

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 | Pilot/Controller Techniques | 3 |

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| 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:

1. Demonstrate knowledge of aircraft operating limitations and performance, including methods of air and ground navigation within the National Airspace System.
2. Demonstrate knowledge of weather and atmospheric processes and how weather phenomena affect aviation operations.
3. Demonstrate knowledge of Federal Regulations and the U.S. air traffic control system interactions, including FAA publications.
4. 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.