviation research and engineering to deliver a unique learning experience. The MAI helps to cultivate an industry-wide collaborative culture via interactive hands-on courses in key areas. MAI courses are designed to help the global aviation community bring the best it has to bear on future challenges.

The MAI supports The MITRE Corporation's Center for Advanced Aviation System Development (MITRE/CAASD). In partnership with government clients, MITRE is a not-for-profit corporation working in the public interest. It addresses issues of critical national importance, combining systems engineering and information technology to develop innovative solutions that make a difference. MITRE's work is focused within three federally funded research and development centers (FFRDC). CAASD, the FAA's designated FFRDC, serves the public interest by advancing the safety, security, effectiveness, and efficiency of aviation in the United States and around the world.

**Applying Proven Disciplines.** The MAI offers instruction in several core disciplines:

- Communications, Navigation, and Surveillance/ Air Traffic Management (CNS/ATM)
- Airspace Planning and Analysis
- Aviation Safety Management Systems (SMS)
- Area Navigation/Required Navigation Performance (RNAV/RNP)
- Aviation Safety and Security
- Spectrum Management
- Unmanned Aircraft Systems

**Instruction formats include:**

- Executive Briefings
- Short Courses
- Seminars & Conferences
- Workshops

**Addressing Critical Global Issues.** Air traffic demand is at an all-time high and increases every year. Research centers, universities, airlines, civil aviation authorities, and aircraft manufacturers are working to improve the outlook for meeting this demand. The MAI combines technology, operations knowledge, systems engineering, and practical strategies to address the challenges of Air Traffic Management in the 21st Century.



**Building Partnerships that make a Difference.** To complement MITRE's systems engineering and aviation expertise, the MAI is working with organizations that foster aviation knowledge sharing:

- Federal Aviation Administration Academy
- Air Traffic Control Association
- American Association of Airport Executives
- Embry-Riddle Aeronautical University

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