

# Master's degree programme / Full-time INTERNATIONAL INDUSTRIAL MANAGEMENT

The International Industrial Management programme is your key to success. And you have the choice either to consolidate your knowledge in Industry 4.0 or Supply Chain Engineering, or to study a wider range of subject areas and broaden your general industrial management know-how.

## What you will study:

### General Management. Leadership.

You enhance your managerial expertise in everything from leadership skills to general management, creating the basis for a successful future career in industrial management. You develop sustainable strategies in areas including innovation, entrepreneurship and product lifecycle management.

### Specialisation: Smart Production & Services.

You study the industry of the future, from smart manufacturing to big data analysis and lean production. Emphasis is placed on both the technological requirements, such as cyber-physical systems and corporate information systems, as well as new processes and business models including service engineering enabled by digital transformation.

### Specialisation: Supply Chain Engineering.

You learn to optimise the supply chain in technical purchasing and sales. This requires you to study strategic procurement, logistics and supplier management, as well as the information and control systems used in materials management. Moreover, you learn more about customer relationship management, marketing and multi-channel management.

### International research project.

In the second semester you carry out an international research project. There is also an opportunity for you to complete one or two semesters abroad, which increases your international employability.

## FACTS



Diplomingenieurin / Diplomingenieur (DI)



Full-time



4 semesters / 120 ECTS



FH JOANNEUM Kapfenberg



Language of instruction:  
German / English

- 20 places per year
- Head of Degree Programme:  
FH-Prof. Mag. Dr. Martin Tschandl
- Tuition fees: no tuition fees for students from the EU, EEA and Switzerland
- All information about deadlines, requirements, application and admission can be found online.
- [www.fh-joanneum.at/iim](http://www.fh-joanneum.at/iim)

## Did you know ..

.....that one of the largest teaching and research facilities in Austria – the Smart Production Lab – is available to you here on campus? You can use it to help shape Industry 4.0.



## Organisation

Courses are run from Monday to Friday during the first two semesters. In the third semester attendance is mandatory only on Friday afternoons and on Saturday, allowing you to start working in your chosen career even before completing the programme.

*“Volatile markets require flexible companies and managers. This practical and interdisciplinary training is the ideal basis for meeting these high requirements.”*

DI Gernot Mauthner, BSc, Graduate  
Global Project Manager, Hoerbiger USA

## Career prospects

Our graduates are provided with a broad technical and business training across the supply chain. This creates a wide range of options because graduates can work in all industries and in virtually any position – both nationally and internationally. Our graduates are qualified to take on management roles in areas such as:

- technical and strategic procurement
- logistics and materials management
- (technical) sales / marketing
- production management – digitalisation, service engineering
- project and process management
- supply chain controlling
- sales controlling
- purchasing controlling

CURRICULUM: 120 ECTS (30 ECTS per semester)

| 1st semester                                      |  | 2nd semester                     |   | 3rd semester                                   |   | 4th semester                     |  |
|---|--|----------------------------------|---|--|---|----------------------------------|--|
| Production Technologies & Optimisation<br>10 ECTS | Industrial Management & Engineering<br>10 ECTS | Strategic Management<br>7.5 ECTS |   | Smart Production I<br>6 ECTS                   | Supply Chain Management<br>6 ECTS             | Global Economics<br>2 ECTS       | Product Lifecycle Management<br>2 ECTS |
| Lean Production<br>6.5 ECTS                       |  | Law for Executives<br>4 ECTS     |   | Planning & Production Controlling<br>6 ECTS    | Planning & Supply Chain Controlling<br>6 ECTS | Negotiation (Elective)<br>2 ECTS |  |
| Supply Chain Engineering I<br>6.5 ECTS            | International Management<br>4.5 ECTS           |                                  | Specialisation Smart Production & Services* | Smart Production II<br>7 ECTS                  | Supply Chain Engineering II<br>7 ECTS         | Master's Thesis<br>24 ECTS       |  |
| Leadership Competences<br>4 ECTS                  | Research & Project<br>14 ECTS                  |                                  |   | Service Engineering & Production Lab<br>7 ECTS | Supply Chain Computing<br>7 ECTS              |                                  |  |
| Operations Analytics<br>3 ECTS                    | Specialisation Supply Chain Engineering*       |                                  | Leadership in Smart Production<br>4 ECTS    | Leadership in Supply Chain<br>4 ECTS           |   |                                  |  |

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|---|
| Engineering                                     |
| Management                                      |
| Integrated                                      |
| Master's Thesis (Engineering and/or Management) |

\* In the 3rd semester students can specialise in Smart Production & Services or Supply Chain Engineering.