



Bachelor of Science (Honours) in Air Transport

Course overview:

The Bachelor of Science (Honours) in Air Transport is a part-time, fully on-line programme for professional pilots licensed to fly turbine powered aircraft who seek to develop or strengthen their career path through formal university education and qualification. It is offered jointly with Embry-Riddle Aeronautical University and is part of a dual degree programme that will also award students a Bachelor of Science degree in Aeronautics. You will be enrolled with both Embry-Riddle Aeronautical University - Worldwide and the University of Malta and will graduate from both universities with the two awards. Click [here](#) for further details on the Bachelor of Science degree in Aeronautics.

Combining the strengths of the American and European tertiary education systems, the dual degree programme provides you with a deeper scientific understanding of the technology that underpins air transport whilst developing their skills in leadership and management. You will also learn the legal and business principles behind the business models adopted in the air transport industry.

The dual degree programme recognises the training undertaken by professional pilots as prior learning and awards credits towards the award of the two degrees. It specifically builds on the knowledge gained in this training to provide you with a broader and deeper education that is of direct relevance and provides the edge to the professional pilot, both in the air and on the ground, whether in the cockpit, on the ramp or in the office environment.

The programme structure and delivery is specifically tailored for the combined needs of the professional pilot and airline industry, allowing you to continue working as professional pilots whilst studying at your own pace and to immediately apply the learning outcomes at your place of work to the benefit of your organisation.

Learning outcomes:

By the end of the programme, you will be able to:

- Apply the scientific and technical knowledge gained in the programme when trouble-shooting and making decisions;
- Manage cockpit resources more efficiently;
- Apply the knowledge in automation and human factors acquired in the programme to interact with automation in the cockpit more effectively;
- Identify and assess potential failure paths in flight;

- Describe the systems, processes and procedures that are in place to reduce the risk of accident and ensure safety in flight;
- Apply mathematical techniques to data for scientific interpretation;
- Conduct research independently and communicate the results effectively to different audiences;
- Relate technical attributes to business interests;
- Apply business skills in decision-making;
- Adopt a systematic approach in investigation and analysis;
- Identify trends that will shape the air transport industry;
- Manage projects efficiently;
- Communicate effectively in the working environment;
- Apply multidisciplinary knowledge and soft skills in leadership.