Aircraft Icing: Meteorology, Protective Systems, Instrumentation and Certification
Instructors: Wayne R. Sand, Steven L. Morris

Description
This course covers meteorology and physics of aircraft icing; forecasting, finding and avoiding icing conditions; designing and evaluating ice protection systems and certification of aircraft for flight into known icing conditions.

Highlights
- Description of aircraft icing
- Atmospheric aerosols
- Cloud physics of icing and conceptual cloud modes
- Ground icing
- Skew-T, Log P adiabatic diagrams
- Assessment of icing potential
- Critical icing parameters, theory and measurements
- Finding and avoiding icing conditions
- New and current icing research
- Ice accretion characteristics
- Effects of ice on aircraft performance
- Anti-ice and De-ice systems
- Icing instrumentation and detection
- Effect of SLD on aircraft
- Engine icing considerations
- Ice-testing methods
- Certification and regulations
- Conceptual methods

Who should attend?
Designed for aerospace engineers, flight test and design engineers, test pilots, line pilots, meteorologists, FAA engineers, Designated Engineering Representatives (DERs) and program managers.

“As an aircraft accident investigator, I found the information provided by this course to be extremely relevant. The knowledge I obtained will not only enhance my skills as an investigator, but contribute overall to the advancement of transportation safety.”
—Jon Lee, Western Regional Manager/Operations Investigations, Transportation Safety Board of Canada