

AEROPLANES > HELICOPTERS > DRONES > AIRCRAFT ENGINEERING > AIRPORTS > FLIGHT OPERATIONS

This interdisciplinary degree programme combines the demanding technical principles of aviation with business management and organisation. This gives our students the opportunity to customise their studies by selecting from a range of electives. As part of the 'joanneum Aeronautics' team, students compete with teams from other universities to develop their own aircraft.

Students also undertake a final internship and write a master's thesis to consolidate their knowledge. The contacts they make here facilitate their entry into the world of work after graduation. The international focus of the course is reflected in intensive collaboration with partner universities and the large number of internationally renowned speakers at workshops and symposiums.

Our graduates are highly qualified engineers and ideally prepared for future roles in senior management. They gain the comprehensive know-how that was formerly only possible through years of work experience.

“The studies at FH JOANNEUM in Graz opened the doors for me as the first female graduate to the international aviation industry.”

Anna Dibbern, Graduate
Key Account Management & Sales – Aviation
Mankiewicz Gebr. & Co., Germany

FACTS

- Master of Science in Engineering (MSc)
- Full-time
- 4 semesters / 120 ECTS
- Language of instruction: English
- 25 places per year
- Head of Degree Programme:
FH-Prof. DI Dr. Holger Flühr
- FH JOANNEUM Graz

www.fh-joanneum.at/mav

CAREER PROSPECTS

The aviation industry has experienced continual growth over the last few years, resulting in a constant demand for highly qualified professionals. Our aviation engineers receive interdisciplinary training and have a comprehensive overview of both the aircraft and the processes associated with their development, production and operation. They take on challenging roles in the aviation industry such as concept and design, research and development (design, calculations, testing), innovation management, manufacturing and production.

“I owe the positive development of my career to the technical and economic knowledge I gained during my studies at the Institute of Aviation - Thank you!”

Günter Schindl, Graduate
Managing Director
Aviation Safety & Quality Solutions, Luxembourg

CURRICULUM: 120 ECTS (30 ECTS pro Semester)

1st Semester	2nd Semester	3rd Semester	4th Semester
Human Factors 5 ECTS	Scientific Foundations 5 ECTS	Professional Internship (Seminar / Advising)	Social Skills 5 ECTS
Aerospace Electronic Systems 5 ECTS	Aircraft Systems 5 ECTS		Master's Thesis (Seminar / Advising)
Aircraft Design 5 ECTS	Propulsion Systems 5 ECTS		
Thermo- and Aerodynamics 5 ECTS	Air Transport 5 ECTS		
Aviation Management 5 ECTS	Aviation Industry 5 ECTS		
Elective Courses 1 5 ECTS	Elective Courses 2 5 ECTS		

Scientific Foundations	Aeronautical Engineering	Aviation Management	Specialization
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1st Semester: Elective Courses	2nd Semester: Elective Courses
Project 1 (Scientific work) (5 ECTS)	Project 2 (Scientific work) (5 ECTS)
Aeronautics for Mechanical & Electrical Engineers (3 ECTS)	Aerospace Measurement Techniques (3 ECTS)
Hydraulics & Pneumatics (3 ECTS)	Aerospace Materials (3 ECTS)
Elective Study 1 (2 ECTS)	Elective Study 2 (2 ECTS)
Product Management and Marketing (2 ECTS)	Quality Management (2 ECTS)
Certification (2 ECTS)	Flight Operations (2 ECTS)