

International Graduate Center
Hochschule Bremen · Germany
City University of Applied Sciences



Full-time master program

Master in Aeronautical Management (M.Eng.)

 MASTER OF ENGINEERING  EN  FULL-TIME



WELCOME

// This program will prepare our graduates for positions in leadership within the aviation industry, the air transport and logistic branch and governmental institutions."

"Welcome to our master program in Aeronautical Management! With aviation developing at accelerated speed it becomes increasingly interesting for pilots, maintenance and technical staff of the aviation systems to complete their technical knowledge and competence by extensive skills in management, economy and

legislation. We are happy to guide and support you on your way into a wide range of career options."

Prof. Dr. Markus Louis

Program Director, Master of Engineering in Aeronautical Management



PROFILE

Full-time Master 100% in English

The master's degree in Aeronautical Management provides students with an interdisciplinary insight into aviation systems, including airlines, maintenance facilities and legislative regulations. Applicants must have a first University degree in aviation systems.

This master of engineering is designed to strengthen competences in general management as well as specifically specialized management for the aeronautical field. The program prepares its participants for leadership positions within aviation systems, air transport businesses and governmental institutions. The teaching staff is composed

of university professors and lecturers with practical experience in the airline industry. Emphasis is laid on an interdisciplinary approach in teaching and learning, leading to diverse teaching methods within the scope of discussions, group work, case studies and seminars. The program is taught entirely in English.



PERSPECTIVES

Give your aviation career a head start by acquiring professional management skills and specialized knowledge of the airline industry. The dynamic context of one of the fastest-growing markets generates a considerable demand for young specialists with profound expertise.

PURSUE YOUR OWN PASSION

The specific focus on aviation systems allows students a number of different perspectives (eg. an economic or legal point of view) as well as the acquisition of extensive knowledge and skills adapted to the changing market needs.

BECOME AN EFFECTIVE LEADER

Participants learn how to plan and act using a solution-based approach to contribute to efficient problem solving within the dynamic

system of the aviation industry. Discussion-oriented learning sessions support participants on their way to becoming responsible decision makers.

PUT YOUR KNOWLEDGE TO THE TEST

Beside theoretical knowledge, students obtain much practical experience through real-life case studies or building an aircraft simulation model from scratch.

ADMISSION REQUIREMENTS

For admission to the program we require the following qualification and documentation:

- **Successful completion of the "International Degree Course in Aviation System Engineering and Management (ILST) B.Eng."** at the Bremen University of Applied Sciences or
- **A comparable academic engineering degree + relevant practical experience as a pilot, in aircraft maintenance or in the aviation industry** with a minimum of 1 year
- **Proof of the applicant's university degree**
- **One year of work experience** (proof of work experience/employer's certificate)
- **Proof of English proficiency** (TOEFL 80, IELTS 6.0, Cambridge B2.2)
- **Curriculum vitae**
- **Passport photograph**

FACULTY AND RESEARCH AT IGC

90%

SHARE OF FACULTY WITH INTERNATIONAL WORK/TEACHING EXPERIENCE

40%

OF TEACHING DELIVERED BY RE-KNOWNED EXPERTS FROM BUSINESS PRACTICE

95%

SHARE OF FULL-TIME FACULTY WITH A PHD DEGREE

107

TOTAL NUMBER OF FACULTY

Not only in student body, but also in academic staff IGC sets great store by internationality and professional diversity: About 90% of the lecturers have international work and/or teaching experience, making an important contribution to sharpen the intercultural skills of the students.

Full-time faculty members of HSB City UAS in general hold (at least) a PhD and have a proven

track record of practical experience relevant to their respective disciplines. Thus, they are able to provide an academic perspective with first-hand managerial experiences.

Moreover, high-ranking part-time lecturers from from business practice familiarize our students with different business sectors and company functions.

KEY FACTS

Degree title:	Master of Engineering	Program start:	October
Structure:	Full-time program	ECTS	60
Instruction language:	English	Tuition fee:	8,500 Euro* + approximately 380 Euro administration fee per semester, including free usage of public transportation in and around Bremen and Lower Saxony, Germany
Class size:	Approx. 20 students		
Program duration:	Two semesters, including master thesis and oral defence		

- ✔ Option to participate in several field trips (not included)
- ✔ Option to take German language courses (one course is for free)

ALUMNI CAREER

The main field of occupation for successful graduates is at the interface between their home countries and international markets. Graduates will primarily work in jobs where a combination of technical expertise and management competency are necessary. This could be the supervision of procurement, production, sales or customer service of enterprises with international activities or within joint ventures

especially in Europe or Asia. Tasks can also evolve in product development and quality management with and/or for international customers and suppliers in the target regions of the program. As a graduate, you will also be part of a network of successful graduates holding key management and leadership positions world-wide.

INTERNATIONAL STUDENT ASSISTANCE (ISA)

Living and studying in another country is both exciting and interesting. At the same time it means a lot of organizational and administrative work. When you come to study at the IGC you do not need to worry about this. Our ISA

service will support and advise you from the beginning on. They will pick you up after arrival, help you in finding accommodation, extending your visa, opening a bank account and they offer cultural events excursions and parties.

CURRICULUM

1st Semester

International Law / Airlaw

Air Transport Business Administration

Management Systems

Risk Management in Airline Operation

Modelling and Simulation

2nd Semester

Simulation of Logistic Aviation Systems

Simulation of Logistic Aviation Systems

Master Thesis

ALUMNI

“I still miss my days in Bremen as it is a lovely place to live and study.”

“MEAM is a wonderful pathway for the engineering students looking to enhance their skills in management and technical areas. The professors in the university are qualified to highest level with a broad knowledge of aviation industry. I still miss my days in Bremen as it is a lovely place to live and study. I am working with TES Aviation Group based in United Kingdom as a Cost Model Engineer and my role includes detailed technical and commercial analysis to produce engine cost models (RB211, CFM56, CF6-80, V2500 etc.) that are critical to realizing the company business strategy.”



Muhammad Saleem
Pakistan

“I was able to greatly deepen my knowledge of management in the aviation industry.”

“I found this Master program to be a perfect addition to my Bachelor degree course in Aviation Systems Engineering and Management. In only two semesters, I was able to greatly deepen my knowledge of management in the aviation industry, having completed a degree course focused rather on engineering before. The practice-oriented approach, especially working on real-life tasks in small groups, appealed to me. The lecturers were always available for further questions and discussions about current events of the industry. I am looking forward to utilizing my expertise besides flying as a First Officer.”



Florian Andresen
Germany

IGC – STUDY IN THE HEART OF BREMEN

The International Graduate Center (IGC) was founded by Hochschule Bremen City University of Applied Sciences as an interdisciplinary Graduate School for Management and Leadership.

For applicants with a first university degree IGC offers several MBA and master degrees in the area of international and European business and management. The IGC guarantees a postgraduate education which satisfies both academic and job requirements in equal measure. With six fulltime and three part-time master programs IGC is one of the largest

providers of continuing education on master's level in Germany.



STUDENTS



NATIONALITIES

OUR PROFILE FOCUS: SUSTAINABILITY & SOCIAL RESPONSIBILITY

A strong commitment to sustainable management education and to ethical behavior in business is a key feature of IGC, with sustainability and social responsibility at the core of our value-orientation. This is reflected in our expectation of every member of the school to respect our core values, in the demands we set ourselves on resource-efficient and sustainable management, and in the design of our curricula. Furthermore, IGC has been the first higher education institution in Germany to receive an "Economy for the Common Good" certificate, which evaluates its success in providing an environmentally friendly and fair distribution of

education. IGC has become a member of network associations in the field of management development to further develop its profile focus and its quality system.



CONTACT



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QUALITY

HSB City University of Applied Sciences has already received several prestigious awards for the quality of its international and practice-oriented teaching. Accordingly, we have committed ourselves to a high quality standard.

Our Master in Aeronautical Management holds national accreditation by AQAS, an independent, non-governmental accreditation agency in Germany, which has assessed and approved of various aspects of the program, such as study plans and organization, academic and teaching quality, relations to practice and internationalization.

IGC is dedicated to a practice- and application-oriented study approach, a truly international and intercultural orientation as well as an ongoing dialogue between science and business practice. With all this IGC is a reliable partner for the academic training of leadership personnel and managers.