

AVIATION ACADEMY

EDUCATION - RESEARCH - PARTNERSHIPS



AMSTERDAMUAS.COM/AVIATION

CREATING TOMORROW

AVIATION ACADEMY

WELCOME ABOARD!

The Aviation Academy is our vision for the future, the aggregate of our education, applied research and continuous cooperation with industry partners. Our focus is to enable present and future professionals in the aviation industry to excel in their jobs. We focus on operational aviation processes, and partner with airlines, ground handlers, airports, Air Navigation Service Providers and government institutions. Our education and research aims to improve the operational readiness of the aircraft (the aircraft as a technical entity) as well as how the aircraft is used to transport people and goods from A to B including the infrastructure needs.

Each of our alumni understands the interrelationship between engineering, operations, business model and regulations. The industry is an integral partner in our activities: in developing our curriculum, providing guest lectures, offering internships and participating in our applied research. The Aviation Academy is developing quickly from an education institution for the Netherlands towards an international knowledge partner. We are constantly expanding our network and look forward to welcoming you as a partner.



EDUCATIONAL EXCELLENCE

The Aviation Academy offers bachelor programs in the fields of Aviation Engineering and Aviation Operations. Professionals prepare for the challenges ahead in their job in the aviation industry. We offer high standard education targeted on two study orientations. The Aviation Engineering/MRO orientation ensures the airplane in the air remains healthy and safe and the Aviation Operations or Air Transport orientation contains the air transportation of passengers and freight from A to B. Our students learn to be an intermediate between all the specialists on an airport. They are able to overlook the consequences of their actions for other chain parties.

The Aviation Academy has excellent working relations with the business community, flight schools, Dutch Air Traffic Control (LVNL) and government institutions, enabling us to make our educational programmes practice-oriented and business relevant. The aviation community is actively involved in the development of the curricula and guest lectures. This ensures that our students gain valuable experience in their future professional fields through internships and work placements. As a result, we continually develop new courses and we see a positive response through the ever-increasing number of students.

After their graduation our students are an asset to many different fields of employment in the aviation sector. They can be found anywhere aircrafts are being designed, used, loaded, handled, maintained and repaired, but also outside the aviation industry e.g. IT and Automotive. Some of our students start training for airline pilot or air traffic controller as specialization within their bachelor program. At the moment we are developing a Master in Aviation Operations program focuses on designing conditions for future operations given changing boundaries due to capacity developments.

APPLIED RESEARCH

The Aviation Academy performs applied scientific research around real-world problems in the aviation sector with the goal of improving and innovating professional practice. We perform all research in close cooperation with industry, governmental agencies, research institutions and universities. This ensures a solid connection with state-of-the-art scientific knowledge, as well as a focus on the most urgent and current problems and challenges on the shop floor.

► Maintenance Process Improvement & Data Use

We explore the possibilities of process improvement for Small- and Medium Enterprises in the Maintenance Repair and Overhaul sector.

► Airport and Airspace Capacity

We study ways to optimize airport capacity based on regional economic developments.

► Human Factors and Safety

We explore the available methods in order to develop an inclusive and realistic model for safety performance, and we evaluate the use of technology in the evaluation and enhancement of human performance.

► Advanced Maintenance Technologies

We are working on a new, non-destructive ultrasonic detection method for composite damage.

"In cooperation with the students and the Aviation Academy we reduced our maintenance process from 56 steps to 13 steps. 'What you think you did perfectly can always be done better'".

- Ton van Deursen
Founder and CEO JetSupport

PARTNERSHIPS

The Aviation Academy creates a platform for academia, government and industry to share and exchange knowledge. We support this through a wide variety of events (courses, round tables, workshops, conferences and seminars). These events provide a continuous dialogue with industry and academia, keep us keenly focused on real aviation industry expectations as well as state-of-the-art knowledge and allow our top-notch educators and students to contribute to practical issues. We often invite prominent guest lecturers and specialists to tell their story and challenge the international audience. A list of forthcoming events can be found on our website.

"Sharing knowledge is the new form of cooperation and our cooperation with the Amsterdam University of Applied Sciences and the Aviation Academy has been a very good example".

- Lieutenant General Schnitger
Royal Netherlands Air Force

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HOW TO COOPERATE WITH THE AVIATION ACADEMY

Many national and international companies, research institutions, universities and governmental agencies have already discovered the benefits of working with the Aviation Academy. We are continuously developing our network. We encourage you to contact us for future cooperation.

► **Expert in an aviation related topic?**

Be our guest lecturer to share your knowledge!

► **University with an aviation department?**

Let's start students and staff exchange and cooperate on research projects!

► **Company active in the aviation industry?**

Work together with us to improve your daily processes or provide an internship and learn from our students while they learn from you!

► **Company representative with interest in aviation?**

Exchange and enrich your knowledge during our events!

► **Researcher?**

Participate in our research projects together with other industry, academia and governmental partners!

For more information or cooperation please visit our website:
amsterdamuas.com/aviation.

