



**Microcredential**

# **GIS- specialist**

**Working more efficiently with geo-data**



**Duration**  
16 teaching days

## In short

Data abounds. That doesn't mean everything is usable or of good quality. As a GIS specialist, you work on converting data into usable data and ultimately information. The delusion of the day and the diversity of questions you are asked often cause you to opt for (short-term) speed instead of (long-term) structure. For example, you quickly create a map for your colleague, whereas with map layers in a viewer you can help more colleagues in a shorter time. In short: by structuring data, the value of data is really exploited, resulting in faster and more efficient retrieval of data.

More information



## Program

**Lesson 1** Introduction and learning objectives

**Lesson 2** Storage and querying of geo-data & introduction to databases

**Lesson 3** Storage of geo-data and theoretical concepts

**Lesson 4** The tools of the GIS specialist

**Lesson 5** GIS modeling and analysis

**Lesson 6** HTML

**Lesson 7** WebGIS

**Lesson 8** Geoservices

**Lesson 9** WebGIS clients

**Lesson 10** Metadata

**Lesson 11** Assessment

## Is this for you?

You are a beginning GIS specialist with a few years of work experience who now has a focus on GIS technology and wants to broaden the knowledge. You gain more background knowledge so you can choose the right operations and explain them better.

Or you have an interest in the GIS profession and are considering switching, or want to expand your GIS knowledge within your current position and are working as, for example:

- RO employee
- Functional administrator
- Data manager
- CAD draftsman
- Data quality officer
- ICT officer

## Work method

During the seminars, the subject matter is explained and assignments are made and/or discussed. During the meeting, knowledge and experiences are interactively exchanged with fellow participants and the experienced lecturer. This will give you new and deeper insights that you can immediately apply within your own work environment.

## Study load

There are 16 classes, including 6 physical meetings and 10 online classes (including assessment) over a 5-month period. In addition to the classroom sessions, you will need about 50 hours for self-study.

“Together with peers and enthusiastic teachers from Geon, you delve into the subject matter of GIS. Because open source software is used, you can install the applications in your own environment and continue experimenting with them at home. At the end of the course you will give a presentation to the group of the knowledge you have gained applied in practice.”

**Martijn Burgler**

Waterschap Hunze en Aa's

## Results

After the GIS specialist training:

- you lose less time by exchanging manual operations for a structural approach;
- develop applicable geo-solutions, by being able to translate an issue using multiple data sets, helping to provide insight into a variety of issues facing your organization;
- work more comfortably with different tools because you understand the underlying architecture;
- you are a better interlocutor for vendors and colleagues, because you are better able to bridge the user side and technical side;
- you have more knowledge of geo-standards to comply with laws and regulations;
- you can create, read and implement data models in a spatial database;
- you know how to use the necessary national geo-information architecture and the rich Dutch data infrastructure.

## Certification

After completing the course you will receive a microcredential - official recognition from HAS green academy - Applied Geo Information Science.

## Course location and starting dates

Current start dates and locations can be found at [www.has.nl](http://www.has.nl).

## Study costs

The study costs for this course can be found at [www.has.nl](http://www.has.nl).

# HAS green academy

HAS green academy is a university of applied sciences and expertise center for agro, food and living environment in Den Bosch and Venlo. As an explorer of, for and with the green sector, HAS green academy brings movement and progress. Knowledge and experience of HAS lecturers and professionals from the field come together. This is how we work together on solutions to small and large social issues.

- ✓ Focused on daily practice
- ✓ Experienced lecturers with practical knowledge
- ✓ Years of experience in creating and implementation of customized programs



## Contact and sign in

HAS green academy also offers Incompany training courses and customized courses. For more information contact us.



**K.A.A. (Kim) de Bont**  
[K.dBont@has.nl](mailto:K.dBont@has.nl)  
+31 (0) 88 89 03 881