

## CALENDAR 2024-2025

Q1

28 aug	Master kick-off
2 sep	Start academic year
2 sep-12 oct	Create a PSP and discuss it with your mentor
27 sep	MomenTUM
13 oct	Registration closing date for exams Q1 and courses Q2
28 oct-9 nov	Exams

Q2

23 dec-3 jan	Christmas Holidays
5 jan	Registration closing date for exams Q2 and courses Q3
20 jan-1 feb	Exams

Q3

1 mar	International exp. deadline A
3-7 mar	Carnival Holidays
t.b.a.	Bouwkunde Bedrijvendagen
23 mar	Registration closing date for exams Q3 and courses Q4
7-19 apr	Exams
18-21 apr	Good Friday and Easter

Q4

26 apr	King's Day
5 may	Liberation Day
29-30 may	Ascension Day + bridge day
8 jun	Registration closing date for exams Q4
9 jun	Whit Monday
23 jun-5 jul	Exams

11-16 aug	Interim exams
24 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**. Your mentor is Floor van Schie (f.v.schie@tue.nl). 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 in the Education Guide to find out which electives, possibly belonging to other tracks, you would like to follow.
- Seek out possibilities for a study semester or internship abroad. 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 via Osiris Case, which is accessible via Osiris Student ([tue.osiris-student.nl/](https://tue.osiris-student.nl/) login).

2024-06-13 – No rights can be derived from this publication.

## 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 ABP for department-specific information on curriculum, regulations (PER), and more ([educationguide.tue.nl/gs/abp](https://educationguide.tue.nl/gs/abp))
- 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  
2024-2025

Architecture, Building and  
Planning | Track SED

DEPARTMENT OF THE BUILT ENVIRONMENT

TU/e

EINDHOVEN  
UNIVERSITY OF  
TECHNOLOGY

# Welcome to the Graduate School!

This booklet contains everything you need to know about the track Structural Engineering and Design (SED).

## TRACK SED

The track Structural Engineering and Design (SED) of the master program ABP prepares you for professions such as a structural engineer, researcher or construction manager.

The two-year track consists of multiple components for a total of 120 credits (ECTS). The core courses of the SED track focus on knowledge and application of structural materials as well as several methods to solve mechanical problems. By choosing courses, design- and research projects in the elective space, you can acquire individual knowledge and competences within the specific fields.

Core courses	25 credits
Specialization electives	30 credits
Electives	20 credits
Graduation project	45 credits

See the next page for an overview of the program's contents.

## SPECIALIZATION AND GRADUATION

To complete your education you must do a Graduation Project (45 ECTS). You can graduate on a topic of your interest, following the specialization courses you chose. Contact one of the professors to discuss the possibilities and to create a graduation plan.

Research topic	Professor(s)
Aluminum structures	J. Maljaars
Applied mechanics	A.S.J. Suiker H. Hofmeyer* E. Bosco*
Concrete and masonry structures	T.A.M. Salet S.N.M. Wijte
Innovative Structural Design and Timber Structures	H.H. Snijder (a.i.)
Steel structures	H.H. Snijder

\* Associate professor

## PROGRAM

		Quarter	ECTS	
Core courses	7KP3M0	Advanced steel and aluminum structures	2	5
	7KP4M0	Advanced concrete structures	1	5
	7PP5M0	Resource Efficient Structural Design	1	5
	7KP6M0	Finite element method 1 - energy methods and linear simulations	4	5
	7KP7M0	Stability of Structures	3	5
				+
				25
	Choose 30 ECTS out of 55 ECTS			
Specialization electives	7KP1M0	Research project	1-2 / 3-4	10
	7KP2M0	Design project Large Span Structures	1-2 / 3-4	10
	7KS2M0	Design project High Rise Building	3-4	10
	7KK1M0	Geotechnics, Soil Mechanics and Structural Dynamics	2	5
	7KT1M0	Structural design, capita selecta	3	5
	7KT9M0	Structural design with glass	3	2.5
	7PP4M0	Advanced Timber Structures	1	5
	7KT8M0	Finite element method 2 - nonlinear and multi-scale simulations	1	5
	7KT4M0	Digital Design & Manufacturing Structures	2	2.5
				+
				30
	Electives			20
	7K45M0 Graduation Project SED			45
				<b>total: 120</b>

### Good to know:

- Check the Education Guide ([educationguide.tue.nl/gs/abp](http://educationguide.tue.nl/gs/abp)) for the complete ABP-CME course overview, including all elective courses.
- In the space for elective courses, you may choose courses from other tracks, other programs, or even other universities.
- You can follow one of the certificate programs if you are interested in the subjects of Construction Technology, Building Design & Technology and/or Circular Design in the Built Environment (see Education Guide).
- Graduation projects start every quartile and normally take 3 quartiles to complete.

## BUILD YOUR OWN FUTURE

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



- 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 SED students there is KOers. ([koerstue.nl](http://koerstue.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, 2024-2025
- **Mar 1** for semester A, 2025-2026

### 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).

