

» STUDY PROGRAMME 2026-2027

CTAI Core

SEMESTER 1	SEMESTER 2	SEMESTER 3
Data Science (6 ECTS)	Machine Learning & AI (6 ECTS)	Deep Learning (6 ECTS)
Basic Programming (6 ECTS)	Data Visualization (6 ECTS)	Reinforcement Learning (6 ECTS)
AI Applied Maths (6 ECTS)	Containers and Orchestration (6 ECTS)	AI-Driven Software Engineering (6 ECTS)
Computer Networks (3 ECTS)	Sensors & Interfacing (6 ECTS)	Cloud & AI Services (6 ECTS)
Data Management (6 ECTS)		Team Project (6 ECTS)
AI Concepts (3 ECTS)		

● Code ● Design ● Connect ● Analyze ● Integrate

Programme is subject to change



Want to know more about **study credits (ECTS)**? Visit www.howest.be/studycredits

» 2 UNIQUE TRACKS

After your first year and a half, you choose one of two specialisation tracks. This lets you dive deeper into what you like most and grow into an expert in your field.

AI-Driven Robotics

SEMESTER 4 	SEMESTER 5 	SEMESTER 6 
Robotics Vision & Perception (6 ECTS)	Generative AI (6 ECTS)	Internship (24 ECTS)
Backend Development (6 ECTS)	Physical & Swarm AI (6 ECTS)	
3D Programming (6 ECTS)	MLOps (6 ECTS)	
Big Data (6 ECTS)	Innovation & Research Project (12 ECTS)	
Industry Project (6 ECTS) 		Bachelors Thesis (6 ECTS)

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 **Short-term mobility:** within these courses you can choose a short international experience.

 **Long-term mobility:** within these semesters, you can choose to study abroad or do an internship abroad.

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AI Developer

SEMESTER 4 	SEMESTER 5 	SEMESTER 6 
Advanced AI (6 ECTS)	Generative AI (6 ECTS)	Internship (24 ECTS)
Backend Development (6 ECTS)	Advanced Data Engineering (6 ECTS)	
3D Programming (6 ECTS)	MLOps (6 ECTS)	
Big Data (6 ECTS)	Innovation & Research Project (12 ECTS)	
Industry Project (6 ECTS) 		Bachelors Thesis (6 ECTS)

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