

# Branch : IT and communication



**Code :** ARTINT

**Option :** Artificial intelligence

**Level:** Bachelor

**Prerequisites:** Scientific baccalaureate or equivalent

**Opportunities:**

## **JUNIOR DEVELOPER FOR AUTONOMOUS VEHICLES**

Self-driving cars will shape the street scene in the coming years. But robots in warehouses and trucks are also increasingly equipped with artificial intelligence technologies. If you specialty in this area during your degree, you can take off in development teams after graduation and help shape the future of mobility.

## **(JUNIOR-) DEVELOPER FOR THE INTELLIGENT FACTORY**

Robots with artificial intelligence can learn like humans: they are able to identify and perform their tasks autonomously. If you decide to specialize in the field of automation and robotics, you will be part of the rapid developments in the fields of smart factory, smart production and industry 4.0. Because you bring all the skills needed to gradually change the way factories and production sites operate.

## **(JUNIOR-) DEVELOPER:IN FOR AUGMENTED REALITY (M/W/D)**

Immersing yourself in virtual or augmented realities is not only fun, but also has many useful applications: from realistic learning environments to remote sensing of dangerous locations. Our bachelor programme gives you all the necessary skills to successfully position yourself in this field with your specialization in AR/VR development

## **Description**

The core elements of your Artificial Intelligence (BSc) degree program are the basics of mathematics and statistics as well as machine learning, reinforcement learning and deep learning. Or prepare yourself for the whole field of automation and robotics in the smart factory of tomorrow. In data engineering or as a database developer, you are responsible for the AI infrastructure. As a "data analyst", you build a bridge to the field of data science. And with your specialization as an 'AR/VR developer', you create virtual worlds. All this is possible. Not only in the future, but already today.

## **Specific competences:**

Autonomous driving, smart factories, industry, robotics: all of these can be controlled even more efficiently with AI applications. Artificial intelligence is divided into 'general AI' and 'narrow AI'. Your Artificial Intelligence curriculum deals with Artificial Intelligence in the narrow sense. Ergo, with developments that can handle concrete tasks comparable to or better than those of a human. What is required here is a broad knowledge of the various applications of AI. Your studies? It is also extremely diverse and interesting. You can start as a school leaver, an interested person or even if you already have work experience and are now aiming for a university degree.

## **Quality and competences:**

This means you need to have skills in mathematics and logical and abstract reasoning. During your AI studies, you will also learn and understand language and image processing methods, user interface/UX, cloud computing and software engineering in a practical way. At the same time, you will refine your specialist knowledge in specific application areas. For example, specialize in autonomous driving, which allows you to control not only cars, but also storage robots.