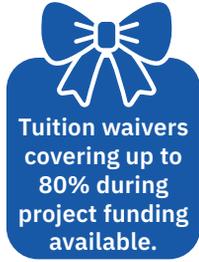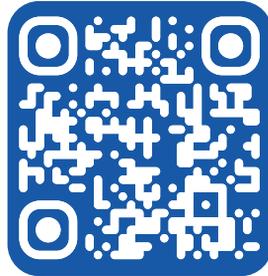# Artificial Intelligence for Connected Industries

Tuition waivers covering up to 80% during project funding available.

Our flexible and career-integrated program for those looking to advance their skills in AI, connected industries, and engineering of complex systems.

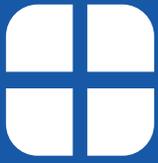**AI4CI**

Project ID: 101123524

Co-funded by the European Union

study while working

modular | flexible | individual

S chool of
A dvanced
P rofessional
S tudies

Master of Science

Artificial Intelligence for Connected Industries

Compulsory Group (36 CP)
- Artificial Intelligence and Machine Learning for Connected Systems (6 CP)
- Master's Thesis (30 CP)

Compulsory Elective Groups
a minimum of 12 CP is needed in each group:

Systems & Networks
- Wireless Sensor Networks (6 CP)
- Design Methodology of Embedded Systems (6 CP)

Automatics & Robots
- Signals and Systems (6 CP)
- Control System Theory and Engineering (6 CP)
- Robot Operating Systems (3 CP)
- Learning Robots (3 CP)

Processes & Data Management
- Data & Process Mining (6 CP)
- Business Process Modeling (6 CP)

Free Elective Group (at least 6 CP)
- Pattern Recognition and Deep Learning (6 CP)
- Machine Learning with Python (3 CP)

Please note this is only an excerpt of the modules available at Ulm University.
Modules can also be chosen at partner universities – Conservatoire National des Arts et Métiers (France) and CNAM Grand Est (France), Avignon Université (France), Universitat Politècnica de Catalunya (Spain), National Technical University of Ukraine (Ukraine), and Universitatea Babeş-Bolyai (Romania) – or of the programs Sensorsystemtechnik (Sensor Systems Engineering) and Business Analytics at Ulm University.

Study format
- career-integrated
- blended learning

Credit Points (CP)
- 90 CP according to ECTS

Study duration
- at least 3 semesters
- individually bookable

Prerequisites
- 1st academic degree with at least 180 CP
- at least one year of qualified professional experience

Tuition
- Microcredentials: starting from € 195 per CP
- Master's Thesis: starting from € 60 per CP
- administration and student union fee per semester

Registration
- winter semester July 15th
- summer semester January 15th

Language
- English (level B2)

School of Advanced Professional Studies

universität uulm

THU Technische Hochschule Ulm