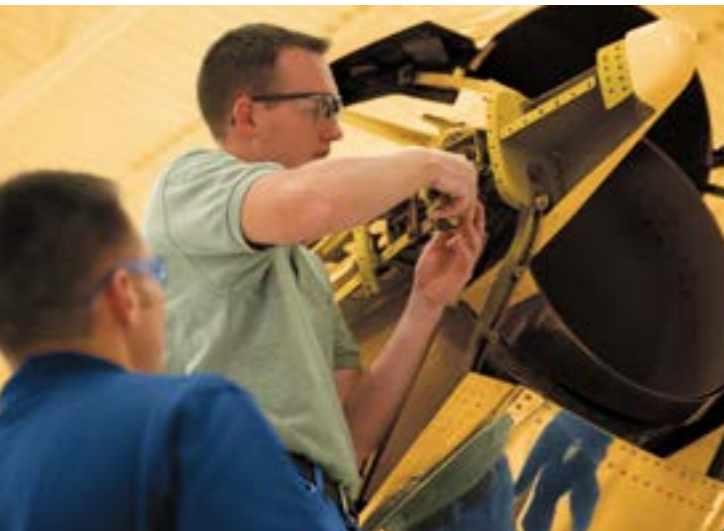


Bombardier Dash 8 Q Series

Professional Pilot and Technician Training Programs





FlightSafety offers comprehensive, professional training on Bombardier turboprop and jet aircraft, including the Dash 8 Q100/Q200/Q300 and Q400. Our highly qualified and experienced instructors, advanced-technology flight simulators and integrated training systems help ensure proficiency and safety. Dash 8 training is available at FlightSafety Learning Centers in Atlanta, Georgia; Johannesburg, South Africa; London Farnborough, United Kingdom; Seattle, Washington; Tokyo, Japan; and Toronto, Canada.

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 Bombardier regional aircraft and business jets. FlightSafety Learning Centers offer professional pilots and maintenance technicians of Bombardier aircraft the resources to achieve proficiency and safety, with an instructor base consisting of former chief pilots, line captains and regional jet captains. Learning Centers for Bombardier aircraft are located in Atlanta, Georgia; Houston, Texas; Johannesburg, South Africa; London Farnborough, United Kingdom; Montreal, Canada; Seattle, Washington; Tokyo, Japan; Toronto, Canada; Tucson, Arizona; Wichita, Kansas; and Wilmington, Delaware.

Experienced
Instructors,
Superior
Training
Technology

Bombardier Dash 8 Q Series Training Program Highlights

- FlightSafety's close day-to-day working relationship with Bombardier ensures that pilots and maintenance technicians who operate Dash 8 aircraft receive the highest quality and most up-to-date training possible.
- Customized training programs are available to meet specific training needs.
- FlightSafety offers dry lease training in Johannesburg, South Africa, and Tokyo, Japan.
- The Millennium simulator features CONUS visuals for realistic representation of aerodromes and topography for the continental U.S., as well as a global database for visuals all across the world.
- Dash 8 Q400 full-flight simulators in Seattle, Toronto and Farnborough are equipped with the latest Rockwell Collins HGS system.
- Dash 8 Q400 ground school includes training on the Universal FMS and FADEC systems installed in the Q400 aircraft.
- India-based operators of the Q400 now can take advantage of our Q400 maintenance initial training course, which has earned India DGAC approval.

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Bombardier Dash 8 Q Series Training Program Highlights

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- Dash 8 simulator training includes advanced FMS approaches with flight path guidance.
- Transition and upgrade pilot training programs are available to ensure the maximum success of your pilot candidates.
- Recurrent pilot ground school programs available online or instructor led.
- European-based operators of Bombardier Dash 8 aircraft can receive EASA-compliant training at FlightSafety's London and Toronto Learning Centers.
- Asian-based operators of Bombardier Dash 8 aircraft can receive JCAB-compliant training at FlightSafety's Tokyo Learning Center.
- We offer a full range of type-specific maintenance technician training for the Dash 8 Q Series, including Initial, Update, ERT, Avionics and Practical.
- We have collaborated with Pratt and Whitney Canada to offer factory-authorized training on the full range of P&WC engines at locations around the globe.
- Our Toronto Learning Center features a Dash 8 cabin trainer available for dry lease training only.



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	Approvals	Avionics	Additional Equipment	Visual System	Debriefing System
Toronto Q100/Q300	1989	C	TC, FAA	King	TCAS, Weather Radar, Single FMS	VITAL VIII	CMMS
Toronto Q100/Q200/Q300	2002	C/D	TC, FAA, EASA	Collins	TCAS II, EGPWS, Weather Radar, Dual FMS	VITAL IX	CMMS
Seattle Q100/Q200/Q300	1992	C/D	TC, FAA	Collins	TCAS II, EGPWS, Weather Radar, Dual FMS, HGS	VITAL X	CMMS
Seattle Q100/Q300	1996	C	TC, FAA	King	GPWS, WX Radar	VITAL VII	CMMS
Atlanta Q100/Q200/Q300	2001	C/D	TC, FAA	Collins	TCAS, Weather Radar, GPWS, Single FMS (HGS on Q200 series only)	VITAL VIII	CMMS
Johannesburg* Q100/Q300	1996	C/D	EASA, SACAA	Collins	Single FMS, EGPWS, Weather Radar	VITAL IX	N/A
Seattle Q100/Q200/Q300	2009	C/D	TC, FAA	Collins	Dual UNS 1eW (WAAS), Dual Provision for FMS and GPS, TCAS II, Mark VIII EGPWS	VITAL X	SimVu
Tokyo* Q400	2011	D	EASA	Sextant	TCAS II, EGPWS, FADEC, Weather Radar, Dual FMS, Steep Approach, WAAS	VITAL X	SimVu
Toronto Q400	1999	D	TC, FAA, EASA	Sextant	TCAS II, EGPWS, FADEC, Weather Radar, Dual FMS, Steep Approach	VITAL X	SimVu
Toronto Q400	2009	D	TC, FAA, EASA	Sextant	TCAS, EGPWS, FADEC, Weather Radar, Dual FMS, Steep Approach, HGS	VITAL X	SimVu
Seattle Q400	2000	D	TC, FAA	Sextant	Dual UNS 1eW (WAAS), TCAS II, EGPWS, FADEC, Weather Radar, Dual FMS, HGS	VITAL X	SimVu
Seattle Q400	2007	D	TC, FAA	Sextant	Dual UNS 1eW (WAAS), TCAS II, EGPWS, FADEC, Weather Radar, Dual FMS, HGS	VITAL IX	SimVu
Farnborough Q400	2006	D	EASA	Sextant	TCAS II, EGPWS, FADEC, Weather Radar, Dual FMS, HGS	VITAL IX	SimVu
Farnborough Q400	2007	D	EASA	Sextant	TCAS II, EGPWS, FADEC, Weather Radar, Dual FMS, HGS	VITAL IX	SimVu
Seattle Q400	2008	D	TC, FAA	Sextant	TCAS II, EGPWS, FADEC, Weather Radar, Dual FMS	VITAL IX	SimVu

*Dry Lease Only

Program Details

Location	Ground School Software	High-Tech Classroom	FTD, CPT, GFS	Differences Courses
Toronto Q100/Q200/Q300	PowerPoint	No	FMST	Q100/Q200/Q300
Seattle Q100/Q200/Q300	PowerPoint	No	CPT, FMST	Q100/Q200/Q300
Atlanta Q100/Q200/Q300	PowerPoint	No	CPT, FMST	Q100/Q200/Q300
Johannesburg* Q100/Q300	N/A	No	None	No
Tokyo* Q400	N/A	No	None	No
Toronto Q400	PowerPoint	No	FMST, 2xGFS	No
Seattle Q400	PowerPoint	No	FMST, Q400 CPT, GFS	No
Farnborough Q400	PowerPoint	No	Q400 FTD, 2xGFS	No

**Dry Lease Only*

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 1.3 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.

Bombardier Dash 8 Q Series Pilot Training

COURSE CURRICULUM	INITIAL	RECURRENT	PRIOR EXPERIENCE
COURSE MODULE	25 DAYS	5 DAYS	9 DAYS
Ground School	57.0 hours	16.0 hours	16.0 hours
Systems Integration Training	17.5 hours	1.0 hours	1.0 hours
Briefing/Debriefing	16.0 hours	4.5 hours	10.0 hours
Simulator (Pilot Flying)	16.0 hours	6.0 hours	10.0 hours

Initial Curriculum – The Initial curriculum is the approved course of training that can lead to an Airline Transport Pilot (ATP) Certificate or the addition of a type rating to an ATP Certificate or Commercial Certificate for the Dash 8 Q400 aircraft. An optional 2-hour check-ride is available at no charge. Additional simulator time may be added to satisfy Regulatory Requirements, but must be scheduled in advance.

Recurrent Course – The Recurrent course provides pilots with the necessary training to become familiar with all of the information concerning major components and systems, performance and limitations, standard and emergency procedures, and the contents of the approved flight manual. Crew Resource Management is included as part of the flight training process. This course does not include an optional check-ride. This course includes progressive 61.58 for FAA licensed pilots only.

Prior Experience Course – DHC-8 SICs who have completed initial training without obtaining a U.S. type rating can take advantage of this approved specialty course to earn a type rating. It also can help a type-rated SIC transition to PIC. To qualify for the course, a pilot must have: 1. Accumulated at least 100 hours in the previous 18 months in the same variant of a Dash 8 or Dash 8 Q400; 2. Completed initial or recurrent training and be serving as crewmember in the same variant; 3. Completed initial or recurrent within the past 36 months and be serving as crewmember in an equivalent aircraft; and 4. Hold an MEL-class rating without centerline thrust limitation. Not available at Farnborough.

Course Length – The Initial Pilot course curriculum includes off days and day of check-ride.

Dry Simulator Leasing – Dry simulator leasing is available at Johannesburg, South Africa, and Tokyo, Japan.

Course Dates – For course dates, please visit our website at flightsafety.com or contact any of the Learning Centers listed below.

Atlanta, Georgia

800.889.7916 • 678.365.2700
fax 678.365.2699
atlanta@flightsafety.com

Farnborough, UK

44.1252.554.500
fax 44.1252.554.599
farnborough@flightsafety.com

Seattle, Washington

888.782.5261 • 206.493.1800
fax 206.493.1801
seattle@flightsafety.com

Toronto, Canada

877.359.3274 • 416.638.9313
fax 416.638.3348
toronto@flightsafety.com

Bombardier Dash 8 Q Series Maintenance Training

COURSE CURRICULUM	DURATION	HOURS
Bombardier DHC-8-Q100/Q200/Q300 (P&WC PW120) Maintenance Initial	4 weeks	146.0 hours
Bombardier DHC-8-Q100/Q200/Q300 Maintenance Initial	3 weeks	113.0 hours
Bombardier DHC-8-Q100/Q200/Q300 (P&WC PW120) Maintenance Practical	2 weeks	60.0 hours
Bombardier DHC-8-Q100/Q200/Q300 Familiarization	1 week	35.0 hours
Bombardier Dash 8 Maintenance Update	1 week	36.5 hours
Bombardier Dash 8 Q100/Q200/Q300 (P&WC PW120) Avionics Initial	3 weeks	115.0 hours
Bombardier Dash 8 Q100/Q200/Q300 (P&WC PW120) Avionics Practical	2 weeks	60.0 hours
Bombardier Dash 8 Avionics	2 weeks	75.0 hours
Bombardier Dash 8 Line Maintenance	1 week	35.0 hours
Bombardier Dash 8 Maintenance Manager	1 week	35.0 hours
Bombardier Dash 8 Engine Run & Taxi	3 days	19.0 hours

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Course Dates – For course dates, please visit our website at flightsafety.com or contact the Learning Center listed below.

Toronto, Canada

877.359.3274 • 416.638.9313

fax 416.638.3348

toronto@flightsafety.com

Bombardier Dash 8 Q Series Maintenance Training

COURSE CURRICULUM	DURATION	HOURS
Bombardier Dash 8 Q100/Q200/Q300 Maintenance Differences	2 days	19.0 hours
Bombardier Dash 8 Q400 Familiarization	3 days	22.0 hours
Bombardier DHC-8-400 (P&WC PW150) Maintenance Initial	4 weeks	149.5 hours
Bombardier Dash 8 Q400 Maintenance Update	1 week	36.5 hours
Bombardier DHC-8-400 (P&WC PW150) Maintenance Practical	2 weeks	60.0 hours
Bombardier DHC-8-400 (P&WC PW150) Avionics Initial	4 weeks	140.0 hours
Bombardier Dash 8 Q400 Avionics	3 weeks	112.0 hours
Bombardier DHC-8-400 (P&WC PW150) Avionics Practical	2 weeks	60.0 hours
Bombardier Dash 8 Q400 Maintenance Manager	1 week	35.0 hours
Bombardier Dash 8 Q400 Advanced Troubleshooting	1 week	33.0 hours
Bombardier Dash 8 Q400 Engine Run & Taxi	2 days	11.5 hours
Bombardier DHC-8-400 (P&WC PW150) Avionics	1 week	31.0 hours

For information on our regulatory training, please contact the Product Sales Manager at the Learning Center listed below.

Course Dates – For course dates, please visit our website at flightsafety.com or contact the Learning Center listed below.

Toronto, Canada

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toronto@flightsafety.com



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 1.3 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.

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