

Associate of Applied Science in Air Traffic Control

The Associate of Applied Science (AAS) in Air Traffic Control prepares students for hire at the Federal Aviation Administration (FAA) Training Academy. The AAS in Air Traffic Control also prepares students to take the FAA Flight Dispatcher exam and prepares them for entry-level jobs in the flight dispatch field.

The AAS in Air Traffic Control constitutes the first two years of the Bachelor of Science in Aviation Technology.

Admission Requirements

- Complete the Admission Requirements for Associate Degrees (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>).

Special Considerations

UAA has no restrictions on age or physical condition of students. However, students desiring employment with the Federal Aviation Administration (FAA) should be aware of employment requirements:

- Medical Certificate is required as depicted in FAR 65.49 and 67 Subpart C.
- Thirty-year-old maximum age restriction for students anticipating employment in terminal or en route options.
- Students must receive a PASS score on the selection screening examination administered by the FAA, but this is subject to change. The examination provides a systematic process for continued enhancement of air traffic selection and training by testing candidates for recognition and cognitive skills required in the air traffic specialty and to identify the “composite controller.”

Graduation Requirements

- Complete the General University Requirements for Associate of Applied Science Degrees. (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/>)
- Complete the General Education Requirements for Associate of Applied Science Degrees. (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/generaleducationrequirements/>)
- Complete the following major requirements with a minimum grade of C:

Code	Title	Credits
Core Courses		
ATA A233	Aviation Safety	3
ATC A143	ATC Regulations	3
ATC A144	ATC Flight Procedures	3
ATC A147	Air Traffic Communications	3

ATC A239 & A239L	Fundamentals of Nonradar Separation and Fundamentals of Nonradar Laboratory	4
ATC A242 & A242L	ATC Terminal Radar Procedures and ATC Terminal Radar Procedures Lab	4
ATC A243 & A243L	ATC Enroute Procedures and ATC Enroute Procedures Lab	4
ATC A251	Flight Dispatcher Overview	3
ATC A325	Tools for Weather Briefing	3
ATC A341 & A341L	Control Tower Operations and Control Tower Operations Lab	4
ATC A351	Flight Dispatcher Operations	3
ATC A440	Facility Operation and Administration	3
ATP A100	Private Pilot Ground School	3
ATP A235	Elements of Weather	3
Complete three credits from the following:		3
ATA A133	Aviation Law and Regulations	
ATA A134	Principles of Aviation Administration	
ATA A331	Human Factors in Aviation	
ATA A335	Airport Operations	
ATA A336	Air Service Operations	
ATA A337	Airline Operations	
ATA A425	Civil Aviation Security	
ATA A431	Aircraft Accident Investigation	
ATA A490	Advanced Topics in Aviation Technology	
ATP A116	Instrument Ground School	
ATP A200	Commercial Ground School	
ATP A231	Search, Survival, and Rescue	
Total		49

A minimum of 61 credits is required for the degree.

Program Student Learning Outcomes

At the completion of this program, students will be able to:

- Demonstrate knowledge of aircraft operating limitations and performance, including methods of air and ground navigation within the National Airspace System.
- Demonstrate knowledge of weather and atmospheric processes and how weather phenomena affect aviation operations.
- Demonstrate knowledge of Federal Regulations and the U.S. air traffic control system interactions, including FAA publications.
- Demonstrate knowledge of fundamentals of aircraft separation in radar, nonradar, and terminal environments, as well as operating techniques of ATC facilities in visual and instrument conditions.

5. Demonstrate awareness of ATC industry trends, future developments, global implications, and current management practices and techniques.
6. Demonstrate knowledge of flight dispatcher operations, including weight and balance, flight planning, and fuel requirements.