



# Opleidingstabellen.

**Deze opleiding omvat  
180 studiepunten.**

Studiepunten drukken het gewicht uit van een opleidingsonderdeel binnen een opleiding. Eén studiepoint staat voor 25 à 30 uren totale studietijd.

De meest recente versie van de opleidingstabellen vind je op [hogent.be/studiefiches](http://hogent.be/studiefiches)

Alle lessen worden in het Nederlands aangeboden. Je kan voor sommige opleidingsonderdelen kiezen om ze in het Engels te volgen.

| Bachelor in de toegepaste informatica  | semester | studieptn |
|--|----------|-----------|
| <b>Modeltraject 1</b>                  |          |           |
| 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         |
| <b>Totaal</b>                          |          | <b>60</b> |

| <b>Bachelor in de toegepaste informatica</b>                       | <b>semester</b> | <b>studieptn</b> |
|--|-----------------|------------------|
| <b>Modeltraject 2</b>  |                 |                  |
| Functional analysis  | 1               | 3                |
| Relational databases & datawarehousing                             | 1               | 4                |
| Classic computer science algorithms                                | 1               | 5                |
| Professional communication   | 1               | 3                |
| Costing  | 1               | 3                |
| <b>Keuzepakket Development</b>                                     |                 |                  |
| Front-end web development  | 1               | 4                |
| Web services   | 1               | 3                |
| Advanced software development I                                    | 1               | 4                |
| <b>Keuzepakket IT-operations</b>                                   |                 |                  |
| Windows Server I   | 1               | 3                |
| Computer Networks II   | 1               | 4                |
| Linux  | 1               | 4                |
| Research methods   | 2               | 4                |
| Data Science & AI  | 2               | 4                |
| IT2Business  | 2               | 4                |
| The IT-professional  | 1 & 2           | 3                |
| <b>Keuzetraject Web development</b>                                |                 |                  |
| Enterprise web development: Java                                   | 2               | 4                |
| Advanced software development II                                   | 2               | 4                |
| Software development project II                                    | 2               | 8                |
| <b>Keuzetraject System &amp; network administration</b>            |                 |                  |
| Cybersecurity & virtualisation                                     | 2               | 4                |
| System engineering project   | 2               | 8                |
| Computer Networks III  | 2               | 4                |
| <b>Keuzetraject Artificial intelligence &amp; data engineering</b> |                 |                  |
| Cybersecurity & virtualisation                                     | 2               | 4                |
| Data engineering project I   | 2               | 8                |
| Machine learning   | 2               | 4                |
| <b>Keuzetraject ERP development</b>                                |                 |                  |
| Software Development in ERP I                                      | 2               | 4                |
| Software Development in ERP II                                     | 2               | 4                |
| Business software project  | 2               | 8                |
| <b>Totaal</b>  |                 | <b>60</b>        |

| <b>Bachelor in de toegepaste informatica</b>               | <b>semester</b> | <b>studieptn</b> |
|--|-----------------|------------------|
| <b>Modeltraject 3</b>                                      |                 |                  |
| Business analysis  | 1               | 3                |
| <b>Profiel Mobile &amp; enterprise developer</b>           |                 |                  |
| Mobile application development: Android                    | 1               | 4                |
| Enterprise web development: C#                             | 1               | 6                |
| DevOps project: Development                                | 1               | 8                |
| Database programming                                       | 1               | 3                |
| <b>Profiel System &amp; network administrator</b>          |                 |                  |
| Windows Server II  | 1               | 4                |
| Infrastructure automation                                  | 1               | 3                |
| Computer Networks IV                                       | 1               | 3                |
| Cybersecurity advanced                                     | 1               | 3                |
| DevOps project: Operations                                 | 1               | 8                |
| <b>Profiel Artificial intelligence &amp; data engineer</b> |                 |                  |
| Data engineering project II                                | 1               | 8                |
| Distributed databases                                      | 1               | 4                |
| Business intelligence                                      | 1               | 3                |
| Infrastructure automation                                  | 1               | 3                |
| Database programming                                       | 1               | 3                |
| <b>Profiel Functional &amp; business analyst</b>           |                 |                  |
| Business processes advanced                                | 1               | 6                |
| Content management systems                                 | 1               | 3                |
| ERP system configuration                                   | 1               | 4                |
| Project e-Business   | 1               | 8                |
| <b>Profiel Mainframe expert (UNIEK in Vlaanderen)</b>      |                 |                  |
| 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                |
| <b>Profiel Database administrator</b>                      |                 |                  |
| DevOps project: database administration                    | 1               | 8                |
| Database programming & administration                      | 1               | 6                |
| Windows Server II  | 1               | 4                |
| Infrastructure automation                                  | 1               | 3                |
| <b>1 opleidingsonderdeel te kiezen uit dit pakket:</b>     |                 |                  |
| 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                |
| <b>Stage</b>   | <b>2</b>        | <b>20</b>        |
| <b>Bachelorproef</b>                                       | <b>2</b>        | <b>10</b>        |
| <b>The IT-professional &amp; career orientation</b>        | <b>2</b>        | <b>3</b>         |
| <b>Totaal</b>  |                 | <b>60</b>        |

\* Het vak business analysis moeten alle studenten volgen.