



Creating Pathways to the Airlines

Global Forecast for Pilots

A woman with blonde hair in a ponytail, wearing a pilot's uniform and sunglasses, is looking out of an airplane window. The background is a blue-tinted image of an airport tarmac with other aircraft visible in the distance.

In the next 20 years, the demand for pilots will reach unprecedented levels. Airlines won't be competing for airfare, they will be competing for pilots and compromising quality is not an option. These changing times require partnering with an organization that delivers pilots trained to the highest standard, starting day one. Aerosim has the right resources to deliver exceptional results and we've been exceeding expectations since 1989.

At Aerosim, we believe in going beyond the minimum standards and providing excellence in flight training to our customers. We deliver the world with pilots that are better prepared for an airline career. The training process is deeply rooted in technology, professionalism, discipline, and preparation designed to provide airlines a pilot who possesses leadership, effective communication skills, and command authority – qualities of future captains built to airline standards.



The Aerosim Solution

From recruitment to training to placement, Aerosim is committed to providing an airline with the ideal pilot. The strength of our partnership will form a pipeline of quality cadets motivated to be trained for the needs of your airline. This commitment by both the airline and Aerosim Flight Academy is one that is not defined by financial obligation but rather by marketing power and collaboration. This collaboration will not only create a solid pathway to a successful outcome of delivering a top quality pilot but will reignite the passion for aviation. This is the formula for success and will provide a total solution for our airline partners.

By working with each airline to define the qualities and characteristics of an ideal candidate profile, we are able to tailor the curriculum and create the most efficient and economical pathway for both the pilot and the airline.

An airline can expect the following from Aerosim Flight Academy:

- Cadet recruitment, screening, and selection
- Ab-initio and custom cadet pilot training programs
- First Officer training, Jet Transition and Multi-Crew Coordination (MCC)
- Type rating training



Our Approach

Aerosim has the expertise required to meet your company's objectives and is dedicated to the pursuit of the ideal pilot for your company using your process and your culture. We are committed to your success.

The state-of-the-art flight training devices and modern aircraft utilized in our training are a crucial component to the process; however, we also believe in providing learning that goes beyond the classroom. Matching airlines with pilots that adhere to their corporate values and employee code of conduct is just as important.

Aerosim goes beyond just checking the box by encouraging the following:

- Airline preparation from day one
- Discipline and respect
- Leadership and communication
- Effective Resource Management
- Command authority and decision making
- Building future airline captains

Our pathway programs are designed to produce excellent results through five critical phases:

1 Recruitment

With marketing efforts designed to reach and engage next generation pilots, Aerosim utilizes a vast network of resources designed to find and recruit new student pilots.

2 Screening

Based on a pre-determined student profile, we partner with you to establish requirements and expectations in order to recruit the right cadet. This candidate screening process can include a face-to-face interview, practical skills assessment, and written test.

3 Selection

In the selection process, our goal is to find the right pilot for your organization based on the approved profile. Once we have identified the right candidates for review, Aerosim works with you to make the right selections.

4 Training

From ab-initio to type rating, the Aerosim training programs may be customized to meet your profile and provide efficient training options and locations. We offer both traditional and MPL paths for flight training.

5 Placement

Partnering with Aerosim ensures a successful outcome to your most important asset- a highly qualified pilot that fits seamlessly into your organization.

Pilot Provisioning Process & Training Continuum

Recruitment ► Screening ► Selection ► Training

Aerosim and airline collaborate to define the right candidate profile, set expectations, and strategy to fit the needs of the organization in order to deliver the qualities needed for command authority:

Character, Discipline, Responsibility, and Respect

The process begins with:

- 1 Recruitment**
- 2 Screening**
- 3 Selection**

End Result:

- ☐ Desired Pilot Profile
- ☐ Language and Skills Testing
- ☐ Future Pilot Placement
- ☐ Airline commitment with no financial obligation

Ab-Initio Training *(Traditional)*

- ☐ Certificates
 - FAA approved curriculum
 - CAAC approved curriculum
 - JAA/EASA program
- ☐ Pilot Training Offered
 - Airline Cadet Program
 - Jet Direct Program
 - Professional Pilot Program
 - College Degree Programs

Multi-Crew Pilot License

Pilot training for tomorrow:
Aerosim provides pilots, training and state-of-the-art equipment to match your airline crew requirements in a multi-crew environment



- State-Of-The-Art Equipment
- High-level FTDs with visual systems



Aircraft

- ▶ Cirrus SR20
- ▶ Cessna 172
- ▶ Piper Seminole & Arrow
- ▶ King Air C90



Jet Transition/MCC/Type Rating



- Jet Transition: a 2-week course that includes 40 hours of classroom instruction and 26 hours in a Flight Training Device. The purpose of this course is to prepare students for the jet training they will receive at an airline.



- Type Rating Program designed for first time jet pilots: a curriculum designed by airline pilots. No other training program comes close to offering the level of instructor-led crew training in an FTD-type of device.



Placement
Your Ideal
Candidate

(MPL) - Customized Program *(Progressive)*

- Technology/Simulator emphasis



- Airline specific Standard Operating Procedures (SOPs)



- Multi-Crew Focus and Resource Management



Pilot Provisioning Checklist

The pathway to success: COLLABORATION, INVOLVEMENT AND EXECUTION

Self-Sponsored Pathway:

- ☒ Preliminary discussion/presentation
- ☐ Review “Creating Pathways to the Airlines”
- ☐ Submit desired pilot profile/hiring requirements
- ☐ Design and present airline training program(s)
- ☐ Sign collaboration agreement (MOU)
- ☐ Aerosim creates marketing-communications plan for approval
- ☐ Aerosim markets airline training program(s)
- ☐ Aerosim recruits, screens, selects, and trains pilots
- ☐ Airline selects and hires qualified candidates

Airline Sponsored Pathway:

- ☒ Preliminary discussion/presentation
- ☐ Review “Creating Pathways to the Airlines”
- ☐ Submit desired pilot profile/hiring requirements
- ☐ Design and present airline solution
- ☐ Sign agreement
- ☐ Aerosim creates marketing-communications plan for approval
- ☐ Aerosim markets airline training program(s)
- ☐ Aerosim/airline recruits and screens
- ☐ Airline selects and pre-hires qualified candidates
- ☐ Aerosim trains pilots



About Aerosim Flight Academy



Aerosim Flight Academy is a top-tier flight school originally created by the airlines (Delta/Comair). Our training is rooted in the discipline required to turn cadets into successful airline pilots and meet the demands experienced by professional flight crews.

The main campus, located at the Orlando-Sanford International Airport was established in 1989 by Comair Airlines and has been training professional airline pilots for the past two decades. In 2000, Delta Air Lines purchased Comair Airlines and began with supplying first rate pilots to Delta Connection carriers. In December 2009, Aerosim Technologies acquired Delta Connection Academy to expand the vision of supplying airlines with a total aviation training solution – student pilots to type rated first officers delivered to an airline.

Throughout the years, the Academy has always remained true to its original mission: deliver high quality flight training producing professional airline pilots, starting on day one.

The Aerosim Difference

What sets Aerosim apart from other flight training organizations is the airline quality training, safety practices, and technology used by our academy. We are a leader in simulation based training utilizing a variety of different Flight Training Devices within the curriculum thereby shifting knowledge retention earlier in the process and providing a better way to prepare before entering the aircraft.

Personnel

Aerosim Flight Academy has over 100 highly qualified Certified Flight Instructors that train, educate, develop, and prepare cadets for graduation and a career as an airline pilot. This discipline and knowledge that is imparted by each instructor is matched with their loyalty to the industry, to safety, and to teaching decision making skills and how to command authority.



Locations

Aerosim Flight Academy's main campus is located at the Orlando-Sanford International Airport and is situated in the heart of beautiful central Florida. Our location provides perfect weather for year-round flying with over 300 days of VFR.

Technology

Aerosim provides training solutions to commercial air transport, business aviation, and general aviation industries as well as government and military markets. Our products are used around the world by aircraft manufacturers, commercial airlines, flight training centers, and universities. These products have been used for training complex aircraft systems, in-flight operations, and aircraft maintenance.



Aerosim Cirrus SR20 FTD

Core Training Technology

AATD

The Aerosim Aviator line of AATDs is used to meet specific regulatory flight training and certification requirements. It offers cadets a cost-effective substitute for instrument training time that may be completed in the aircraft of Aerosim’s flight training devices. The device is the exact cockpit of the Cirrus SR20 and prepares the students before entering the aircraft.

Virtual Procedure Trainer (VPT)

The Aerosim Virtual Procedure Trainer (VPT) provides cadets with a graphical (via touch panel displays) and tactile representation of the cockpit ideal for Jet Transition or Jet Orientation Course (JOC). The trainer can be used as a ground and flight procedure trainer under normal and non-normal conditions. The trainer is an open cockpit design utilizing LCD touch panel displays depicting a graphical representation of the flight deck including the overhead panel, dual sided EFIS displays (PFD & ND), upper and lower displays and the pedestal for FMS, thrust levers, flap lever, speed brake lever and other components.

FTD Level 6

Aerosim’s FAA approved SR20 FTDs provide cadets with system integration and procedure training, including workload management, situational awareness and decision making in normal, abnormal and emergency conditions. An enclosed cockpit with a 220-degree wrap around visual system combined with Aerosim’s leading edge simulation software helps to equip the student and instructor for success.

High-level FTD

The Aerosim Aviator™ FTD line features an aircraft specific flight deck, offering the form, fit, feel and function of the actual aircraft. The experience is further enhanced by realistic electrical flight control loading, sophisticated sound and audio simulation, and a 220 degree field of view, multi-channel visual system that provides cues in day, dusk and night VFR and IFR conditions. This device gives cadets practical experience with the complex procedures and systems of the jet aircraft environment.

Aircraft

The core aircraft used in training our cadets is based off the glass cockpit Cirrus SR20. The Piper Seminole is used for multi-engine training and portions of the commercial course. Piper Arrow and Cessna 172 are used for time-building and certified flight instructor courses.

68 single engine aircraft	12 multi-engine aircraft
<input type="checkbox"/> Cirrus SR20	<input type="checkbox"/> Piper Seminole
<input type="checkbox"/> Cessna 172	3 high performance
<input type="checkbox"/> Piper Arrow	<input type="checkbox"/> King Air C90

Cirrus SR20

The Cirrus SR20 is a state-of-the-art technically advanced aircraft, primarily constructed of composite materials for aerodynamic efficiency. Aerosim Flight Academy currently has 35 Cirrus SR20s in operation.

The SR20 is equipped with the Ballistic Recovery Systems (BRS) Cirrus Airframe Parachute System (CAPS™). The parachute system is designed to protect occupants in the event of an emergency by lowering the aircraft to the ground after deployment.

The SR20 is FAA certified for day, night, VFR, and IFR flights. One of the major selling points for the SR20 is that it has a fully digital avionics suite (or all glass cockpit) with the following features:

- ☐ Avidyne Flight Max Entegra Primary Flight Display (PFD) & Multi-Function Display (MFD)
- ☐ Dual Garmin 430 GPS for navigation, conventional radio navigation, and radio communications
- ☐ Max cruise speed 150 knots (CAS)
- ☐ Fuel efficient aircraft burning 12-14 gallons per hour
- ☐ S-TEC 55X Auto Pilot







Aerosim CRJ200 FTD

Jet Transition/MCC

Preparing Pilots for an Airline Position

Aerosim Flight Academy's Jet Transition Training course is a 2-week course that includes 40 hours of classroom instruction and 26 hours in a Flight Training Device. The purpose of this course is to prepare students for the jet training they will receive at an airline.

Subjects Covered Include:

- ☐ 121 Air Carrier Operations
- ☐ High Altitude Weather
- ☐ High Speed Aerodynamics
- ☐ Advanced Aircraft Systems and Automation
- ☐ EFIS & EICAS Systems
- ☐ Flight Management System (FMS)
- ☐ Crew Resource Management
- ☐ Threat and Error Management
- ☐ Situational Awareness
- ☐ Advanced Flight Planning
- ☐ Check-list Flows
- ☐ Line Oriented Flight Training

Multi-Crew Pilot License (MPL)

Aerosim is an official license provider of the Boeing Multi-Crew Pilot License curriculum



The Aerosim Difference

Aerosim is a license provider for MPL training through the Boeing curriculum. Boeing approves our airline training style and approach, and they fully endorse this program. Our relationship with Boeing offers top quality training and the trust that the program delivers results.

Phase 1: Core Flying Skills

Specific basic single pilot training

- ☐ Crew Resource Management (CRM)
- ☐ VFR Cross-country
- ☐ Solo Flight
- ☐ Basic instrument flight
- ☐ Principles of Flight
- ☐ Cockpit procedures

Phase 2: Basic Training

Introduction of multi-crew operations and instrument flight

- ☐ CRM
- ☐ PF/PNF complement
- ☐ IFR Cross-country
- ☐ Upset recovery
- ☐ Night flight
- ☐ Instrument flight

Phase 3: Intermediate Training

Application of multi-crew operations in a high performance multi-engine turbine airplane

- ☐ CRM
- ☐ LOFT
- ☐ Non-normal procedures
- ☐ Normal procedures
- ☐ Instrument flight

Phase 4: Advanced Training

Type rating training within an airline oriented environment

- ☐ CRM
- ☐ Landing training
- ☐ All weather scenarios
- ☐ LOFT
- ☐ Non-normal procedures
- ☐ Normal procedures

Aerosim Flight Academy Curriculum

FAA Approved Training Curriculum (Part 141)

- ❑ Private Pilot (PPL)
- ❑ Instrument Rating
- ❑ Commercial Pilot (CPL)
- ❑ Multi-engine Rating
- ❑ Certified Flight Instructor (CFI)
- ❑ Certified Flight Instructor Instrument (CFII)
- ❑ Multi-engine Instructor (MEI)
- ❑ High performance turbine training
- ❑ Jet transition course
- ❑ ATPL Preparation
- ❑ A320 Type Rating (Part 142)

CAAC Approved Training Curriculum (Part 141)

- ❑ Private Pilot (PPL)
- ❑ Instrument Rating
- ❑ Commercial Pilot (CPL)
- ❑ Multi-engine Rating
- ❑ High performance turbine training

JAA/EASA Training Program

- ❑ Integrated ATPL
- ❑ Modular ATPL

ICAO Training Program

- ❑ Multi-Crew Pilot License (MPL)

Keeping our Students Safe

Safety is our number one priority. Our highly standardized flight training curriculum orientated towards safe operating procedures is a key ingredient to success at Aerosim. State-of-the-art Cirrus aircraft equipped with advanced avionics and parachute (CAPS™) keeps our students safe.

For the seventh time in eight years, Aerosim Flight Academy has won the FAA's prestigious Diamond Award, which is presented annually to those organizations recognized for safer and more proficient mechanics and technicians.



Aerosim Locations

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