

On most departures performance is not an issue, but extreme altitude, weather, and obstacles could cause the need for alternative planning. Runway analysis evaluates the interaction of aircraft performance and runway/obstacle data. Your limiting weight for takeoff as well as landing may be determined by using your aircraft's AFM (Aircraft Flight Manual) performance section, the particular characteristics of the runway in front of you, and an obstacle database.

For more information and screenshots, please visit: <https://elearning.flightsafety.com/runway-analysis.html>

For more information or to sign up, please email USAIG's Director of Safety Services, Paul Ratté at safety@usaig.com – or call 212-859-3856.

Course Curriculum – Approximately 2 Hours (self-paced)

This self-paced course covers the following topics:

- Data Collection
- Runway Terminology
- Declared Distances
- Runway End Safety Areas
- Balanced vs. Unbalanced Calculations
- Accelerate-stop Considerations
- Accelerate-go Considerations
- Climb Segment Requirements
- Flight Path Data Certification
- Obstacle Clearance
- Close in Obstacles
- Third Segment Obstacles
- Obstacle Accountability Area
- Straight Out Departures
- Turning Departures
- Landing Performance Data
- Go Around Data
- Landing Considerations
- CRM Elements as required
- Examination

System Requirements

PC or Apple Mac minimum requirements: Operating System: Windows 7 or newer (PC), OS X 10.7 (Lion) or newer (Mac), Browser: Google Chrome (recommended), Apple Safari, Mozilla Firefox or Internet Explorer 9+, Adobe Flash 9.0+, Speakers or Headset/Headphones, Stable High-Speed internet connection

Apple iPad minimum requirements: Operating System: iOS6 or newer, Browser: Apple Safari, Google Chrome, Stable High-Speed internet connection