MASTER STUDENT GUIDE
2020-2021

Architecture, Building and Planning | Track USRE

DEPARTMENT OF THE BUILT ENVIRONMENT
Welcome to the Graduate School!

This booklet contains everything you need to know about the track Urban Systems and Real Estate (USRE).

TRACK USRE

The track Urban Systems and Real Estate (USRE) of the master program ABP prepares you for a professional career in the field of urban planning, smart cities, city (re)-development, transportation, building information technology, design and decision support systems or real estate.

The two-year track consists of multiple components for a total of 120 credits (ECTS).

| 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, and check out the Education Guide online for more information.

RESEARCH TOPICS AND GRADUATION

To complete your education you must do a Graduation Project (45 ECTS). You can graduate on a topic of your interest. The different research topics of the unit USRE are listed below. Find more information about the graduation process in the USRE Graduation Guide which you can download at the Education Guide (educationguide.tue.nl/gs/abp).

Core courses

- 7ZM5M0 Process Modeling and Information Management
- 7ZU3M0 Managing Place and Property
- 7ZW3M0 Urban Planning II
- 7ZW4M0 Built Environment and Smart Mobility
- 7ZW7M0 Urban Research Methods

Specialization electives

- 7ZW1M0 Big Data for urban analysis / project
- 7ZM9M0 Information Systems in the Built Environment
- 7ZW2M0 Project Redevelopment of problem areas
- 7ZU4M0 Housing Systems and Strategies
- 7ZW5M0 Smart urban environments

Electives

- 7Z45M0 Graduation Project USRE

Research topic | Professor(s)
--- | ---
Information Systems in the Built Environment | Bauke de vries
Real Estate Management and Development | Theo Arentze, Rianne Appel*
Urban Planning | Aloys Borgers*
Urban Planning and Transportation | Soora Rasouli
Urban Planning and Quality of Life | Astrid Kemperman*

* Associate professor

Good to know:

- Check the Education Guide (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.
- Graduation projects start every quartile and normally take 3 quartiles to complete. TIP: come to the USRE-seminar every third Thursday of the month where current graduates present their proposals. Join the kick-off meeting to start your own graduation project: each first Tuesday of the quartile.

PROGRAM

Choose 30 ECTS out of 75 ECTS

- 7ZM1M0 Research and Development project
- 7ZU2M0 Project Redevelopment of problem areas
- 7ZW1M0 Big Data for urban analysis / project
- 7ZM9M0 Information Systems in the Built Environment
- 7ZW2M0 Project Redevelopment of problem areas
- 7ZU4M0 Housing Systems and Strategies
- 7ZW5M0 Smart urban environments

Good to know:

- Each third Thursday of the month: USRE-seminar (VRT 9.06, 10:30-12:00)*
- First Tuesday of every quartile: Kick-off meeting Graduation Project (VRT 8.06, 12:40-13:20)*

CALENDAR 2020-2021

- 24-27 aug | Master kick-off
- 31 aug | Start academic year
- 7-11 sep | Create a PSP and discuss it with your mentor
- 25 sep* | MomenTUm
- 11 oct | Registration closing date for exams Q1 and courses Q2
- 26 oct-7 nov | Exams
- 21 dec-1 jan | Christmas Holidays
- 3 jan | Registration closing date for exams Q2 and courses Q3
- 18-30 jan | Exams
- 15-19 feb | Carnival Holidays
- 21 mar | Registration closing date for exams Q3 and courses Q4
- 2 apr | Good Friday
- 5 apr | Easter Monday
- 5-17 apr | Exams
- 26-27 apr | King’s Day
- 5 may | Liberation Day
- 13-14 may | Ascension Day
- 24 may | White Monday
- 6 jun | Registration closing date for exams Q4
- 21 jun-3 jul | Exams
- 9-14 aug | Interim exams

*Time/location may vary depending on the situation at the time
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**Choose 30 ECTS out of 75 ECTS**

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<th>Quarter</th>
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**Quarter ECTS**

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| 2 | 5 |
| 3-4 | 10 |
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| 3-4 | 10 |
| 2 | 5 |
| 3 | 5 |
| 4 | 5 |
| 3 | 5 |
| 1 | 5 |
| 1 | 5 |
| 2 | 5 |

Good to know:

- The study associations of the Built Environment organize workshops, excursions, lectures and leisure activities. Join a committee to meet new people, learn skills, and have fun! For USRE students there is SERVICE. (www.service-studievereniging.nl)
- Broaden your horizon at Studium Generale: lectures, debates, concerts, theatre, movies and more! (www.studiumgenerale-eindhoven.nl)
- Find career related activities and workshops on MyFuture (myfuture.tue.nl)
- International experience? We recommend you to go abroad for a study semester or a 15 ECTS research internship. Check the Education Guide or contact Henny Houben (h.a.m.houben@tue.nl).
- 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 research).

Handy! Cut this folded page and use the calendar on the back side as a bookmark for your agenda.
**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 unit USRE (Aloys Borgers, a.w.j.borgers@tue.nl), who will assign a mentor to you.

Should you have questions regarding the curriculum, your study progress, or any personal circumstances, please visit the Education & Student Affairs Office. An appointment with the academic advisor can be made online (educationguide.tue.nl/organization/advisors-and-tutors/academic-advisor/built-environment).

**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. Check the Education Guide or contact Henny Houben (h.a.m.houben@tue.nl).**
- **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 to the Education & Student Affairs Office.**

**MORE INFORMATION**

Education & Student Affairs Office (Built Environment)

**Vertigo 2.30*** (12:00-14:00)
esa.be@tue.nl
telephone: 040 247 4800

And check out these webpages:

- **Education Guide ABP** for department-specific information on curriculum, regulations (PER!), and more (educationguide.tue.nl/gs/abp)
- **Education Guide (general)** for more general topics (educationguide.tue.nl)
- **OSIRIS**
  for a complete course catalogue, your exam results and your study progress (via MyTU/e or osiris.tue.nl)
- **CANVAS**
  here you can find the study guide with the planning and assignments for your courses (via MyTU/e or canvas.tue.nl)
- **Intranet**
  for information about the department and facilities such as the student workshop (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 Master coordinator Koos Blankestijn (j.blankestijn@tue.nl). Complaints on examinations can be sent to the Examination Committee (ec.be@tue.nl)

*Temporary location ESA desk instead of VRT 2.12*