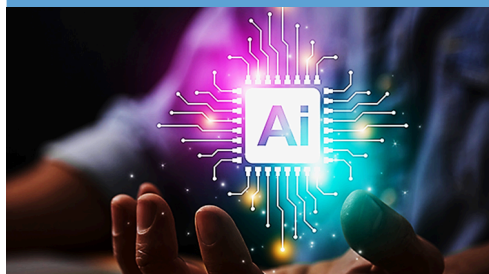


Industrial Artificial Intelligence

Hochschule Albstadt-Sigmaringen, Campus Albstadt
Master of Science



General

Because this technology is changing the world of work: 'By 2030, around 30% of current working hours could be automated by technology, including generative AI' (McKinsey Global Institute, 2025). All areas of companies will be affected, including production, logistics or supply chain, planning, purchasing, manufacturing or assembly and many more.

Interested in playing an active role in shaping the topic of artificial intelligence? Then the Industrial Artificial Intelligence degree programme could be just right for you. You will effectively link the relevant industrial business areas with artificial intelligence, recognise efficiency potential and implement your findings in practical projects with companies. Learning by doing will lead you to success in this project-oriented degree programme.

Deutschsprachige Bewerber

Der englischsprachige Masterstudiengang Industrial Artificial Intelligence ist für internationale als auch deutsche Studierende gleichermaßen geeignet.

Teile der Veranstaltungen, wie z.B. Projekte, finden bilingual, d.h. in Deutsch und Englisch, statt. Englischkenntnisse auf dem Sprachniveau B2 (= i.d.R. erreicht über das Abitur oder Bachelorstudium) sind Voraussetzung für deutsche und internationale Studienbewerber.

Start: Summer / winter semester

Duration of study: 3 Semester

Degree: Master

Faculty: Engineering

Campus: Campus Albstadt

[Flyer >](#)

[Module handbook >](#)



Hochschule
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Content

What does the Industrial Artificial Intelligence (IAI) Master's programme look like?

The programme combines theory and practice within the framework of projects. Learning by doing is at the centre of the course. Different specialisations are taught in each semester:

- The **Industrial Operation and Transformation** specialisation deals with the relevant AI application areas and the associated, marketable AI tools that shape everyday practice
- The **Artificial Intelligence and Data Engineering** specialisation provides in-depth knowledge that enables you to independently develop and refine AI tools and thus make an important contribution beyond the practical application of tools.

Semester structure / programme content

You will acquire comprehensive knowledge in AI-orientated Python programming, machine and deep learning as well as generative AI. You will also expand your knowledge of big data, data science and data engineering. This knowledge is supplemented by practical knowledge of

application software packages from well-known manufacturers (e.g. Microsoft, SAP, Siemens, AWS), which deal with topics such as ERP systems, cloud computing, robotic process automation, business intelligence and analytics.

Prospects

Your future:

what you can achieve with your degree

With your degree, you will have a wide range of career opportunities, some of which we cannot even fully assess today. In addition to the traditional areas of employment / job offers, there are also new areas of employment for IAI Master's graduates that are being created by AI in companies.

These include the following jobs:

- **AI engineer** - These are responsible for integrating artificial intelligence into existing industrial systems or developing it for these systems themselves.
- **AI consultant** - They carry out analyses and develop concepts for the introduction of AI technology and its application to increase costs and efficiency in industrial business areas.
- **AI-Business Developer** - Has to develop and implement AI/ML models and solutions for specific business challenges.
- **AI-Product Manager** - A specialist to oversee, create and manage products that utilise AI technologies.
- **AI-Research Scientist** is a professional who conducts research and development in the field of artificial intelligence.

Application

Application to Albstadt-Sigmaringen University

Apply now!

Would you like to start the Bachelor's program Industrial Artificial Intelligence? Then apply online directly.

Our online application portal is available to you here. Please make sure to observe the application deadlines.

[Go to the application portal >](#)