

## CALENDAR 2023-2024

Q1

29 aug	Master kick-off
4 sep	Start academic year
4 sep-24 oct	Create a PSP and discuss it with your mentor
29 sep	MomenTUM
3-11 oct	Bouwkunde Bedrijvendagen
15 oct	Registration closing date for exams Q1 and courses Q2
30 oct-11 nov	Exams

Q2

25 dec-5 jan	Christmas Holidays
7 jan	Registration closing date for exams Q2 and courses Q3
22 jan-3 feb	Exams

Q3

12-16 feb	Carnival Holidays
1 mar	International exp. deadline A
24 mar	Registration closing date for exams Q3 and courses Q4
29-31 mar	Good Friday and Easter
8-20 apr	Exams

Q4

27 apr	King's Day
5 may	Liberation Day
9-10 may	Ascension Day + bridge day
20 may	Whit Monday
9 jun	Registration closing date for exams Q4
24 jun-6 jul	Exams

12-17 aug	Interim exams
25 aug	Reg. deadline courses Q1
1 sep	International exp. deadline B

\*Time/location may vary depending on the situation at the time

## COACHING AND ADVICE

As a TU/e student, you are responsible for your own study progress and we expect a pro-active attitude. Of course, we will help you when needed.

During the master you can discuss your personal study plan, career possibilities and elective choices with your **mentor**. Please contact the **coordinator** of the CME program (Feixiong Liao, f.liao@tue.nl), who will assign a mentor to you.

Should you have questions regarding the curriculum or your study progress, please contact the **Education & Student Affairs Office**. An appointment with the **academic advisor**, for instance to discuss any personal circumstances, can be made online ([educationguide.tue.nl/guidance-and-development/who-to-contact/academic-advisor](https://educationguide.tue.nl/guidance-and-development/who-to-contact/academic-advisor)).

## TO-DO LIST

Start off well and check this list!

- Familiarize yourself with the ABP-CME course overview and with the 4TU CME Study Guide (available online in the Education Guide) to find out which elective courses you would like to follow.
- Consult the handouts on the Education Guide. Contact the International Office ([exchange.be@tue.nl](mailto:exchange.be@tue.nl)) for additional information.
- Make your **personal study plan** (PSP). This plan is the basis for your master and consists of all your courses and projects, as well as your planning. Deliver the PSP digitally to the Examination Committee ([examination.committee.be@tue.nl](mailto:examination.committee.be@tue.nl)). See the Education Guide for more info.

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## MORE INFORMATION

Education & Student Affairs Office  
(Built Environment)  
**Vertigo 2.12**  
[esa.be@tue.nl](mailto:esa.be@tue.nl)



And check out these webpages:

- Education Guide CME for department-specific information on curriculum, regulations (PER!), and more ([educationguide.tue.nl/gs/cme](https://educationguide.tue.nl/gs/cme))
- Education Guide (general) for more general topics ([educationguide.tue.nl](https://educationguide.tue.nl))
- OSIRIS for a complete course catalogue, your exam results and your study progress ([osiris.tue.nl](https://osiris.tue.nl))
- CANVAS here you can find the study guide with the planning and assignments for your courses ([canvas.tue.nl](https://canvas.tue.nl))
- Intranet for information about the department and facilities such as the student workshop ([intranet.tue.nl/BE](https://intranet.tue.nl/BE))

### We need your help to improve our education!

Please fill in our course evaluations and send suggestions for improvements and complaints to the Education Coordinator ([education.coordinator.BE@tue.nl](mailto:education.coordinator.BE@tue.nl)). Complaints on examinations can be sent to the Examination Committee ([examination.committee.be@tue.nl](mailto:examination.committee.be@tue.nl))



MASTER STUDENT GUIDE  
2023-2024

## Construction Management and Engineering (4TU)

DEPARTMENT OF THE BUILT ENVIRONMENT

**TU/e**  
EINDHOVEN  
UNIVERSITY OF  
TECHNOLOGY

# Welcome to the Graduate School!

This booklet contains everything you need to know when you start the master program Construction Management and Engineering (CME).

## CME

With a CME master you will be able to find employment in the professional field, or you can opt to develop your knowledge further at an academic institute. In the first case, you will usually be working as a manager in a building company, government agency or project developer.

The two-year CME program is part of the 4TU Federation, which comprises the four universities of technology in the Netherlands. The CME program is coordinated between TU/e, TUDelft and the University of Twente, giving you the possibility of taking elective courses at each location.

The master degree program Construction Management and Engineering at the TU/e is offered by the Built Environment (BE) and Industrial Engineering & Innovation Sciences (IE&IS) departments, with their distinctive research-driven and project-oriented approach to

education. In this interdepartmental program, urban/building sciences and management and innovation sciences are applied to develop solutions for smart urban development. CME graduation projects are closely related to ongoing research projects in the BE and IE&IS departments, and they are often executed in collaboration with industry partners.

The two-year program consists of multiple components for a total of 120 ECTS.

Core courses	30 credits
Specialization electives	35 credits
Electives	15 credits
Graduation project	40 credits

See the next page for an overview of the program's contents. For planning your 2 year study program, you can find more information in the CME Information Package that is available through the online Education Guide.

## PROGRAM

		Quarter	ECTS	
Core courses	1CM900	Project management	2	2.5
	1ZM65	System Dynamics	3	5
	7ZM3M0	Case Study Process Modeling of Construction Projects	1	2.5
	7ZM5M0	Process Modeling and Information Management	4	5
	7ZZ6M0	Legal and Governance Aspects	1	5
	7ZM8M0	Collaborative Design	3	5
	7ZZ9M0	Design, Science Methodology and Systems Engineering	1	5
				30
	Choose 35 ECTS out of 70 ECTS			
Specialization electives	7ZM1M0	Project: Research and Development	1-2 / 3-4	10
	7ZW1M0	Big Data for Urban & Transportation Analysis / project	3-4	10
	7ZW3M0	Urban Planning II	1	5
	7ZW4M0	Built Environment and Smart Mobility	4	5
	7RC100	Inner-city Modular High-rise	1	5
	7ZW7M0	Urban Research Methods	3	5
	7ZM7M0	Parametric Design	3	5
	1ZM20	Technology Entrepreneurship	2	5
	1ZM120	Entrepreneurial Marketing	2	5
	7M900	Fundamentals of BIM	2	5
	7KP8M0	Smart Building Methodology and Technology	3	5
	7XC1M0	Circularity in the Built Environment	1	5
				35
	Electives			15
	7CC40	Graduation Project		40
				<b>total: 120</b>

### Good to know:

- Check the Education Guide ([educationguide.tue.nl/gs/cme](http://educationguide.tue.nl/gs/cme)) for the complete CME Information Package including all course descriptions and suggestions how to plan your 2-year master program.
- You can start the graduation project every quartile.

## BUILD YOUR OWN FUTURE

Invest in your future and explore the great offer of extra-curricular activities alongside your study program:

### of COURSE!

Construction Management and Engineering

- The study associations of the Built Environment organize workshops, excursions, lectures and leisure activities. Join a committee to meet new people, learn new skills, and have fun! For CME students there is ofCoUrSE! ([ofcoursecme.nl](http://ofcoursecme.nl))
- Broaden your horizon at Studium Generale: lectures, debates, concerts, theatre, movies and more! ([studiumgenerale-eindhoven.nl](http://studiumgenerale-eindhoven.nl))
- Find career related activities and workshops on MyFuture ([myfuture.tue.nl](http://myfuture.tue.nl))

### International experience?

We recommend you to go abroad for a study semester or a 15 ECTS research internship. Consult the handouts on the Education Guide. Contact the International Office ([exchange.be@tue.nl](mailto:exchange.be@tue.nl)) for additional information. Registration deadlines are:

- **Sep 1** for semester B, 2023-2024
- **Mar 1** for semester B, 2024-2025

### Internships

You can also do an internship in the Netherlands in the space for electives. Depending on the internship you can earn 5 ECTS (relevant work experience) or 15 ECTS (academic work experience). See the Education Guide for more information.

