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MSc in Coastal Engineering and Port Development

IHE Delft Institute for Water Education

Master Postgraduate Delft

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Course description

Qualification Master of Science

Field of study Engineering

Course summary Focus is on technical background and practical skills to plan, model, design and manage coastal engineering and port development projects, and to learn to analyse coastal problems and find solutions.

Course description The management of resources in coastal areas of the world and the hydraulic engineering works required for their development, operation and maintenance have gained an increasing importance and complexity with time. They often require -in addition to well-proven experiences and technologies adapted to local conditions- innovative solutions. Based on considerable experience accumulated in The Netherlands and under inclusion of modern approaches, IHE Delft offers a well-balanced and updated curriculum in the areas of Hydraulic Engineering - Coastal Engineering and Port Development.

Study subjects Coastal Processes; Coastal Morphology; Planning, Design and Construction of Coastal Structures and Ports; Integrated Coastal Zone Management; Coastline Management; Navigation Aspects; Port Management; Environmental Impact Assessment; Geotechnical Engineering and Dredging; Flood Protection in Lowland Areas; Morphological Modeling; Climate Change in Integrated Water Management.

To provide an advanced level of understanding of coastal processes & nautical & logistic aspects & their interactions with the nearshore & offshore structure; be able to apply

Course



objectives	sophisticated design techniques to advance the needs of society for shelter, infrastructure & a safe environment & to develop strategies to cope with problems related to coastal natural hazards & shoreline erosion problems and climate change
ECTS credits	106.00
Duration	19 month(s) full-time
Language of instruction	English
Instruction modes	design project, excursion, lecture, research, seminar
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	<ol style="list-style-type: none"> 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	19 month(s) full-time						
Application deadlines	<table> <tr> <td>Start date</td> <td>EU/EEA Students</td> <td>Non-EU/EEA students</td> </tr> <tr> <td></td> <td>17 Oct 2019</td> <td>1 Aug 2019</td> </tr> </table>	Start date	EU/EEA Students	Non-EU/EEA students		17 Oct 2019	1 Aug 2019
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	17 Oct 2019	1 Aug 2019					



Year EU/EEA Non-EU/EEA Institutional

2019 (FT) € 21942 € 21942 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), Netherlands Fellowship Programmes (NFP)

For more scholarships, visit: www.grantfinder.nl

Course website

[More information about the course](#)

Contact

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IHE Delft

Contact information for the institution

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Telephone number

Course website

[More information about the course](#)

Institution website

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