

WELCOME

"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.

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

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

Prof. Dr.-Ing. Bernd Steckemetz
Program Director, Master of Engineering in Aeronautical Management



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.



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. Against this background, IGC has become a member of AACSB (the Association to Advance Collegiate Schools of Business) to further develop its profile focus and its quality system.



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.



CONTACT



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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



As of: February 2018

PROFILE

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.

KEY FACTS

Degree title:	M. Eng.	ECTS	60
Structure:	Full-time program	Tuition fee:	8,500 Euro* + approximately 325 EURO administration fee per semester, including free usage of public transportation in and around Bremen and Lower Saxony, Germany
Instruction language:	English		
Class size:	Approx. 20 students		
Program duration:	Two semester, including master thesis and oral defence		*(As of 02/2018)
Program start:	October	Application deadline:	tba on our website

- Option to participate in several field trips (not included)
- Option to take German language courses (one course is for free)
- Work-seeking visa of 18 months after graduation for Germany

ADMISSION REQUIREMENTS

For admission to the program we require the following qualifications 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

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 to satisfy their interest in the field from a number of different perspectives – either from an economic point of view or from the perspective of the sector's legal environment. The various modules facilitate the acquisition of extensive knowledge and skills adapted to the changing market needs.

Become an effective leader

As an example, the module "Human Factors in Leadership" enables participants of this program to specifically 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. Together with the module "Management Systems," these types of discussion-oriented learning sessions support participants on their way to becoming responsible decision makers.

Put your knowledge to the test

Besides imparting theoretical knowledge, the practical application and use of the acquired knowledge in the future working area constitutes an essential part of the

studies. In the first semester, students obtain an insight into the complex issue of airline management in the context of a real-life case study. In this manner, they understand the interdependency between the different parties involved. Furthermore, the practical part of the module "Modelling and Simulation" even makes it possible to build an aircraft simulation model from scratch.

Upon successful completion of the program, graduates are entitled to use the internationally recognized title "Master of Engineering (M.Eng.) in Aeronautical Management."



ALUMNI CAREER



Found a new job within 6 months of graduation



Improved professionally immediately after graduation



Actively use the alumni network



Would recommend to study at IGC

The program is offered to obtain competences for careers in the international aviation industry. The master program will prepare candidates for positions in leadership within airline industry, air transport and governmental institutions. It will enable you to understand the role and connectivity of aircraft producers, airlines, air traffic systems, airports and legal authorities.

The IGC also offers you the opportunity to develop and strengthen your specialist knowledge in (e.g.) the field of solving an aviation practice related and interdisciplinary topic in a scientific and comprehensive manner.

Our Career Service prepares you for your next move by providing career counselling, skills evaluation, resume writing classes and interview preparation.

CURRICULUM

1st Semester	2nd Semester
1 International Law / Airlaw	6 Simulation of Logistic Aviation Systems
2 Air Transport Business Administration	7 Modelling and Simulation
3 Management Systems	8 Master Thesis
4 Risk Management in Airline Operation	
5 Human Factors in Leadership	

ALUMNI

Muhammad Saleem, Pakistan

"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."

Florian Andresen, Germany

"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."

FACULTY



Share of faculty with international work/teaching experience



of teaching delivered by renowned experts from business practice



Share of full-time faculty with a PhD degree



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.