

# Embraer Legacy 600/650

*Professional Pilot and Technician Training Programs*





*FlightSafety and Embraer have worked together for decades to develop comprehensive pilot and maintenance technician training programs for a wide range of Embraer business aircraft. Our highly qualified and experienced instructors, advanced-technology flight simulators and integrated training systems help ensure proficiency and safety. Embraer Legacy 600/650 pilot training is available at FlightSafety Learning Centers in Houston, Texas; Paris-Le Bourget, France; and St. Louis, Missouri. Maintenance technician training for the Embraer Legacy 600/650 is available at the Learning Centers in Paris-Le Bourget, France; and St. Louis, Missouri.*

### **Innovation With One Purpose: Training Corporate Aviation Professionals for Safety and Proficiency**

FlightSafety International is the world's leading aviation training organization. The leader in experience. The leader in technological innovation. The leader in global reach. FlightSafety serves the world's aviation community providing total aviation training for pilots, maintenance technicians and other aviation professionals. We serve business, commercial, general and military aviation with training for virtually all fixed-wing aircraft and helicopters. We live, breathe and ThinkSafety.

FlightSafety provides training for virtually the entire line of Embraer business aircraft. We offer business aviation pilots and maintenance technicians of Embraer aircraft the resources to achieve proficiency and safety, with an experienced instructor base. Learning Centers for Embraer business aircraft are located in Houston, Texas; Paris-Le Bourget, France; and St. Louis, Missouri.

Experienced  
Instructors,  
Superior  
Training  
Technology

# Embraer Legacy 600/650 Training Program Highlights

- FlightSafety and Embraer work closely together to develop new training programs, update existing courses and determine the timing and locations of training devices and equipment needed to support Embraer aircraft operators. This close working relationship enhances standards and safety. Together FlightSafety and Embraer have created a great partnership.
- FlightSafety is the preferred authorized trainer for the Embraer 145 Legacy series.
- Our St. Louis and Paris-Le Bourget Learning Centers operate the world's only Legacy 650 simulators.
- The Legacy 650 simulators in St. Louis and Paris offer VNAV, charts and maps, FANS 1/A and RAAS.
- Customized training programs are available to meet specific training needs.
- Get a head start on your training with pre-course study guides available at [myFlightSafety.com](http://myFlightSafety.com).

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# Embraer Legacy 600/650 Training Program Highlights

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- Advance your career while enhancing safety and improving dispatch reliability with FlightSafety's exclusive Master Technician training for the Legacy. Master Technicians are recognized throughout the industry as having achieved the pinnacle of training for their aircraft.
- We have incorporated Graphical Flight-deck Simulator (GFS) training into the Legacy program. The GFS leverages our exclusive MATRIX system technology, providing real-time and interactive simulation during ground training that is proven to enhance your overall learning experience.
- CPDLC eLearning course is available for Legacy 650. A wide variety of specialty and enrichment training is available through our eLearning and LiveLearning courses.
- FlightBag, our second-generation training materials app, allows you to download complete training materials and access them wherever you are from any device. Materials are updated automatically as new information becomes available, yet it keeps all of your previous notes.
- Operators training in Houston receive training conducted in an EMB145 simulator with Legacy 600 differences.



# Your FlightSafety Learning Center Experience



- 1 Check-In/Orientation** Arriving at the center, you receive a warm greeting and a welcome packet of information about the specifics of your stay.
- 2 Classroom Instruction** Receive thorough classroom training from experienced, dedicated instructors supported by effective, state-of-the-art training devices.
- 3 Peer Interaction** Enjoy daily give-and-take with your peers, an important and stimulating additional source of information.
- 4 Self-Paced Learning** While you're with us, take advantage of opportunities to review topics or learn new subject matter through a variety of self-paced learning materials.
- 5 Simulator Briefings** Prior to each simulator flight, review with your instructor the procedures and specific objectives of that particular session.
- 6 Simulator Training** Coached by your highly qualified instructor, practice and refine the flight-deck procedures requisite to your course of training.
- 7 Simulator Debriefings** After each simulator flight, debrief with your instructor to measure your progress and set your learning priorities.
- 8 Results** Complete your training knowing you have the information and skills your job demands – because training doesn't stop until you've reached proficiency.

## Simulator Profiles

| Location               | Year Built | Sim Level | Visual System | Approvals                    | Avionics                               | Additional Equipment                         |
|------------------------|------------|-----------|---------------|------------------------------|--|--|
| Houston (EMB145)       | 2001       | D         | VITAL IX      | FAA, ANAC, MDGAC             | Honeywell Primus 1000 A+A1+A1P Engines | UNS/Honeywell EGPWS,                         |
| Houston (EMB145)       | 2001       | D         | VITAL VIII    | FAA, MDGAC                   | Honeywell Primus 1000 A+A1+A1P Engines | UNS/Honeywell EGPWS,                         |
| Paris (Legacy 650)     | 2001       | D         | VITAL 1100    | EASA, FAA, GACA, MDGAC       | Honeywell Primus Elite                 | Honeywell, FMS, EGPWS, A2 Engines, RAAS VNAV |
| St. Louis (EMB145)     | 1999       | D         | VITAL VIII    | FAA, MDGAC                   | Honeywell Primus 1000 A+A1+A1P Engines | Single Honeywell EGPWS,                      |
| St. Louis (EMB145)     | 2001       | D         | VITAL IX      | FAA, MDGAC                   | Honeywell Primus 1000 A+A1+A1P Engines | UNS/Honeywell EGPWS,                         |
| St. Louis (EMB145)     | 2002       | D         | VITAL X       | ANAC, FAA, MDGAC             | Honeywell Primus 1000 A+A1+A1P Engines | UNS/Honeywell EGPWS,                         |
| St. Louis (Legacy 650) | 2012       | D         | VITAL X       | FAA, ANAC, CAAC, MDGAC, GACA | Honeywell Primus Elite                 | Honeywell, FMS, EGPWS, A2 Engines, RAAS VNAV |

*\*Training conducted in EMB145 simulators with differences from the Embraer 145 to Legacy 600. (Pilots training in Houston or Paris can attend a stand-alone Legacy 650 differences course in St. Louis.)*

## Program Details

| Location  | Additional Training Devices | Differences Courses   |
|-----------|-----------------------------|---|
| Houston   | CPT,<br>GFS                 | Training conducted in ERJ145 simulator with differences from the ERJ145 to Legacy 600 |
| Paris     | CPT,<br>GFS                 | Training conducted in Legacy 650 simulator with differences to Legacy 600             |
| St. Louis | CPT,<br>GFS                 | Training conducted in ERJ145 or Legacy 650 simulator with differences to Legacy 600   |

CPT – Cockpit Procedures Trainer

GFS – Graphical Flight-deck Simulator

# The FlightSafety Customer Training System

The FlightSafety Customer Training System provides professional, safety-centered training that leads to proficiency, heightened decision-making and leadership skills.







# Inside the Most Trusted Name in Training

**Global Leadership** FlightSafety delivers more than 1.4 million hours of professional aviation training each year. We operate the world's largest aviation training network, with Learning Centers and training locations around the globe. We are honored to serve as the authorized training provider for the majority of business aircraft manufacturers.

**Expert Instructors** FlightSafety fields more than 1,800 of the industry's best instructors, each devoted to ensuring that our Customers are trained to proficiency. Each with the experience and credentials necessary to help our Customers perform at the highest levels of safety.

**Strategic Locations. Worldwide Vision.** We train to best meet our Customers' needs, wherever they may be. This is why FlightSafety's Learning Centers are strategically located adjacent to the major aircraft manufacturers or in other areas that best serve our Customers. Many centers offer training for a wide variety of aircraft types, while others are dedicated solely to the aircraft of one manufacturer.

In keeping with our role as the global leader in aviation safety, our training programs and flight simulators are qualified by international regulatory agencies, including the FAA, EASA, CAAC and Transport Canada.\*

\*Not all programs qualified by all authorities listed.

# Embraer Legacy 600/650 Pilot Training

| COURSE CURRICULUM            | INITIAL    | RECURRENT  | PRIOR EXPERIENCE |
|------------------------------|------------|------------|------------------|
| COURSE MODULE                | 26 DAYS    | 5 DAYS     | 7 DAYS           |
| Ground School                | 68.0 hours | 15.0 hours | 15.0 hours       |
| Systems Integration Training | 12.0 hours | 2.0 hours  | 2.0 hours        |
| Briefing/Debriefing          | 10.5 hours | 3.0 hours  | 6.0 hours        |
| Simulator (Pilot Flying)     | 14.0 hours | 6.0 hours  | 8.0 hours        |

**VNAV** – VNAV, Charts and Maps are available in the Legacy 650 simulator at the St. Louis and Paris-Le Bourget Learning Centers.

**Training Options** – Embraer 135BJ 650 training with Legacy 600 differences are available. Listed below are the locations where this training is provided.

- EMB135BJ 650 with EMB135BJ 600 differences – St. Louis and Paris-Le Bourget Learning Centers
- EMB135BJ 650 with EMB145 differences – St. Louis and Paris-Le Bourget Learning Centers

**Type Rating Prerequisites** – As a minimum, pilots must hold a private pilot or commercial pilot certificate, a multi engine and instrument rating with 1,000 hours total time for the EMB 145 Type Rating.

**Simulator Training** – Both Pilot Flying and Pilot Monitoring time is available if training as a crew. The total simulator hours in an Initial course

will be 28, in a Prior Experience course 16 hours, and in a Recurrent course 12 hours, and, when training as a crew.

**Prior Experience** – This course is designed for pilots who are seeking an additional type rating or the addition of an ATP. Pilots must meet the type rating prerequisites below. All Prior Experience Courses are scheduled on request. A pilot may enroll in this curriculum if he/she:

- Is currently qualified in accordance with §61.55 as an SIC in type and has successfully completed a Part 142 approved Initial or Recurrent course in type; or
- Holds a valid pilot certificate with [EMB-145] type rating issued by a contracting State to ICAO

**Second Crewmember Rate** – Pilot training that requires FlightSafety to provide a second crewmember will be charged an additional hourly rate per simulator hour.

**Course Dates** – For course dates, please visit our website at [flightsafety.com](http://flightsafety.com) or contact any of the Learning Centers listed below.

## Paris-Le Bourget, France

+33.1.49.92.1919  
fax +33.1.49.92.1892  
[paris@flightsafety.com](mailto:paris@flightsafety.com)

## St. Louis, Missouri

800.258.4351 • 314.442.3300  
fax 314.442.3355  
[stlouis@flightsafety.com](mailto:stlouis@flightsafety.com)

# Embraer EMB 135/135BJ/145 Legacy Maintenance Training

| COURSE CURRICULUM                  | DAYS    | HOURS       |
|------------------------------------|---------|-------------|
| Mechanical Initial Theory*         | 15 days | 98.25 hours |
| Mechanical Practical*              | 10 days | 60.00 hours |
| Avionics Add-on Theory*            | 3 days  | 16.00 hours |
| Avionics Add-on Practical*         | 2 days  | 12.00 hours |
| Update                             | 5 days  | 36.00 hours |
| Advanced Troubleshooting           | 5 days  | 33.00 hours |
| Operational Maintenance Procedures | 5 days  | 33.00 hours |
| Familiarization                    | 5 days  | 31.00 hours |
| Engine Run & Taxi Initial          | 3 days  | 19.50 hours |
| Engine Run & Taxi Update           | 1 day   | 9.00 hours  |

*\*For more information on regulatory requirements, please contact the Product Sales Manager at one of our Learning Centers below.*

**Course Dates – For course dates, please visit our website at [flightsafety.com](http://flightsafety.com) or contact any of the Learning Centers listed below.**

#### **Paris-Le Bourget, France**

+33.1.49.92.1919  
fax +33.1.49.92.1892  
[paris@flightsafety.com](mailto:paris@flightsafety.com)

#### **St. Louis, Missouri**

800.258.4351 • 314.442.3300  
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**World-Class Training. Worldwide Reach.** FlightSafety International is the world's premier professional aviation training company and supplier of flight simulators, visual systems and displays to commercial, government and military organizations. The company provides more than 1.4 million hours of training each year to pilots, technicians and other aviation professionals from 167 countries and independent territories. FlightSafety operates the world's largest fleet of advanced full flight simulators at Learning Centers and training locations in the United States, Australia, Brazil, Canada, China, France, Japan, the Netherlands, Norway, South Africa and the United Kingdom.

## ThinkSafety<sup>®</sup>

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