

DEPARTMENT OF AVIATION

Bachelor of Science in Aeronautical Science:
Professional Pilot

Bachelor of Science in Aviation Administration



The State University
of New York

**Farmingdale
State College**
State University of New York

Bachelor of Science in Aeronautical Science: Professional Pilot

Fall Semester Only

APPLICATION DEADLINE

January 15/Supporting documents due February 1

The highly selective Professional Pilot program provides training for entry-level pilot jobs within the air transportation industry. Opportunities exist in the major airlines, Federal/State Government, Corporate/Business Aviation sectors, and the United States Military.

Admissions – Professional Pilot¹

Freshman

- Algebra II regents exam 70% or higher
- Minimum High School GPA of 90
- Pre-Calculus and Physics required

Transfer Students

- Minimum Cumulative GPA of 3.0
- College Algebra required
- College Pre-Calculus and Physics recommended

Current Student Curriculum Change

- Must meet all transfer requirements

Admissions Rubric

High School Students

- Core GPA: 40%
- Physics Grade: 15%
- Pre-Calculus Grade: 15%
- Rigor of Courses: 20%
- Algebra II Regents/Grade Average: 10%

Transfer Students/Curriculum Changes

- Considered on a case by case basis

¹ Completion of these minimum requirements does not guarantee admission.

The Pro-Pilot Program prepares students to earn the following Certificates and Ratings:

- Private Pilot Certificate
- Instrument Rating
- Commercial Pilot Certificate
- Certified Flight Instructor (CFI) Certificate or Commercial Multi Engine

Students will have the option to complete the following Certificates and Ratings:

- Multi Engine Instructor
- Certified Flight Instructor Instrument CFII Certificate

Program of Study BS Aeronautical Science: Professional Pilot

REQUIRED:

Aeronautical Science - Lecture (55-57 credits)

AVN 101 Aviation Industry: A History Perspective.....	3
AVN 104 Private Pilot Ground.....	3
AVN 201W Safety Ethics	3
AVN 202 Aviation Meteorology	3
AVN 208 Instrument Pilot Ground.....	3
AVN 211 Commercial Pilot Ground.....	3
AVN 300 Government in Aviation	3
AVN 309 Certified Flight Instructor-Ground.....	3
AVN 320 Air Carrier Flight Operations.....	3
AVN 321 Physiology of Flight	3
AVN 322 Advanced Aircraft Systems.....	3
AVN 325 Safety of Flight.....	3
AVN 400 Aviation Law.....	3
AVN 421 Gas Turbine Engines.....	3
AVN 422 Aerodynamics and Aircraft Performance.....	3
AVN 423 Crew Resource Management.....	3
AVN 424 Advanced Avionics and Cockpit Automation	3
AVN 447 Capstone Professional Pilot Seminar	3
AVN Aviation Electives (RATP students see advisor for approved course listing).....	1-3

REQUIRED:

Aeronautical Science - Flight Training (5 credits)

AVN 105 Private Pilot – Flight to Solo.....	1
AVN 106 Private Pilot – Flight to Certificate	1
AVN 209 Instrument Pilot – Flight.....	1
AVN 212 Commercial Pilot – Flight	1
AVN 310 Certified Flight Instructor or AVN 410 Commercial Multi Engine Pilot Rating.....	1

Total Credits: 121-123



Important Information to Consider

- Aero Fees are approximately \$9,000² per semester and are based on instructional hours.
- Flight Blocks (two options):
 - ◆ Monday, Wednesday, Friday
 - ◆ Tuesday, Thursday, Saturday
- Year-round flight opportunities
- Our agreement with the FAA enables our graduates to qualify for an R-ATP at 1,000 hours compared to 1,500 hours.
- A medical exam administered by an FAA Aviation Medical Examiner is required prior to flight training.
 - ◆ Students pursuing flight as a career are strongly advised to obtain a 1st class medical certificate.
- Students can complete a dual degree in Aviation Administration and Professional Pilot.
- Transfer up to a private pilot license.

² Aero fees subject to change.

Aviation Center

The Aviation Center utilizes up-to-date technology and tools to equip students with the ability to succeed in the exciting aviation environment. The Aviation Center operates 21 college-owned aircraft including a multi-engine aircraft and 3 advanced aviation training devices. Aircraft maintenance is done in house by college employees who are certified by FAA as aircraft maintenance technicians (AMTs). Flight training is also done in house (not out-sourced) by college employees who are certified by FAA as Certified Flight Instructors (CFIs). The Center has a robust software-based Safety Management System (SMS) in which students actively participate in hazard identification and risk mitigation.

Bachelor of Science in Aviation Administration

Fall & Spring Semesters

APPLICATIONS REVIEWED ON A ROLLING BASIS

The Aviation Administration program prepares graduates for entry-level managerial positions in the Airport and Air Cargo segments of the air transportation industry, the Airline Industry, the FAA and the General Aviation Industry.

Aviation Administration program educational goals

- Produce graduates that possess the relevant knowledge, skills and attitudes to competently and ethically function as a manager in the aviation industry.
- Provide students access to a high-quality, affordable education in the field of aviation.
- Develop relationships with our extensive local and global industry partners that provide students with applied learning opportunities and experiences.
- Maintain a low student to faculty ratio for a diverse student body.

The program prepares students to be marketable in the following areas: Finance and Public Relations, Accounting and Marketing, Aviation Laws and interaction between the aviation industry and government and Management of all aspects of airports.

Admissions - Aviation Administration

- High School GPA: 85%
- Transfer GPA: 2.75
- Algebra II Regents with 70% of higher

Program of Study BS Aviation Administration

REQUIRED:

Support Courses - Aviation (27 credits)

AVN 100 General Aeronautics.....	3
AVN 101 Aviation Industry: A History Perspective.....	3
AVN 201W Safety Ethics	3
AVN 300 Government in Aviation.....	3
AVN 326 Aviation Security Management	3
AVN 350 Air Traffic Management	3
AVN 400 Aviation Law.....	3
AVN 401 Aviation Economics and Marketing	3
AVN 471 Aviation Administration Senior Seminar	3

Concentration: (Choose one)

Air Cargo (15 credits)

AVN 280 Intro to Air Cargo Operations - Basic.....	3
AVN 281 Air Cargo Govt & Industry Regulations.....	3
AVN 380 Air Cargo Sales & Marketing Techniques	3
AVN 381 Air Cargo Mgmt Techniques	3
AVN 480 Air Cargo Operations - Advanced.....	3

Airport Management (15 credits)

AVN 271 Airport Capacity/Delay/Airspace	3
AVN 370 Airport Management and Finance.....	3
AVN 371 Airport Planning.....	3
AVN 470 Airport Operations.....	3
AVN Elective.....	3

Flight Management (15 Credits)

AVN 104 Private Pilot Ground.....	3
AVN 202 Meteorology	3
AVN 325 Safety Ethics.....	3
AVN Electives (3 credits must be upper level)	6

Total Credits: 120





The Professional Pilot Program
and Aviation Administration
major are accredited by the
AABInternational

ADMISSIONS INFORMATION



Online Applications

To submit an application online, scan the QR code or visit suny.edu/applysuny and commonapp.org or visit farmingdale.edu and click on the **Apply Now** link.

Application Documents

Please send all official documents from all prior schools you have attended to the following address:

Farmingdale State College

ATTN: Admissions Processing
2350 Broadhollow Road
Farmingdale, NY 11735

Contact Information

For more information, contact:

Farmingdale State College Admissions

Laffin Hall, 2nd Floor
Phone: 934-420-2200 | Fax: 934-420-2633
admissions@farmingdale.edu
farmingdale.edu/admissions

**Students with additional questions
may attend a virtual aviation
information session.**

Please register for the information session at:
farmingdale.edu/admissions events.



**Farmingdale
State College**

State University of New York

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2350 Broadhollow Road
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