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UNIVERSITY OF TWENTE.

Chemical Engineering

University of Twente

Master Postgraduate Enschede

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Course description

Qualification Master of Science

Field of study Mathematics, natural sciences and computer science

Course summary Chemical Engineering encompasses the fields of chemistry, materials science and process engineering. Chemical engineers are also well versed in areas such as fluid dynamics and thermodynamics.

Course description This MSc programme puts you at the forefront of R&D in innovative chemical processes, novel materials and new products. You will harness the latest technology and techniques to address the challenges that face society. For instance, you can discover whether biomass conversion is able to provide lasting energy solutions, explore the potential of membrane technology to purify water, or use your knowledge of biomolecules to develop new materials or to generate power by osmosis. At the University of Twente you can focus on process engineering or materials science. During the Master's you will benefit from our close ties with high profile research institutes, including the MESA+ Institute for Nanotechnology and the MIRA Institute for Biomedical Technology and Technical Medicine. You will fulfil the role of junior researcher from early on in your Master's, giving presentations, writing articles and getting involved in grant applications. It is a highly international programme. You will write and present in English and have the opportunity to complete an internship abroad. As a chemical engineer, your career prospects are good, especially in process engineering and research.

Study Subjects enable to specialize in two main fields: Chemical & Process Engineering and Molecular & Materials Engineering. For more information, visit:



subjects	http://www.utwente.nl/master/che
Course objectives	To develop knowledge, skills and understanding in chemical technology at such a level that graduates have the competencies for professional, autonomous practice in one of the chemical engineering related fields of chemistry, materials science & process technology. To educate students at an internationally renowned master's level to become entrepreneurial researchers, designers & engineers who are capable of developing, conveying and applying innovative knowledge according to academic standards.
ECTS credits	120.00
Duration	2 year(s) full-time
Language of instruction	English
Instruction modes	design project, group assignment, group discussion, individual assignment, internship, laboratory work, lecture, literature study, research, research project, research proposal, oral presentation, practicum, project, self study
Accreditation	NVAO

About the institution

Department	Science and Technology
Information about the institution	The University of Twente is where talent can best realize its full potential. Students and staff are the key. Together they ensure pioneering research, relevant innovation and inspiring education.

Admission

Admission requirements	1. BSc or BE first class in chemical engineering/chemical technology.
	2. Professional experience may shorten the individual programme.
	3. CGPA of at least 70% of the maximum score
	4. Clear motivation of goals

Language requirements	Cambridge Certificate of Proficiency in English C2
	IELTS overall band 6.5
	TOEFL internet based 90

Professional experience required -

Duration	2 year(s) full-time
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	Start date EU/EEA Students	Non-EU/EEA students
Application deadlines	1 Sep 2019 1 Jul 2019	1 May 2019
	1 Sep 2020 1 Jul 2020	1 May 2020
	1 Sep 2021 1 Jul 2021	1 May 2021



Year	EU/EEA	Non-EU/EEA	Institutional
2019 (FT)	€ 2083	€ 15750	€ 15750
2020 (FT)	€ 2083	€ 16000	€ 16000

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

Erasmus+ Master Loan Scheme, University of Twente Scholarship, Holland Scholarship, UAF: Foundation for Refugee Students, DUO Tuition and Course Grant, John Monash Scholarships, Erasmus+ Exchange (Australia), New Holland Scholarship Australia, LPDP Indonesia, StuNed - Master, CONACyT Scholarship, Resource Management Law Association Scholarship, Anandamahidol, GI Bill Scholarship (U.S. Veteran Affairs), Marine Gunnery Sergeant John David Fry Scholarship (U.S.A. Veteran Affairs)

For more scholarships, visit: www.grantfinder.nl

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

Contact

Question about this study? Contact our student team!

study@utwente.nl

Contact information for the study programme

Vragen over onze opleidingen? Bel, chat of mail met ons studententeam

study@utwente.nl

University of Twente

study@utwente.nl



Studie Informatiecentrum

Contact information for the institution

study info

study@utwente.nl

Telephone number

+3153 489 5489

Course website

[More information about the course](#)

Institution website

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