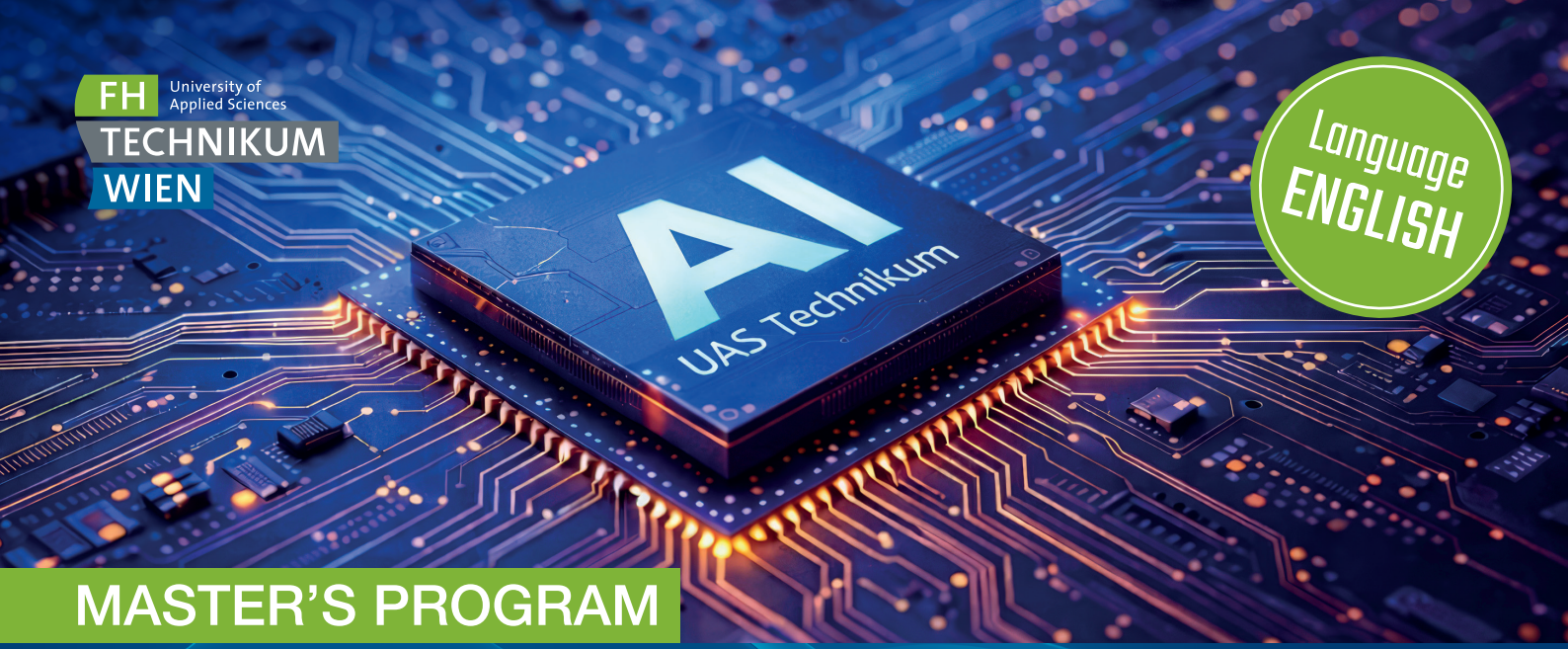
FH University of Applied Sciences
TECHNIKUM WIEN



Language ENGLISH

MASTER'S PROGRAM

ARTIFICIAL INTELLIGENCE & DATA SCIENCE

Deep Algorithms. Real-World Impact.

Become a specialist in AI and Data Science through a curriculum that emphasizes deep algorithmic understanding, practical applications, cutting-edge tools, and strong industry relevance.

DURATION: **4 SEMESTER**	DEGREE: **MASTER OF SCIENCE IN ENGINEERING**	
LANGUAGE: **ENGLISH**	ADMISSION PLACES: **60**	ORAGNISATION FORM: **EVENING FORM**
COST: **€ 363,36 TUITION FEE, € 26,20 ÖH FEE / € 3.000 Tuition fees for students from third countries**		

Available Double Degree program(s): Buenos Aires Institute of Technology

CHANGE OUR TOMORROW

„Artificial intelligence is one of the most strategic topics of our time. Graduates are in high demand and a wide range of fascinating careers is open to them."
Bernhard Knapp, Program Director



1. SEMESTER	ECTS
Machine Learning 1: Fundamentals	5.00
Data Engineering and Visualisation	5.00
Software Engineering Practices in Machine Learning	5.00
Statistical Computing	5.00
Business Development & Innovation	3.00
AI Requirements Engineering	2.00
Intercultural Leadership and Management	5.00

2. SEMESTER	
Machine Learning 2: Algorithms	5.00
Elective:	5.00
Natural Language Processing AI	
Evolutionary and Logic-Based AI	
Data Warehouse & BI	
PBL Project in AI & Data Science 1	5.00
PBL Project in AI & Data Science 2	5.00
Research Paper Seminar	5.00
Elective:	5.00
Computer Vision AI	
Big Data Analytics	
Predictive Maintenance	

3. SEMESTER	
Master Thesis Project	5.00
Elective:	5.00
Machine Learning Engineering	
Autonomous AI Systems & RFL	
Data Science with R	
Special Chapters in AI & Data Science	5.00
AI and Data Law	3.00
AI and Data Ethics	2.00
MLops	5.00
Elective:	5.00
Robotics AI	
Explainable and Trustworthy AI	
AI-driven Marketing	

4. SEMESTER	
Master Thesis	25.00
Master Thesis Seminar	5.00

You can choose 4 specialisation electives (5 ECTS each) and further specialise your expertise through project-based learning topics (5+5 ECTS). This lets you shape a learning path that matches your professional and academic interests.

BRIDGING THEORY AND APPLICATION

Intelligent systems are already deeply embedded in our lives: generative AI creates text, images, speech and code; chatbots and virtual assistants interact naturally with users; AI agents autonomously plan, make decisions, use tools, and execute multi-step tasks to achieve specific goals; autonomous systems navigate cars and drones; and smart devices coordinate connected homes. In science and medicine, AI models predict protein structures, accelerate drug discovery, and support diagnostics through large-scale image and data analysis.

UAS Technikum Wien offers an updated AI Master's program for professionals with a technical or analytical background who want to deepen their expertise in AI and data-driven technologies. Students learn to connect data and decision-making, designing AI solutions that create real value across business, technology, and society. The curriculum provides an in-depth grounding in AI algorithms and computational methods, enabling the students to build intelligent systems or apply cutting-edge frameworks. Through hands-on projects, students tackle real-world challenges in automation, analytics, and intelligent decision-making while developing leadership and innovation skills for global AI-driven environments.

Evening classes, small groups, and close ties with industry partners ensure that your studies remain relevant, applicable, and future-oriented.

CAREER PERSPECTIVES

Through elective courses and Project-Based Learning (PBL) projects this AI Master gives you the flexibility to focus your studies in the direction that suits you best — as an AI Engineer, creating intelligent systems, or as a Data Scientist, transforming data into meaningful decisions.

Potential career paths include but are not limited to:

- AI Engineer / Machine Learning Expert
- Data Scientist / Data Engineer
- AI Project Manager / Product Owner
- Innovation & Business Development Expert
- Researcher or Consultant in AI-driven Transformation

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FURTHER INFORMATION, CURRENT DATES AND CONTACT DATA: www.technikum-wien.at/ai