



Alpha Bravo²

The ATPL plus Bachelor-Program

1) Introduction

The innovative “Alpha Bravo²” joint program will qualify students as an airline pilot and as an expert in aviation with management potential. They get both an ATPL (Air Transport Pilot Licence) by a well-known flight academy (VPS, Germany) and a bachelor degree from two universities (Embry-Riddle Aeronautical University, USA and Wildau University of Applied Sciences, Germany).

Our unique combination of qualifications offers young men and women an entry into the exciting world of professional flying with a sound academic background. This enables them to take on responsibility not only on the flight deck, but also in the operations and management of any aviation-related company or government organisation. They can be assured of a stable career path and may well rise in the ranks to top executive level, especially if they follow up with a master degree later on.

2) Motivation

Young professionals with multiple qualifications such as a pilot and a bachelor of professional aeronautics can expect an increase in career progression as compared to colleagues with just one set of skills. To prospective employers, a pilot with an academic degree is the perfect choice to command the cockpit and the main office.

Currently the demand for pilots is very high in all parts of the world. To train as a pilot is a long-term investment. The combination of flight training and academic education provides a full range of strategic options even in a worst-case scenario.

3) Structure

AlphaBravo² will take three years minimum in a full-time study format. As an option it can be splitted into a full-time and a part-time section. Students are qualified to begin their flying career after two years and may then complete their academic studies parallel to their working life supported by online learning (maximum total program time is seven years):

- courses in ATPL theory and flight training be at the VPS facilities in Berlin, Germany (full-time),
- bachelor study (mainly on-site) at the Wildau University of Applied Sciences in general subjects in methodology and management (full-time or part-time),
- bachelor study (mainly online) at Embry-Riddle Aeronautical University for aviation-related topics (full-time or part-time),
- during the final stage the students will concentrate on their individual specialisation courses offered online by Embry- Riddle and finish their thesis (full-time or part-time).

With their ATPL (Joint Aviation Administration) and degrees as an American Bachelor of Professional Aeronautics (Embry-Riddle) as well as a German Bachelor of Science (Wildau) successful participants are well prepared for a successful working life in the global aviation sector.

4) Contents

VPS – ATPL:

- Pilot training (ATPL theory and flight training)

Wildau – Bachelor of Science (Civil Aviation):

- Mathematics
- Statistics
- Transport Economics
- Engineering Basics
- Management Basics
- Informatics
- Quality Management

Embry-Riddle - Bachelor of Professional Aeronautics:

- Aviation Legislation
- Aviation Law
- Logistics
- Project Management
- Maintenance Management
- Aviation Safety
- International Aviation Management
- Management of Air Cargo
- Corporate and Business Aviation
- Airport Security

Specialisation (3 courses to chose)

- Human Factors in Aviation Safety
- Mechanical/Structural Factors in Aviation Safety
- Aircraft Accident Investigation
- Aircraft Crash & Emergency Management
- Corporate Security

At the end of the program a thesis has to be written.

Topics and contents may be subject to change during the development of the program

5) Partners

The quality of the program is guaranteed by the cooperation of three partners with international experience in aviation, management and research:

- Embry-Riddle Aeronautical University was founded in 1926. It is recognized as the world leader in Aerospace Education including aerospace engineering, aeronautical science, flight and flight testing, aircraft and propulsion systems, avionics engineering, aviation business and marketing and many other associated aviation areas of interest.
- VPS Verkehrspilotenschule is a flight training organization offering ground instruction, single engine through Airline transport pilot ratings. They also offer night flight qualifications and simulation training.

- Wildau University of Applied Sciences is the biggest University of Applied Sciences of the state of Brandenburg situated near the cradle of the German aeronautics tradition south of Berlin, where Otto Lilienthal first took to the air. It has built up a reputation as an academic institution with excellent results in practice-orientated research and teaching in a broad spectre of subjects such as engineering, logistics, informatics, telematics and business administration. The relevant program parts will be managed by its post-graduate school WIT, the Wildau Institute of Technology,

6) Faculty

The Alpha Bravo² teaching staff includes professional pilots and trainers and university professors as well as lecturers with a management background in the aviation sector.

7) Fees

Participants will be registered as students of Embry-Riddle Aeronautical University. The program is financed by tuition fees to be paid for per course or per flight hour taken by the students. The total of costs will be 80 000 € including all flight training.

8) Admission

Applicants must show a German high school degree (Abitur, Fachabitur or Fachhochschulreife) or an internationally accepted equivalent, entry is based upon prior learning experience. They also have to present a medical certificate class 1 and all other legal requirements for a pilots licence. Good mathematics and physics knowledge and a TOEFL test of English language capabilities are required.

Further updated information will be available at www.wit-wildau.de



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