

Toegepaste informatica

Bachelor in de toegepaste informatica	semester	studieptn
Modeltraject 1		
Object-oriented software development 1	1	7
Software analysis	1	3
Databases	1	4
IT fundamentals	1	5
Computer systems	1	4
Cybersecurity	1	3
Web development 1	1	4
Web development 2	2	5
Communication lab	2	3
Computer networks 1	2	4
Operating systems	2	3
Business & management	2	3
Software development project 1	2	4
System engineering lab	2	4
Object-oriented software development 2	2	4
Totaal		60

Bachelor in de toegepaste informatica	semester	studieptn
Modeltraject 2		
Functional analysis	1	3
Relational databases & datawarehousing	1	4
Classic computer science algorithms	1	5
Professional communication	1	3
Costing	1	3
Keuzepakket Development		
Front-end web development	1	4
Web services	1	3
Advanced software development I	1	4
Keuzepakket IT-operations		
Windows server I	1	3
Computer networks II	1	4
Linux	1	4
Keuzepakket AI & Data Engineering		
Mathematics for machine learning	1	4
Linux for data scientists	1	4
Web services	1	3
Research methods	2	4
Data science & AI	2	4
IT2Business	2	4
The IT-professional	1 & 2	3

Keuzetraject Web Development		
Enterprise web development: Java	2	4
Advanced software development II	2	4
Software development project II	2	8
Keuzetraject System & Network Administration		
Cybersecurity & virtualisation	2	4
System engineering project	2	8
Computer networks III	2	4
Keuzetraject AI & Data Engineering		
Big data processing	2	3
AI & data engineering project I	2	8
Machine learning	2	5
Keuzetraject ERP Development		
Software development in ERP I	2	4
Software development in ERP II	2	4
Business software project	2	8
Totaal		60

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Modeltraject 3		
Business analysis*	1	3
Profiel Mobile & Enterprise Developer		
Mobile application development: Android	1	4
Enterprise web development: C#	1	6
DevOps project: development	1	8
Modern data architectures	1	3
Profiel System & Network Administrator		
Windows server II	1	4
Infrastructure automation	1	3
Computer networks IV	1	3
Cybersecurity advanced	1	3
DevOps project: operations	1	8
Profiel AI & Data Engineer		
AI & data engineering project II	1	8
Deep learning	1	4
Trends in AI	1	3
Machine learning operations	1	3
Modern data architectures	1	3

* Het vak business analysis moeten alle studenten volgen.

Profiel Functional & Business Analyst		
Business processes advanced	1	6
Content management systems	1	3
ERP system configuration	1	4
Project e-business	1	8
Profiel Mainframe Expert (UNIEK in Vlaanderen)		
Discover the mainframe	1	5
Work-based learning mainframe software development	1	6
Work-based learning mainframe system administration	1	6
Work-based learning mainframe transaction systems	1	4
1 opleidingsonderdeel te kiezen uit dit pakket:		
Communication professionnelle	1	3
Business start up IT	1	3
Mobile application development: iOS	1	3
IP project	1	3
E-marketing	1	3
Master the mainframe	1	3
Ondernemen	1	3
Studium generale	1 of 2	3
Stage	2	20
Bachelorproef	2	10
The IT-professional & career orientation	2	3
Totaal		60