

# Branch: Engineering of Production Systems



**Code:** INGEND

**Option:** Industrial engineering

**Level:** Bachelor

**Prerequisites:**

**Opportunities:**

PROJECT MANAGER SMART FACTORY / INDUSTRY

As a project manager for the smart factory/industry 4.0, you will develop holistic manufacturing concepts for networked and digitalized production. You will also assume responsible tasks in the planning and automation of the digital factory.

SENIOR MANAGER / INTELLIGENT PRODUCTION

Senior Managers for Intelligent Production develop innovative tools for digital networking and new methods of data evaluation within the framework of Industrial Production 4.0. In doing so, they are responsible for the digitalization and standardization of current processes.

CONSULTANT / DIGITAL EXPERT PLANT PLANNING AND AUTOMATION

If you opt for a career as a consultant or expert in digital factory planning and automation, you will deal with digital change projects in Industry 4.0 as a consultant. The aim of your work as a consultant is to support companies in the implementation of automation processes in production.

## **Description**

In the Master of Industrial Engineering program at UUT, you will acquire an agile and digital mindset and deepen the interdisciplinary aspects of automation and intelligent product-service systems. All this with a strong practical orientation, as this is an absolute necessity for this engineering degree program.

## **Specific competences:**

The tension between business and technology is your stage. With the Master of Industrial Engineering, you will evolve in the era of the fourth industrial revolution. You will acquire solid digital expertise to successfully manage and implement digitalization projects in an industrial context. In this way, you will become a generalist who actively shapes the digital transformation in industry.

## **Quality and competences:**

You will also learn all about production management and agile leadership. At the same time, you will deepen your knowledge of information technology, business administration or engineering, depending on your interests.