Introduction

CAE Oxford Aviation Academy Brussels, formerly Sabena Flight Academy, is one of the oldest and most highly-respected ab initio pilot training centres in Europe. Located at Brussels Airport in the heart of Europe, CAE Oxford Aviation Academy Brussels has a long history of providing the highest quality flight training to aspiring pilots and airlines.

Building upon a strong heritage and legacy, CAE Oxford Aviation Academy Brussels continues to offer unrivalled ab initio pilot training as part of the world’s largest network of ab initio flight schools.
Why Choose Brussels

Supporting our graduates until they find their first flying role

Through CAE’s strong relationships with airlines in Europe and worldwide, we can help you get your first cockpit job. Our school has an excellent track record of placing our cadets with partner airlines such as Ryanair, Brussels Airlines, Thomas Cook Airlines and Jetairfly.

Safety and innovation

Our students fly modern glass-cockpit trainer aircraft with the latest avionics and safety devices, and train in state-of-the-art simulators.

Efficiency

Our students complete their training in approximately 20 months. The curriculum is designed by an experienced instructor team with civil and military backgrounds.

Premier training

The Integrated Airline Transport Pilot License (ATPL) training program is approved and certified by the United Kingdom Civil Aviation Authorities. Students will be trained following CAE Oxford Aviation Academy best-practice training principles.

High Quality Facilities

CAE Oxford Aviation Academy Brussels is located on the third floor of the CAE Training and Services Centre Brussels, which is in the village of Steenokkerzeel close to Brussels Airport. The facility consists of several offices, five fully-equipped classrooms, a high-tech R/T (Remote Transmitter) Communication training room, a student lounge, and a Basic Flight Course room with PC Simulator equipment.
Integrated ATPL Program

Program Overview

<table>
<thead>
<tr>
<th>Subject</th>
<th>Min required by EASA</th>
<th>Our program</th>
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</thead>
<tbody>
<tr>
<td>Theory</td>
<td>750 hours</td>
<td>750 hours</td>
</tr>
<tr>
<td>Single engine – Diamond 20</td>
<td>140 hours</td>
<td>156 hours (120 SE + 36 ME)</td>
</tr>
<tr>
<td>Diamond 40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twin engine – Diamond 42</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FNPT II</td>
<td>40 hours</td>
<td>40 hours</td>
</tr>
<tr>
<td>MCC + JOC time</td>
<td>15 hours (in a FNPT II)</td>
<td>28 hours (Boeing 737 NG FFS)</td>
</tr>
<tr>
<td>Upset and Recovery</td>
<td>0</td>
<td>3 hours SE</td>
</tr>
<tr>
<td>Observation hours</td>
<td>0</td>
<td>120</td>
</tr>
<tr>
<td>Total</td>
<td>195 hours</td>
<td>227 hours (skill tests not included)</td>
</tr>
</tbody>
</table>

1. Theoretical Module – Brussels
- 8 months
- 750 hrs ATPL theory given in English
- Progress checks
- **Exams: Theoretical ATPL at UKCAA**
- Visits in aviation (Sabena Technics, SNECMA, Eurocontrol, Ground Handling,..)

2. Flight Training – USA
- 7 months
- Located in Falcon Field, Mesa, Arizona
- 10 hrs FNPTII
- 120 hrs Diamond 20/40 (Single Engine – VFR + IFR)
- 13 hrs Diamond 42 (Multi Engine – VFR + IFR)
- 120 hrs as observer – backseating
- **Exam : CPL skill test**

3. Flight Training – Belgium
- 2 months
- 30 hrs FNPT II – Diamond 42
- 23 hrs Diamond 42 (Multi Engine)
- **Exam: IR/ME skill test**

4. Airline Career Preparation Program (ACPP) – Brussels
- 2 months
- Multi crew cooperation + jet orientation course
- Performed on a Boeing 737 next generation FFS
- Aircraft systems and crew resource management
- 28 hours in total

5. First Officer Fundamentals (FOF) – Brussels
- CV and motivation letter course
- Preparation to airline interviews
- “Final report – candidate first officer file”
- Tips & techniques for the selection process
- Airline employment opportunities
Graduate Job Successes (2004 – 2015)

91% currently working in an airline

How fast did they find their first job?

84% of CAE Oxford Aviation Academy graduates found a job within one year of graduation!
Registration – pre entry requirements

To be admitted to the selection tests for the course, the candidate must:

- Be between 17 and 27 years old
- Have successfully completed a secondary education

To be admitted to the selection tests for the course, the candidate must provide:

- A Registration form to get enrolled
- A Curriculum Vitae (CV) and 1 picture
- A copy of an Identity Card or Passport
- A letter of motivation of 20 lines maximum
- A copy of the medical license or a copy of the confirmation of the appointment for the medical examination (see below)
- A certificate of good moral conduct (criminal record)
- Information about Financial planning. This can be done together with a financial institute such as KBC Zaventem or ING Zaventem or with the candidate’s own bank.

A medical examination (CLASS 1) must be done before or at the same time as the selection tests at CAE Oxford Aviation Academy Brussels:

- At BAM (Brussels Aviation Medical) – info@brusselsaviationmedical.be
  Make an appointment by mail or call +32 2 416 22 70
- At MEDEX (Brussels) – medex@health.belgium.be
  Make an appointment by mail or call +32 2 524 97 97
Cost in Detail

Selection tests: € 350

Medical Class 1: € 372

Price of full training: € 97,500** (VAT incl.)

This price includes:

- Theoretical courses 750 hrs
- Flight hours 196 hrs incl. 40 hrs FNPTII
- Upset and Recovery Training 3 hrs
- B737 Next Generation 28 hrs
- Observer flights 120 hrs
- Arizona: Flights, transport, accommodation, Visa
- Extra training: Airline Selection Preparation Program
- Insurance: ‘Loss of License’ + Medical Insurance
- **SkillsPlus Guarantee**
- Refund of training cost in case of “lack of aptitude”
- Exams UKCAA, landing fees, passenger fees, uniforms
- Didactical material (books, manuals, navigation material, flight case,..)
- Uniform
- Renewal of the Medical license EASA + Medical license FAA
- Continuity Program

**Not included in this price:**

- Accommodation costs in Belgium (housing options are available)
- Food costs in Belgium and in the USA

Payment procedure

- Deposit of € 9,750 (start of the training – non-refundable)
- 5 installments of € 17,550 (practical training – refundable through SkillsPlus)
Payment schedule for training

Invoices will be sent 1 month before payment date:

<table>
<thead>
<tr>
<th>Instalment</th>
<th>When</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Start training</td>
<td>€ 9.750</td>
</tr>
<tr>
<td>2</td>
<td>Departure USA (+ 9 months)</td>
<td>€ 17.550</td>
</tr>
<tr>
<td>3</td>
<td>USA (+ 11 months)</td>
<td>€ 17.550</td>
</tr>
<tr>
<td>4</td>
<td>USA (+ 13 months)</td>
<td>€ 17.550</td>
</tr>
<tr>
<td>5</td>
<td>Start Flight Training Europe (+ 16 months)</td>
<td>€ 17.550</td>
</tr>
<tr>
<td>6</td>
<td>Start Simulator training Belgium (+ 18 months)</td>
<td>€ 17.550</td>
</tr>
</tbody>
</table>

Financial planning must be drawn up before applying:

Option 1: Make an appointment with KBC Zaventem or ING Zaventem to get detailed information on how to finance this training.

Option 2: Get in touch with your own bank in order to check financial options

In your application please provide an insight (not detailed) on how you plan to finance your training.

NO HIDDEN COSTS

Financing possibilities are available through KBC Zaventem or ING Zaventem.
How to prepare for selection

We recommend that you brush up on your physics before participating in assessment.

Subjects to Know

- Basic physics sizes (length, mass, angle, t°, volume, speed, acceleration)
- Units (meter, kilogram, second, amps)
- Distance travelled, speed, acceleration
- Weight, mass, density and volume
- Newton’s law, inertia, forces
- Determination of centre of gravity
- Work, energy, power (kinetic energy, pressure energy)
- Thermometric scales: °C, °F, °K
- Pressure, density, t° of a liquid or a gas
- Perfect gases law, Boyle-Mariotte law, Gay-Lussac law, Dalton’s law
- Change of state of a liquid/gas/solid
- Basics of electricity: DC and AC current, tension, equivalent resistance, Ohm
- Basics of magnetism: magnetic field, permanent magnet, lines of flux

Question Example

- A quantity of gas (p = 3 x 10⁵ Pa, T=300K) is compressed until the half of its initial volume and is heated to 70°C. What is the final gas pressure? 
  (Answer: P₂= 6, 86 10⁵Pa)

- Determine the weight (in Newton) of a sphere that has a volume of 1,1 x 10⁻⁷ m³ and a density of 2,7 kg/dm³ (gravitation acceleration: 9.81m/s²)
  (Answer: 2, 91x10⁻³)

- 3 resistances of 5Ω are placed in parallel. Find the value of a unique equivalent resistance.
  (Answer: 1.67Ω)

How to Improve your Physics Level

- By following a Physics Refresher Course (February/July/October):
  5 mornings (08h30 – 12h30)
  Including 3 DVD’s – “Essential Physics”
  300 Euro

- “Theory and Problems of College Physics” – Schaum’s Outline