

# Favourites



Add programmes to your favourites and compare them to find the programme that suits you best.



## Data Acquisition, Preprocessing and Environmental Modelling using the PCRaster Python Framework

IHE Delft Institute for Water Education

Certificate / Diploma Short course Delft

[Send by email](#) [Save page as PDF](#)

### Course description

Qualification Certificate

Field of study Agriculture and environment

Course summary The course starts with acquisition and preprocessing of data for modelling using open source GIS and spatial analysis tools. Next, scripting in Python and environmental modelling using the PCRaster Py

Course description " .."

Study subjects The course has lectures on the theory for preprocessing of data using open source software and environmental modelling using the PCRaster Python framework. Practical experience will be acquired during computer exercises on using open source software for preprocessing and environmental modelling using the PCRaster Python framework.

Course objectives After this course the participants are able to: (1) acquire open access data; (2) use open source GIS software for pre- and post-processing and (3) implement environmental models in the PCRaster Python framework.

ECTS credits 3.00  
2 week(s)



Duration full-time  
 Language of instruction English  
 Instruction modes computer exercise, computer modeling, lecture  
 Accreditation -

## About the institution

Department IHE Delft

**Information about the institution**  
 IHE Delft Institute for Water Education is the largest international graduate water education facility in the world and the only institution in the UN system to confer accredited MSc degrees and promote PhDs. It offers degree programmes, short courses, online courses and tailor-made training. Since 1957 the Institute has provided graduate education to more than 15,000 water professionals from over 160 countries. More than 175 PhD candidates were promoted. IHE Delft is at the centre of a vast international network of water related institutions, and functions as an interface between knowledge networks and centres, public and private sector organizations, scientific and professional associations and other members of the international water community. The Institute runs a substantial number of joint MSc programmes implemented in partnership with universities around the globe. These joint programmes combine the strengths of the collaborating institutions and deliver either multiple degrees or a joint degree.

## Admission

**Admission requirements**

1. Preferably 2 to 3 years of practical or research work experience
2. Relevant wo bachelor (academic bachelor) BSC degree or equivalent qualification in a relevant field from a recognised university

**Language requirements**  
 IELTS overall band 6  
 TOEFL internet based 87  
 TOEFL paper based 999

**Professional experience required**  
 -

**Duration**  
 2 week(s)  
 full-time

<b>Application deadlines</b>	<b>Start date</b>		<b>EU/EEA Students</b>	<b>Non-EU/EEA students</b>
	14 Sep 2020	14 Aug 2020	14 Aug 2020	14 Aug 2020
13 Sep 2021	13 Aug 2021	13 Aug 2021	13 Aug 2021	

<b>Year</b>	<b>EU/EEA</b>	<b>Non-EU/EEA</b>	<b>Institutional</b>
2020 (FT)	€ 1940	€ 1940	n.a.

In short, the following rules apply:



- Tuition fees
- The "EU/EEA rate" is the regular fee for students from within the EU/EEA.
  - The "non-EU/EEA rate" is the rate for students from outside the EU/EEA.
  - The "institutional rate" is for all students who have already obtained a bachelor's or master's degree and who want to start a second programme leading to a degree at the same level or at a lower level.
  - Note that FT, PT and D stand for "full-time", "part-time" and "dual", respectively.

Make sure you contact your institution to find out what rate applies to you. The rates listed here are estimates.

Scholarships Orange Knowledge Programmes (OKP), MENA Scholarship Programme , Netherlands Fellowship Programmes (NFP)

For more scholarships, visit: [www.grantfinder.nl](http://www.grantfinder.nl)

Course website [More information about the course](#)

## Contact

### C. Schutter- Brakel

Contact information for the study programme Admission and Fellowship Officer

c.brakel-schutter@un-ihe.org

### IHE Delft

Contact information for the institution Student Affairs

info@un-ihe.org

Telephone number

Course website

[More information about the course](#)

Institution website

[More information about the institution](#)

[to search page](#)

