

Artificial Intelligence

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5 	SEMESTER 6 
Computer Architectures & Operating Systems (6 SP)	Computer Networks (6 SP)	Operating Systems Concepts (3 SP)	Reinforcement Learning (3 SP)	AI and Security (3 SP)	Professional Networking (6 SP)
		Data Analytics (3 SP)	Neural Networks and Deep Learning (6 SP)	AI Ethics (3 SP)	Internship (24 SP)
Problem Solving (3 SP)	Introduction to AI (3 SP)	AI Fundamentals (6 SP)		Trending Topics in AI (3 SP)	
Communication Skills (3 SP)	Programming Project (6 SP)		Data Collection and Preprocessing (3 SP)	AI Project (6 SP)	
Business Solutions (3 SP)			Analysis and Development Project (6 SP)	Machine Learning (6 SP)	
Databases Fundamentals (3 SP)	Application Prototyping (3 SP)	Thesis Artificial Intelligence (6 SP)			
Programming Fundamentals (6 SP)	Object Oriented Programming (6 SP)	Information Modeling (3 SP)	MLOps and AI design patterns (6 SP)		
		Databases Advanced (3 SP)			
Web development Fundamentals (6 SP)	Web Development Essentials (3 SP)	Object Oriented Architectures and Secure Development (6 SP)	AI and Data regulation (3 SP)	Cloud Computing for AI (6 SP)	
	Web Pentesting Fundamentals (3 SP)		International Project (3 SP) 		

ICT Infrastructure (15 SP)	Data Science & AI (51 SP)	Make IT Work! (60 SP)	ICT & Information Management (15 SP)	Full Stack Development (39 SP)
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 Kortlopende mobiliteit: binnen deze vakken kan je kiezen voor een kortlopende buitenlandse ervaring.
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 Langlopende mobiliteit: binnen deze semesters kan je kiezen voor een buitenlandse studie of stage.

Programma onder voorbehoud

Meer weten over **studiepunten (SP)**? Surf naar www.howest.be/studiepunten

Software Engineering

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Computer Architectures and Operating Systems (6 SP)	Computer Networks (6 SP)	Operating Systems Concepts (3 SP)	System Architecture and Deployment (6 SP)	Data structures & Algorithms (3 SP)	Professional Networking (6 SP)
		Data Analytics (3 SP)		Thesis Software Engineering (6 SP)	Internship (24 SP)
Problem Solving (3 SP)	Introduction to AI (3 SP)	Analysis and Development Project (6 SP)	Applied AI (3 SP)	Software Engineering Project (12 SP)	
Communication Skills (3 SP)	Programming Project (6 SP)		International Project (3 SP)		
Business Solutions (3 SP)		Information Modeling (3 SP)	Data Privacy and IT Law (3 SP)		
Databases Fundamentals (3 SP)	Application Prototyping (3 SP)	Databases Advanced (3 SP)	.NET Technology (6 SP)		
Programming Fundamentals (6 SP)	Object Oriented Programming (6 SP)	Object Oriented Architectures and Secure Development (6 SP)	Device Development (3 SP)	Domain Driven Design (3 SP)	
			Software Architecture (6 SP)	Software Design (3 SP)	
Web development Fundamentals (6 SP)	Web Development Essentials (3 SP)	Web Technology (6 SP)	Software Architecture (6 SP)	Software Design (3 SP)	
	Web Pentesting Fundamentals (3 SP)			User Experience Engineering (3 SP)	

ICT Infrastructure (21 SP)

Data Science & AI (15 SP)

Make IT Work! (66 SP)

ICT & Information Management (18 SP)

Full Stack Development (60 SP)



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