



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Industrial Engineering and International Management (MSc)

Hochschule Fresenius - University of Applied Sciences • Köln

Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	All courses are held in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	It is possible to submit applications all year round.
Tuition fees per semester in EUR	5,280 EUR
Additional information on tuition fees	Please note: Tuition fees for non-EU nationals may vary. Please consult our international team for further information by using this form . Registration fee 595 EUR
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>Whether due to artificial intelligence (AI) or the Internet of Things, the Fourth Industrial Revolution (4IR) opens up all sorts of opportunities for companies. However, it also brings about major challenges, because companies have to find specialists with a range of management skills to offer alongside in-depth scientific expertise.</p> <p>Do you already have a Bachelor's degree in engineering or a science subject? Are you looking to expand your skills, while learning how to live up to the challenge of the Fourth Industrial Revolution (4IR) at the same time? Then this Master's in Industrial Engineering and International Management (MSc) could be just what you are looking for. This study programme taught in English will give you the very tools you need for a future job in the industry of tomorrow!</p>

Course Details

Course organisation	<p>The Master's programme in Industrial Engineering and International Management (MSc) centres on the major engineering issues of our time, such as the use of artificial intelligence and the development of circular economy technologies. During your studies, you will acquire not only the skills required to optimise processes, solve problems, and professionally represent international manufacturing and engineering companies, but you will also gain the knowledge needed to develop technical solutions to the ecological and social challenges of our global society.</p> <p>During your studies, you will complete modules in these areas:</p> <ul style="list-style-type: none">• Industrial Engineering Tools and Processes• Engineering and Sustainability• International Management• Financial Management <p>In your second semester, you can choose either Digital Industry and Smart Production or Data Science and Machine Learning as your major. This allows you to tailor your studies to your personal career plan.</p>
International elements	<ul style="list-style-type: none">• Specialist literature in other languages• Training in intercultural skills
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	5,280 EUR
Additional information on tuition fees	<p>Please note: Tuition fees for non-EU nationals may vary. Please consult our international team for further information by using this form.</p> <p>Registration fee 595 EUR</p>
Semester contribution	Included in tuition fees
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	<p>University entrance qualification Bachelor's degree with 180 ECTS credits</p> <p>In order to meet the requirements of the German Qualifications Framework for Industrial</p>
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Engineering (Qualifikationsrahmen Wirtschaftsingenieurwesen), successful candidates must demonstrate the following minimum requirements from their Bachelor's programme:

- 60 credit points in STEM subjects (Science, Technology, Engineering, Mathematics)
- 10 credit points in their thesis or project

Language requirements

Applicants must provide proof of their English skills through one of the following methods:

- TOEFL (minimum 80 points Internet-based)
- IELTS (minimum 6.5)
- minimum 60 ECTS from a Bachelor's programme conducted in English
- internal test of Hochschule Fresenius University of Applied Sciences

Application deadline

It is possible to submit applications all year round.

Submit application to

Submit application [here](#).

Services

Accommodation

Accommodation is available on the private market. Rent for a single room in a shared flat is approx. 350 to 400 EUR.

Hochschule Fresenius University of Applied Sciences offers support to students seeking accommodation. There is a platform on the website that announces private accommodation vacancies. The Central Administration Office also distributes current lists of available flats and contacts new providers of accommodation.

Career advisory service

Request further information [here](#).

Support for international students and doctoral candidates

- Welcome event
- Buddy programme

Hochschule Fresenius - University of Applied Sciences

Hochschule Fresenius University of Applied Sciences is one of the oldest private universities in Germany. It is state-recognised and has an academic and educational tradition stretching back about 170 years. The International Business School is a school of Hochschule Fresenius University of Applied Sciences. Its English-taught programmes attract international students and offer globally-oriented students an international dimension in higher education. The resulting study groups provide exciting possibilities for students to build bridges across cultures at the start of their academic careers.



University location

Cologne is a bustling metropolis of over a million people, with a diverse range of impressive sights. As one of Germany's major university cities, it is not only a centre for academia and student life, but also has a vibrant business and arts community. The open, uncomplicated character of the "Kölner" make it one of Germany's friendliest cities. With its rich multicultural blend and its geographic location in the heart of Europe – the Netherlands, Belgium, and Luxembourg are literally just round the corner, while Amsterdam, Brussels, and Paris can be easily reached by train – it is a particularly appealing place to study. Its significance as a business location makes Cologne the ideal place to start a degree in Germany. The city is a leading media centre, with many traditional newspaper and magazine companies. It is also the home of a vibrant radio, music, film, and television scene. Additionally, it has a retail and trade fair tradition that goes back centuries. With its vast number of retail and industrial companies, in addition to its IT firms and start-ups, Cologne is an attractive destination for global citizens in every industry.

Contact

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Study Advice

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🌐 Course website: <https://www.hs-fresenius.com/study-programs/industrial-engineering-and-international-management-master/?crmid=bBcTjNcDaBaCau>

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International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

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Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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