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Online course Industrial Effluent Treatment

IHE Delft Institute for Water Education

Certificate / Diploma Short course Delft

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Course description

Qualification Certificate

Field of study Engineering

Course summary This online course provides the means to enable the reduction, reuse and recycle of water in the industrial sector through advanced concepts on cleaner production and pollution prevention and control.

Course description A cleaner production perspective in terms of a waste and (waste-)water minimization approach that enables the potential reduction, reuse and recycle of water and other resources offers important advantages to meeting the stricter regulations, which is reflected in lower effluent treatment costs and the reduction of freshwater demand while preserving the environment. The aim of this online course on industrial effluents treatment is to provide the means to address these objectives through advanced concepts on cleaner production and principles on pollution prevention and control. The course covers different aspects of industrial effluent treatment which range from getting insight into wastewater generation within a number of selected industries to the selection of the best available technology. Upon the completion of this course, the participant will understand the role and importance of industrial pretreatment in the urban water cycle; pollution, prevention and control principles applicable to industrial wastewater treatment; and identify and select the best available technology to treat the effluents from a particular industry.

Study subjects Pollution Prevention and Control; Cleaner Production; Chemical, Physical and Biological Treatment of Industrial Wastewater; Case Studies Various Industries; Sludge Collection, Treatment, Disposal and Reuse.



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|-------------------------|---|
| Course objectives | Understand principles of pollution prevention and control and cleaner production; Master different technologies for industrial wastewater treatment; Get familiar with more than dozen different industries and their effluents treatment systems; Understand residuals/sludge management techniques regarding its collection, treatment, disposal and reuse. |
| ECTS credits | 5.00 |
| Duration | 18 week(s) part-time |
| Language of instruction | English |
| Instruction modes | case study, design project, individual assignment, 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. several years of relevant working experience
2. Academic Bachelor's 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

18 week(s)
part-time

Start date EU/EEA Students Non-EU/EEA students



| | | |
|-----------------------|-----------------------|------------|
| Application deadlines | 7 Sep 2020 7 Aug 2020 | 7 Aug 2020 |
| | 6 Sep 2021 6 Aug 2021 | 6 Aug 2021 |

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|-------------|---------------|-------------------|----------------------|
| Year | EU/EEA | Non-EU/EEA | Institutional |
| 2020 (PT) | € 1035 | € 1035 | n.a. |

In short, the following rules apply:

- | | |
|--------------|--|
| Tuition fees | <ul style="list-style-type: none">• 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. |
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Make sure you contact your institution to find out what rate applies to you. The rates listed here are estimates.

Scholarships

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For more scholarships, visit: www.grantfinder.nl

Course website

[More information about the course](#)

Contact

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IHE Delft

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Telephone number

Course website

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Institution website

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