



COURSE OUTLINE

Challenger 850

Pilot Initial

Elevate your training experience.

CAE delivers the ultimate flight training experience for pilots of business aircraft. With safe operations as the top priority, our training programs utilize experienced instructors and highly advanced simulation technology. All training is carried out using computer-based tools, flight training devices, and Level D full-flight simulators. But your other needs are also important. That's why we offer convenient and enjoyable locations, unsurpassed service, and tailored programs and schedules that meet your needs.

Challenger 850 (CL-65 type rating) pilot initial training is a [20-day program](#) and is offered in our [Phoenix](#) and [Toronto](#) facilities — days off vary by location and regulatory agency. To ensure that we meet customer needs and provide a training experience true to the aircraft, we tailor training to your schedule and your operational requirements. Work with the team that works with you.

Your worldwide training partner of choice



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Course overview

Course segments

	Hours
Aircraft Ground Training	65.0
Systems Integration Training	17.0
Flight Training-Simulator (Single)	28.0
Flight Training-Simulator (Crew)	36.0
Oral Portion of the Practical Test	2.0
Practical Test -Simulator (Single)	3.0
Practical Test - Simulator (Crew)	5.0

Ground school curriculum

- Introduction and Administration
- Crew Resource Management Skills
- Aircraft General
- FMS Local Area Navigation
- Emergency Equipment
- Lighting - Initial
- Water and Waste Systems
- Warning Systems
- APU
- Electrical
- FMS Local Area Navigation
- Quick Reference Handbook and Checklist (QRH)
- Standard Operating Procedures (SOP)
- FMS / FMCG
- Powerplant
- Fire Protection
- Fuel
- Aircraft General / Doors
- Warning Systems
- Lighting
- Pneumatic
- Air Conditioning and Pressurization
- Ice and Rain
- Hydraulic
- Flight Controls
- Landing Gear and Brakes
- Communication Equipment
- Flight Instruments
- Auto Flight System
- Navigation Equipment
- Performance and Limitations Review
- Flight Profiles and Maneuvers
- Minimum Equipment List
- Flight Planning and Performance
- Oxygen System
- Interior and Exterior Preflight Inspection
- Written Exam # 1
- Weight and Balance

- Standard Operating Procedures (SOP)
- Oral Exam Preparation
- Adverse Weather Practices
- Controlled Flight Into Terrain (CFIT)
- Surface Movement Guidance Control System (SMGCS)

Simulator sessions

Sim -1-9 includes:

- AFCS Protocol and Precision Approaches
- Review and Missed Approaches
- Instrument and Crosswind Takeoffs
- Cold Weather Operations and Engine Failures
- Circling Approaches
- Unusual Attitudes and No Flap Landings
- Windshear and CFIT Training
- Recommendation and Review
- LOFT

Sim 10 - Practical Test / Proficiency Check

Differences

- N/A

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Simulator profiles

Phoenix	Approvals	Avionics	FMS	Sim level
	FAA	Rockwell Collins Proline 4	Rockwell Collins FMC-4200	D
Toronto	Approvals	Avionics	FMS	Sim level
	FAA TC	Rockwell Collins Proline 4	Rockwell Collins FMC-4200	D

The above course segments are based off FAA approved curriculum.
Please contact your sales representative if you have questions.

For more information please call: **1-800-527-2463** or aviationtraining@cae.com

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