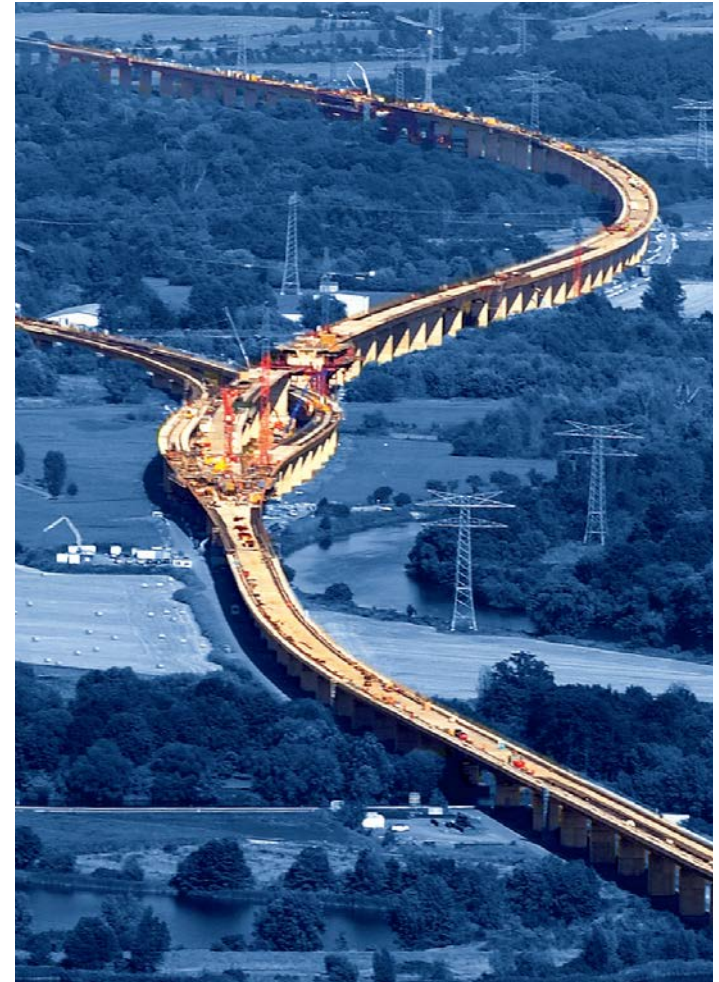


# Introduction in the master's degree of Civil Engineering



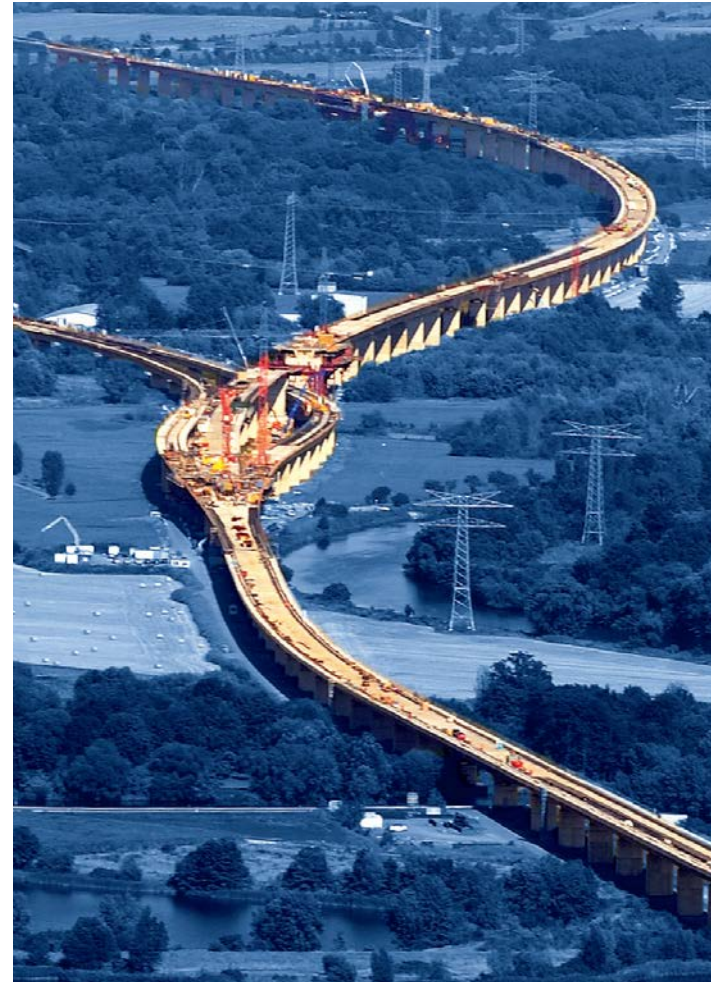
**Eva Bodemer**  
Course coordinator  
Study counsellor  
[e.bodemer@tum.de](mailto:e.bodemer@tum.de)



# Introduction in the master's degree of Civil Engineering



**Eva Bodemer**  
Course coordinator  
Study counsellor  
[e.bodemer@tum.de](mailto:e.bodemer@tum.de)

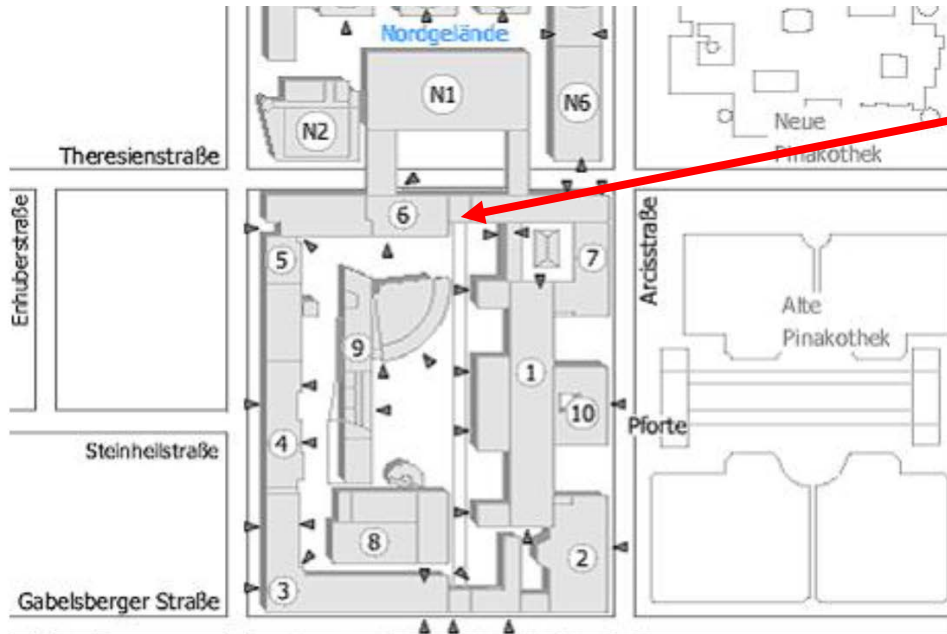


# Introduction in the master's degree of Civil Engineering

Dipl.-Ing. Eva Bodemer  
**Course coordinator**  
**Study counsellor**

Manuela Schillo M. A.  
**Examination administration &  
secretary**  
[m.schillo@tum.de](mailto:m.schillo@tum.de)

## Office Hours



In Person:  
Tuesday 2.00 – 4.00 pm  
Room 1701

### Zoom Office Hours:

Thursday 10.00-12.00 am

Examination administration and study guidance

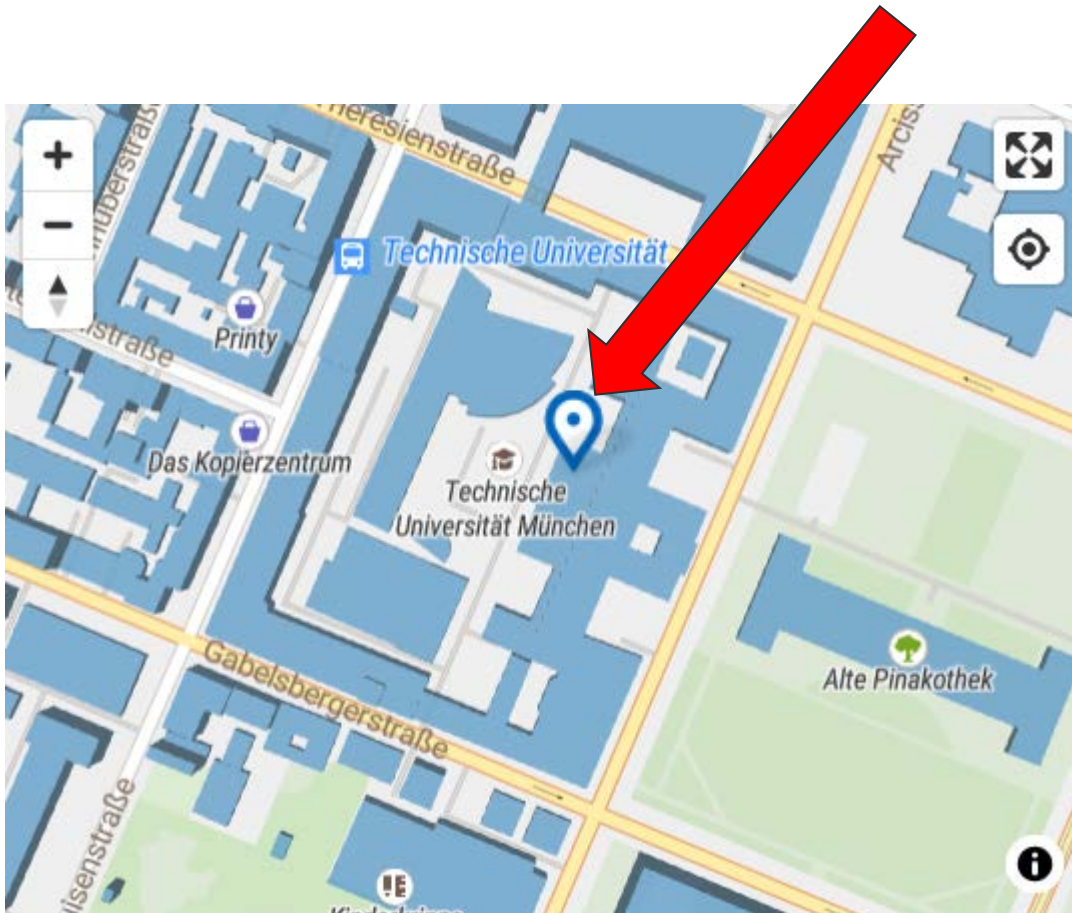
<https://tum-conf.zoom.us/j/63122068364>

Meeting-ID: 631 2206 8364

Kenncode: BAU

## Information session for the specializations

Wednesday 30th October 4.00-6.00 pm



Immatrikulationshalle  
Raum 0136

## Date of the Examination

Lecture period: **14.10.2024 – 07.02.2025**

### **Lecture-free days:**

- *All Saints' Day: 01.11.2024*
- *Dies Academicus: 05.12.2024*  
*To allow all members of our TUM family to participate, no lectures will be held during the celebration.*
- *Christman Vacation: 24.12.2024 – 06.01.2025*

### Exam period:

- expected: **last week of the semester – first week semesterbreak** Elective Modules
- expected: **01.03.25-29.03.25** Required Modules

### Exam registration

- Modules: **15.11.24 – 30.01.25**
- Registration and Deregistration via TUMonline

## Date of the Examination

Exam deregistration:

- Required Modules: till 7 days before the exam
- Elective Modules till 7 days before the exam (you can see it in TUMonline)

## Date of the Examination

**There must be a registration for the exam in TUMonline  
to pass the exam !!!  
(Also in projects and academic achievements!)**

**If you have problems with the registration, please contact us before the  
deadline expires.**



- Studienstart / Starting your studie
- Studierende / Students – M.Sc. B
- Internationales / Exchanges – M.Sc.
- **Dokumente / Documents – M.Sc. B**
- » M.Sc. Computational Mechanics
- » M.Sc. Energie- und Prozesstechnik
- » M.Sc. Entwicklung, Produktion und I
- » M.Sc. Entwicklung und Konstruktion
- » M.Sc. Environmental Engineering / I
- » M.Sc. ESPACE - Earth Oriented Sp
- » M.Sc. Fahrzeug- und Motorentech
- » M.Sc. Geodäsie und Geoinformatio
- » M.Sc. Human Factors Engineering
- » M.Sc. Industrielle Biotechnologie
- » M.Sc. Information Technologies for I
- » M.Sc. Ingenieur- und Hydrogeologie
- » M.Sc. Land Management and Geos
- » M.A. Landschaftsarchitektur / Land
- » M.Sc. Luft- und Raumfahrt
- » M.Sc. Maschinenbau und Managerr
- » M.Sc. Maschinenwesen
- » M.Sc. Materials Science and Engine
- » M.Sc. Mechatronics, Robotics, and
- » M.Sc. Mechatronik und Informations

Seiten / ... / M.Sc. Bauingenieurwesen

Bearbeiten Inline-Kommentare anzeigen

## Dokumente / Documents – M.Sc. BI

- [Stundenpläne / Timetables WiSe 24/25 - updated: 16.09.2024](#)
  - [Vertiefungen / Specializations FPSO 2023-1:](#)
  - [Infos zum Stundenplan / Information to the timetable:](#)
- [Prüfungsplan / exam plan SS24 - updated: 08.08.2024](#)
- [Stundenpläne / Timetables SoSe 24 - updated: 05.09.2023](#)
  - [Pflichtmodule / Required modules:](#)
  - [Vertiefungen / Specializations FPSO 2023-1:](#)
- [Allgemeine Prüfungs- und Studienordnung - APSO](#)
- [Fachprüfungs- und Studienordnung - FPSO](#)
- [Formular "Wahl der Querschnittsvertiefung im Master"/ Form "Choice of the Personalized Specialization Subject of the master's program"](#)
- [Formular "Änderung der Vertiefungsfachkombination"/ Form "Changing the combination of the Specialization Subject"](#)
- [Antrag auf Anerkennung von Prüfungsleistungen/ Application for Recognition of Examinations](#)
- [Einführung zum Master Bauingenieurwesen](#)
- [Introduction to the Master in Civil Engineering](#)

### Stundenpläne / Timetables WiSe 24/25 - updated: 16.09.2024

#### FPSO 2023-1

<https://wiki.tum.de/pages/viewpage.action?pageId=876675571>

<https://wiki.tum.de/display/docs/View+semester+plan+and+schedule>

**WS 24/25**  
**FPSO 20231**

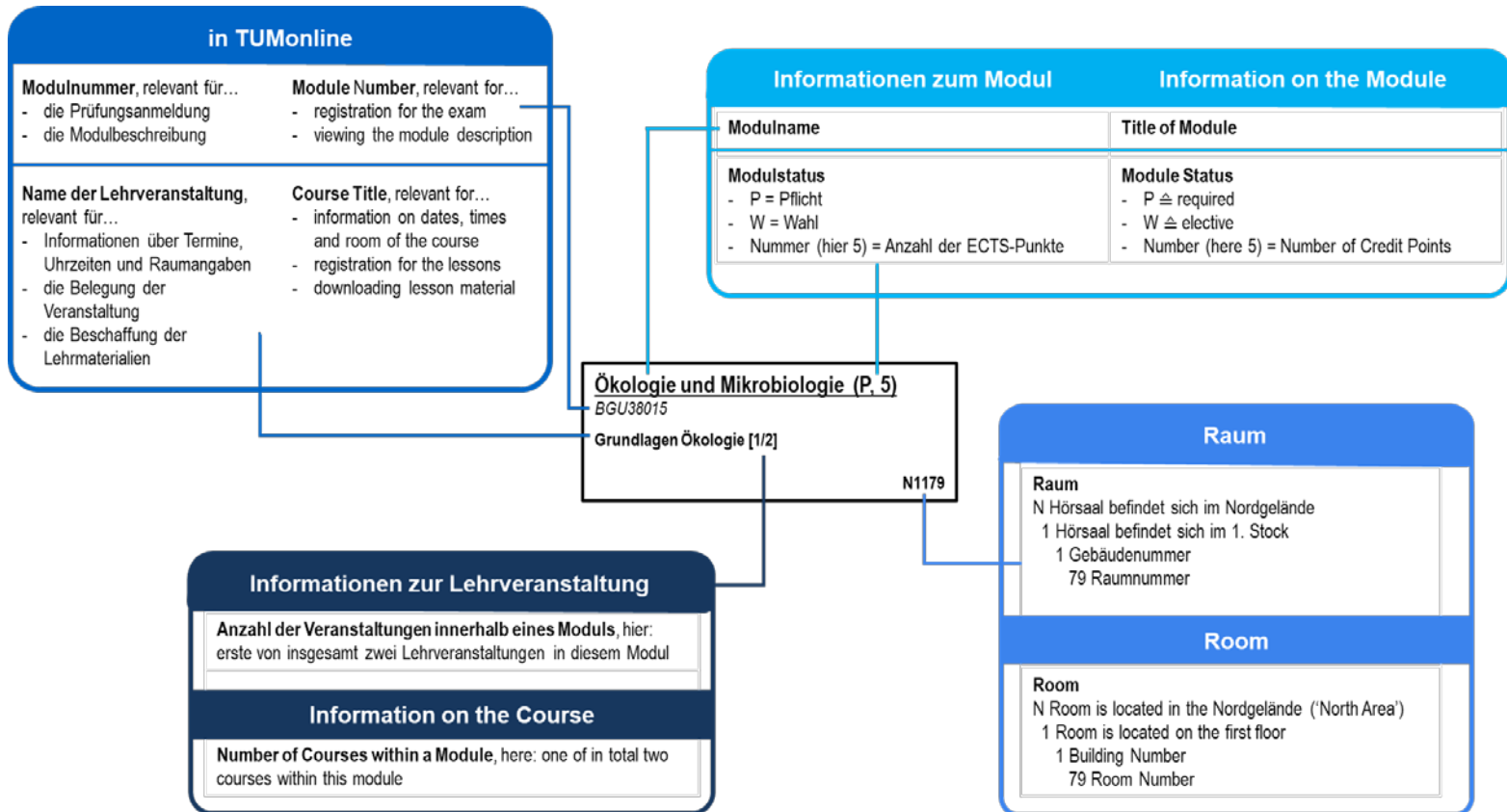
**MSc Bauingenieurwesen**  
**MSc Civil Engineering**



| Uhrzeit       | Montag   |  |  | Dienstag  |   |
|---------------|--|--|--|---|---|
| 8:00 - 9:30   | <b>VWB</b><br><b>Bemessung im Verkehrswegebau (P.8)</b><br>BV340010<br>Betondeckensysteme [1/4]  | <b>MET</b><br><b>Verbundhoch- und brückenbau (P.6)</b><br>ED130014<br>Composite Construction of Buildings and Bridges<br>Verbundhoch- und brückenbau | <b>HYD</b><br><b>Fluid Mechanics and Groundwater Hydraulics (P.6)</b><br>BGU41016<br>Fluid Mechanics [1/3]   | 0220  |   |
| 9:45 - 11:15  | Betondeckensysteme Seminar [2/4]<br>N1070, N1160, 2710 (in Gruppen)<br>[3/4] und [4/4] im SS   | 1402   | <b>GEO</b><br><b>Fortgeschrittene Boden- und Felsmechanik (P.6)</b><br>BGU50014<br>Fortgeschrittene Boden- und Felsmechanik [1/2]<br>09:45 – 12:15 Uhr | 1180  |   |
| 11:30 - 13:00 | <b>WKS</b><br><b>Mineralische Werkstoffe (P.5)</b><br>BGU37011<br>Mineralische Bindemittel [1/2]<br>[2/2] im SS                            | <b>HYD</b><br><b>Fluid Mechanics and Groundwater Hydraulics (P.6)</b><br>BGU41016<br>Seminar Fluid Mechanics – group 1 [3/3]                         | 2605<br>0670ZG   |   |   |
| 13:15 - 14:45 | <b>HOB</b><br><b>Holz im Bauwesen (P.4)</b><br>BGU51024<br>Holz im Bauwesen  | <b>WBW</b><br><b>Hydrological Dam Design (P.6)</b><br>ED130022<br>Sustainable Resources Water Management [1/2]<br>[2/2] im SS                        | 1601<br>N1070  | <b>STA</b><br><b>Structural Analysis of Plates and Shells (P.6)</b><br>BGU32027D2<br>Theory of Plates [1/4]                                   | <b>WKS</b><br><b>Zusatzmittel und Spezialbetone (P.7)</b><br>BGU35009<br>Spezialbetone [1/2]  |
| 15:00 - 16:30 | <b>VTP</b><br><b>Modeling and Control of Traffic Flow (P.9)</b><br>BGU56045  | <b>HOB</b><br><b>Ingenieurholzbau (P.8)</b><br>BGU51034<br>Ingenieurholzbau 1 [1/2]<br>[2/2] im SS<br>15:00 – 17:30 Uhr                              | <b>IMO</b><br><b>Seminar Advanced Real Estate Investment (P.6)</b><br>BV550018<br>Seminar Real Estate  | <b>BMA</b><br><b>Continuum Mechanics (P.6)</b><br>BV020001<br>Seminar Continuum Mechanics [2/2]   | 13:15 – 15:45 Uhr<br>cbm Lichtenbergstr. 2, Raum 01.023.1<br>N1070  |
| 16:45 - 18:15 | Traffic Flow Theory [1/3]<br>First half of semester<br>Traffic Control Basics [2/3]<br>Second half of semester<br>[3/3] in the summer term | 0670ZG   | <b>BPM</b><br><b>Seminar Unternehmeringenieur in der Bauwirtschaft (P.6)</b><br>BV550010<br>Seminar Unternehmeringenieur                               | <b>STA</b><br><b>Struct. Analysis of Plates and Shells (P.6)</b><br>BGU32027D2<br>Seminar for Theory of Plates [2/4]<br>[3/4] and [4/4] in SS | N1179 / CIP-Raum 3238<br>Zerörungsfreie Prüfung im Bauwesen [1/5]<br>[4/5] und [5/5] im SS<br>16:00 – 18:30 Uhr<br>cbm Lichtenbergstr. 2, Raum 01.023.1 |
| 18:30 - 20:00 |  |  |  |   | <b>BWE</b><br><b>Bauwerkserhaltung (P.12)</b><br>BGU64008<br>Übung zur zerstörungsfreien Prüfung [3/5]<br>cbm, Lichtenbergstr. 2, Raum 01.023.1         |

<https://wiki.tum.de/pages/viewpage.action?pageId=876675571>

<https://wiki.tum.de/display/docs/View+semester+plan+and+schedule>



<https://wiki.tum.de/display/docs/View+semester+plan+and+schedule>

# TUMonline

## Tutorials YouTube:

[https://www.youtube.com/results?search\\_query=tum+online+course+registration](https://www.youtube.com/results?search_query=tum+online+course+registration)

The screenshot shows a YouTube search results page for the query "tum online course registration". The search bar at the top contains the text "tum online course registration". On the left side, there is a navigation menu with icons for Start, Entdecken, Shorts, Abos, and Mediathek. The search results are displayed in a list format. The first result is a video titled "Online Application at TUM – Update | A TUMonline Tutorial" by TUMuenchen, with 9707 views and posted 7 months ago. The video thumbnail shows a laptop screen with a registration form and a blue "UPDATE" badge. The second result is a video titled "TUMonline: Einführung in Oberfläche, Navigation und Funktionen" by TUM Student Info, with 2793 views and posted 1 year ago. The video thumbnail shows a laptop screen with the TUMonline interface and a blue "NEU" badge. The third result is partially visible and titled "TUMonline: Application 'Courses'".

## TUMonline

- Every student can view his personal curriculum in TUMonline

<https://wiki.tum.de/display/docs/Studierende>

- Registration for the courses via TUMonline

<https://www.youtube.com/watch?v=MsBN7R6OqSk>

- Registration and deregistration of exams via TUMonline

<https://www.youtube.com/watch?v=N4ghx0qc338>

- Score publication via TUMonline

- Certificate of Enrolment etc. can be printed out via TUMonline

<https://www.youtube.com/watch?v=2x4cCnRD1E8>

## MyTUM

[https://portal.mytum.de/navigation\\_view](https://portal.mytum.de/navigation_view)

MyTUM-Portal  
Technical University of Munich

- Home
- News +
- Calendar +
- Important documents +
- Jobs +
- Online services and login pages +
- Bulletin board +
- Contacts and support +

Sitemap >

# MyTUM: The portal for staff and students at the Technical University of Munich

**Welcome to the MyTUM portal. Here you will find important documents, forms, services and information relating to work and study.**

Please note that the Technical University of Munich (TUM) offers much more online content beyond the MyTUM portal. Links to similar offers elsewhere on the university webpages are provided on the overview pages.

**You have questions, complaints or requests?** Then contact us at: [it-support@tum.de](mailto:it-support@tum.de)

**Didn't find what you were looking for?** Try the [MyTUM search engine](#).

- Search for courses on TUMonline!

**„Business card“ on TUMonline**  
→ Click **“Study Status/ Curriculum“**

Studies and Courses

|                           |         |                |               |          |
|---------------------------|---------|----------------|---------------|----------|
| Study Status / Curriculum | Courses | Module Catalog | Student Files | Calendar |
|---------------------------|---------|----------------|---------------|----------|

Exams

|            |                   |                 |             |  |
|------------|-------------------|-----------------|-------------|--|
| Exam Dates | Exam Registration | My Achievements | Transcripts | Recognitions / Achievement Supplements |
|------------|-------------------|-----------------|-------------|--|

Admission

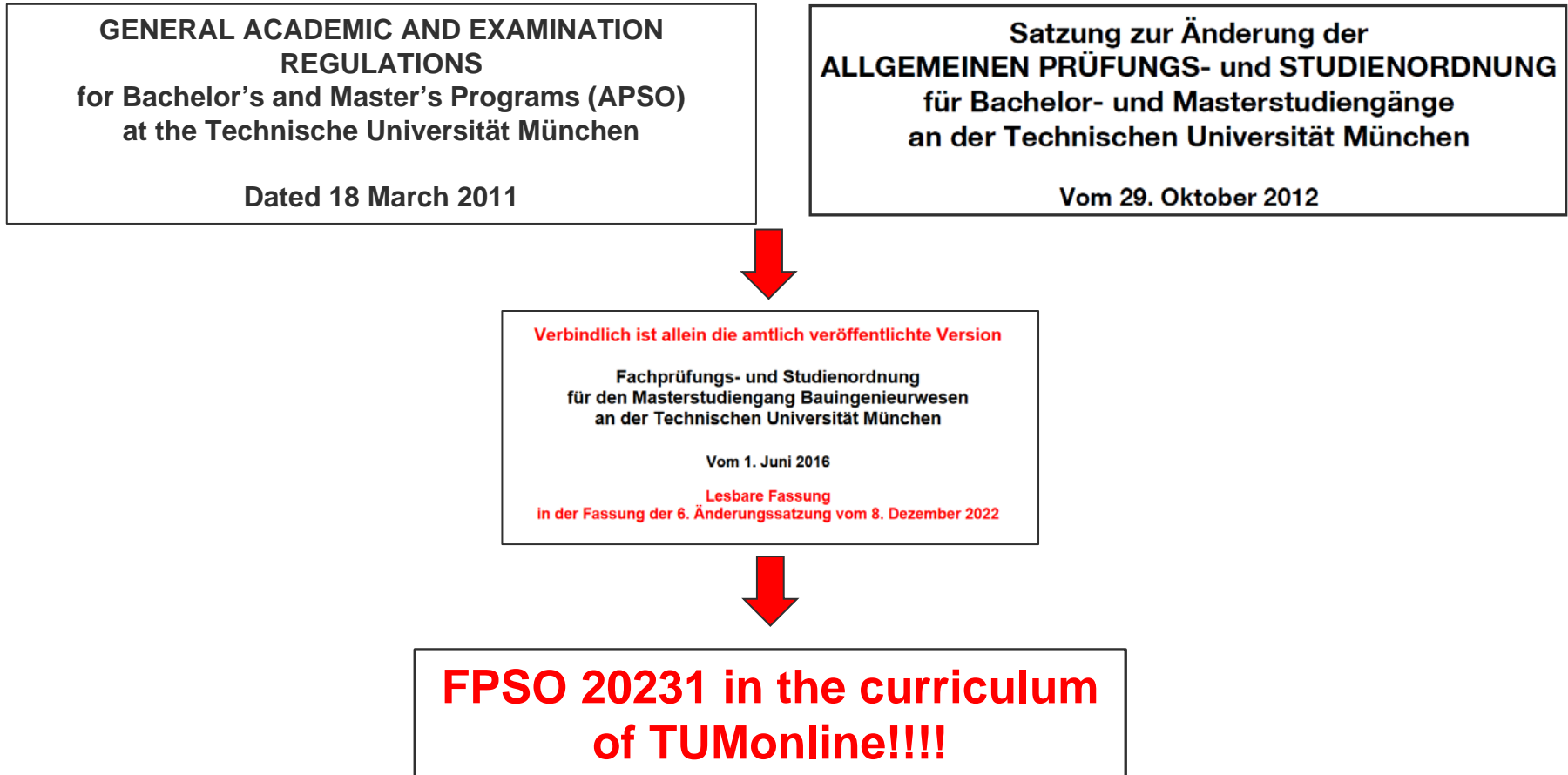
|           |              |                 |                                    |                 |
|-----------|--------------|-----------------|------------------------------------|-----------------|
| Documents | Tuition Fees | Current Address | TUMcard Passport Photograph Upload | My Applications |
|-----------|--------------|-----------------|------------------------------------|-----------------|

You can see your Areas of Specialization, all the Required- and Elective Modules such as dates of the exams, grades, ...

Account

|           |                 |        |                  |                         |
|-----------|-----------------|--------|------------------|-------------------------|
| Login Log | Change Password | TUM ID | E-mail Addresses | StudiTUM Administration |
|-----------|-----------------|--------|------------------|-------------------------|

## Structure of the master's program in Civil Engineering





## Structure of the master's program in Civil Engineering

4 areas of specialization or

3 areas of specialization + 1 personalized specialization subject

|   |   |                                      |                                      |                                      |                                      |         |
|---|---|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------|
| 4th semester                              | Master's Thesis (30 Credits)  |                                      |                                      |                                      |                                      | Credits |
|   |   |                                      |                                      |                                      |                                      | 30      |
| 1st to 3rd semester                       | Specialization Subject 1  | Specialization Subject 2             | Specialization Subject 3             | Specialization Subject 4             | Personalized Specialization Subject  | 72/75   |
|   | 12 Credits from the Required Modules  | 12 Credits from the Required Modules | 12 Credits from the Required Modules | 12 Credits from the Required Modules | 12 Credits from the Required Modules |         |
|   | 6 Credits from the Elective Modules   | 6 Credits from the Elective Modules  | 6 Credits from the Elective Modules  | 6 Credits from the Elective Modules  | 9 Credits from the Elective Modules  |         |
|   | Elective Modules from the Master's program in Civil Engineering amounting to 12 Credits for the choice of four Specialization Subjects or 9 Credits for the choice of a Personalized Specialization Subject |                                      |                                      |                                      |                                      | 12/9    |
| 6 Credits from the whole range of the TUM |   |                                      |                                      |                                      | 6                                    |         |
| <b>Total</b>                              |   |                                      |                                      |                                      | <b>120</b>                           |         |



**Aus:  
FPSO20231**

# Structure of the master's program in Civil Engineering

Koinon-School Portal  
 TUM School of Engineering and Design  
 Technical University of Munich

- Portal +
- Teaching Load +
- Teaching Assignments +
- Teaching Evaluation +
- Teaching Administration -
- Study Awards +
- Specialization Civil Eng -
- Notification
- Management**
- KPIs
- Right Requests +
- Rotation lists +

Portal > Lehrverwaltung > Master-Vertiefung-BI > Verwaltung

## Verwaltung

Hier können die Semester zur Meldung der Vertiefungsrichtungen angelegt und verwaltet werden.

+ New application round
⚙ Configuration



### Application round



| Semester             | Application deadline | Reports  | Export   | Edit   |
|----------------------|----------------------|--|--|--|
| Sommersemester 2022  | 25.04.2022           | <span style="background-color: #005596; color: white; padding: 2px 5px;">104 Students</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Export</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Edit</span> <span style="background-color: #c00; color: white; padding: 2px 5px;">Delete</span> |
| Wintersemester 22/23 | 30.09.2022           | <span style="background-color: #005596; color: white; padding: 2px 5px;">148 Students</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Export</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Edit</span> <span style="background-color: #c00; color: white; padding: 2px 5px;">Delete</span> |
| Sommersemester 2023  | 28.04.2023           | <span style="background-color: #005596; color: white; padding: 2px 5px;">163 Students</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Export</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Edit</span> <span style="background-color: #c00; color: white; padding: 2px 5px;">Delete</span> |
| Wintersemester 23/24 | 09.10.2023           | <span style="background-color: #005596; color: white; padding: 2px 5px;">251 Students</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Export</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Edit</span> <span style="background-color: #c00; color: white; padding: 2px 5px;">Delete</span> |
| Sommersemester 2024  | 29.03.2024           | <span style="background-color: #005596; color: white; padding: 2px 5px;">183 Students</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Export</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Edit</span> <span style="background-color: #c00; color: white; padding: 2px 5px;">Delete</span> |
| Wintersemester 24/25 | 04.10.2024           | <span style="background-color: #005596; color: white; padding: 2px 5px;">144 Students</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Export</span> | <span style="background-color: #005596; color: white; padding: 2px 5px;">Edit</span> <span style="background-color: #c00; color: white; padding: 2px 5px;">Delete</span> |

# Structure of the master's program in Civil Engineering

22 areas of specialization

|                                 |                      |  |                         |   |                                     |  |                        |
|---------------------------------|----------------------|--|-------------------------|---|-------------------------------------|--|------------------------|
| Baukonstruktion                 | Structural Mechanics | Bauphysik                              | Bauprozessmanagement    | Bauwerks-erhaltung                        | Computation Modeling and Simulation | Energy Efficient and Sustainable Design and Building | Querschnittsvertiefung |
| Geotechnik                      | Holzbau              | Hydro-mechanics                        | Real Estate Development | Massivbau                                 | Metallbau                           | Engineering Risk and Reliability                     |                        |
| Urban Water Systems Engineering | Structural Analysis  | Traffic Control and Transport Planning | Verkehrs-wegebau        | Hydraulic and Water Resources Engineering | Werkstoffe                          | Tunnelbau  |                        |

 Modules in German  
 Modules selection

 Modules in English  
 Modules in English or German

# Structure of the master's program in Civil Engineering

There are 22 different Areas of Specialization – detailed of TUMonline:



16 310 Civil Engineering (20231, Master's program, current)

**Curriculum**  
Academic year 2024/25

Node filter-Name

- [-] [20231] Master Civil Engineering
  - actual Credits of Required Modules
  - actual Credits of Elective Modules
  - actual Credits of Supplementary Subjects
  - [-] Areas of Specialization
    - Specialization Subject Structural Design
    - Specialization Subject Structural Mechanics
    - Specialization Subject Building Physics
    - Specialization Subject Management of Business- and Engineering Processes
    - Specialization Subject Condition Control and Repair of Structures
    - Specialization Subject Computational Modeling and Simulation
    - Specialization Subject Energy Efficient and Sustainable Design and Building
    - Specialization Subject Advanced Geotechnics
    - Specialization Subject Timber Structures
    - Specialization Subject Hydromechanics
    - Specialization Subject Real Estate Development
    - Specialization Subject Concrete and Masonry Structures
    - Specialization Subject Metal Structures
    - Specialization Subject Engineering Risk and Reliability
    - Specialization Subject Urban Water Systems Engineering
    - Specialization Subject Structural Analysis
    - Specialization Subject Traffic Control and Transport Planning
    - Specialization Subject Road, Railway and Airfield Construction
    - Specialization Subject Hydraulic and Water Resources Engineering
    - Specialization Subject Building Materials
    - Specialization Subject Advanced Tunneling
    - Personalized Specialization Subject
  - Catalogue of Elective Modules
  - Supplementary Subjects
  - Master's Thesis
  - Aufgaben

## Structure of the master's program in Civil Engineering

Attention: Lectures that will be hold at the same time

### **Attention:**

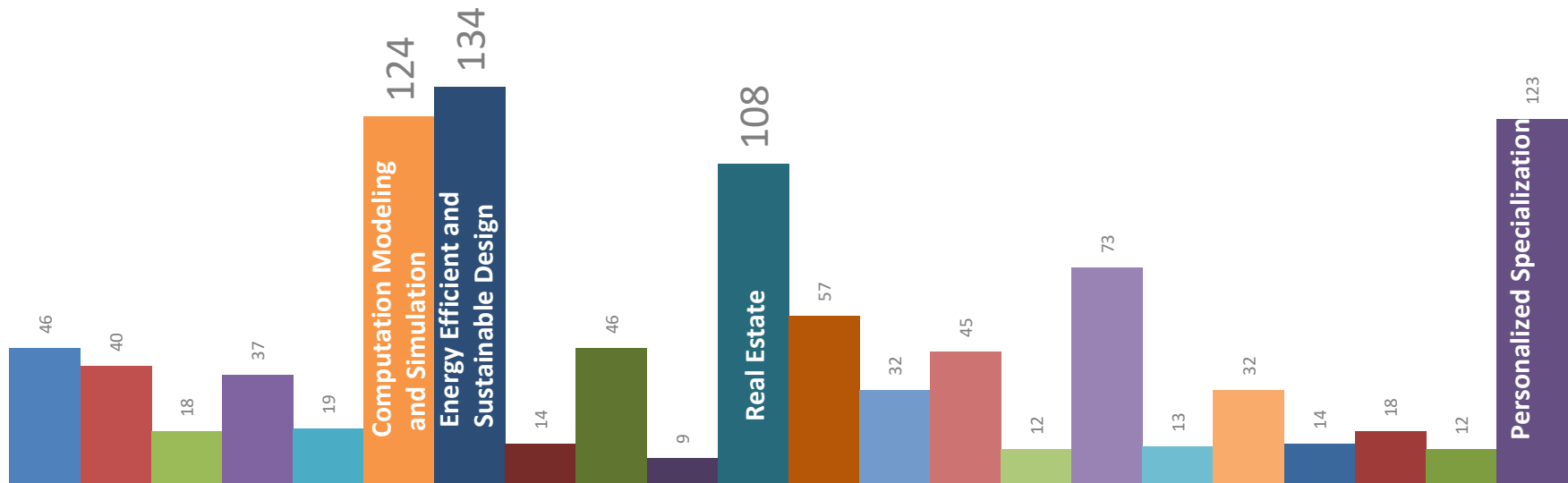
**Due to the high number of specialisations, there are several overlapping courses.**

**Every student must create his or her own individual timetable!**

## Structure of the master's program in Civil Engineering

|   |  |
|---|--|
| <b>Metal Structures</b>   | <b>Road, Railway and Airfield Construction</b>                           |
| <b>Timber Structures</b>  | <b>Traffic Control and Transport Planning</b>                            |
| <b>Structural Analysis</b>  | <b>Building Materials and Condition Control and Repair of Structures</b> |
| <b>Structural Mechanics</b>   | <b>Hydraulic and Water Resources Engineering</b>                         |
| <b>Foundation Engineering, Soil Mechanics, Rock Mechanics and Tunneling</b> | <b>Building Physics</b>  |
| <b>Management of Business- and Engineering Processes</b>                    | <b>Hydromechanics</b>  |
| <b>Structural Design</b>  | <b>Urban Water System Engineering</b>                                    |
| <b>Computation in Engineering</b>   | <b>Real Estate Development</b>   |
| <b>Concrete and Masonry Structures</b>                                      | <b>Energy Efficient and Sustainable Design and Building</b>              |

## Specializations selected in WS 23/24



1

## Structure of the master's program in Civil Engineering

### Personalized Specialization Subject

- The choice of the subjects should be related to the future job outline and be made in your personal interest
- Subjects should supplement the other areas of specialization
- When choosing a Personalized Specialisation Subject the individual choice of subjects has to be arranged with the **Main Subject** and handed in by the **end of the lectures of the first semester of the master's program (for the winter semester until the 31st of January, for the summer semester until the 31st of July)**.
- The choice of the **Required Modules of the Personalized Specialization Subject**, signed by the **Main Subject** and the student are binding and **can not be changed** afterwards. (An exception is only possible if the chosen module is verifiably not accessible anymore).



## Structure of the master's program in Civil Engineering

### Personalized Specialization Subject

- The choice of the **Elective Modules of the Personalized Specialization Subject** can still be changed, if the modification is coordinated with the main subject. Therefore the form for the choice of the Personalized Specialization Subject has to be filled in again and signed by the main subject showing the new date.
- Generally, subjects for the Personalized Specialization Subject can be compiled by the whole range of the TUM. Whether this combination makes sense or not will be examined by the **Main Subject**.
- However, it is not possible to choose a 12-Credits-Required Modules of a master's program in Civil Engineering in the Personalized Specialization Subject. Students who choose 12-Credits Required Modules of a specialization can not do this in the Personalized Specialization Subject. They have to take the regular specialization.

## Structure of the master's program in Civil Engineering

### Main Subject:

You choose one Chair/ Area of specialization in Civil Engineering as a Main Subject

### Functions:

- Examine the combination of the chosen specialization on job-related meaning
- Approve the chosen subjects of the Personalized Specialization
- Advise and supervise questions of the Specialization Subjects

### **The master's thesis is not linked to the Main Subject.**

The Main Subject act as a mentor.

How to contact my mentor?

-> Contact the responsible chair of the specialization, ask who is the mentor.

## Structure of the master's program in Civil Engineering

### Personalized Specialization Subject

- To write the **master's thesis** in a **Personalized Specialization Subject**, you have to make a written application at the examination board
- The module required to reach the last Credit counts in full
- Example:
  1. Required module: 5 ECTS
  2. Required module : 4 ECTS
  3. Required module : 4 ECTSIn total: 13 ECTS in the required modules



# Structure of the master's program in Civil Engineering

## Personalized Specialization Subject

Wahl der Querschnittsvertiefung im  
**TUM Master Bauingenieurwesen/**  
 Choice of the Personalized Specialization Subject  
**of the master's program in Civil Engineering**

Name, Vorname/  
Surname, First Name .....

Matrikelnummer/  
Registration Number .....

Vertiefungsfächer/  
Area of Specialization

1. ....

2. ....

3. ....

| Modulnummer/<br>Module ID | Prüfungsmodul/<br>Examination module | Lehrstuhl/<br>Chair | ECTS/<br>Credits | P /R* | W/ E* |
|---------------------------|--------------------------------------|---------------------|------------------|-------|-------|
|                           |                                      |                     |                  |       |       |

Main Subject

Personalized  
Specialization

## Structure of the master's program in Civil Engineering

### Choice of specialization

- Combinations related to the future job
- Subjects that comply with your personal interests and preferences

### **Motivation:**

Where are my strengths and interests?

What kind of work will I do?

Where / how can I learn it best at the university?

Do the chosen subjects fit together?

Job prospects?

Is there any sympathy to the chairs?


## Structure of the master's program in Civil Engineering

### I want to change my choice of specialization

- Within the first Master's semester, a change of specialization is possible without the consent of the main subject. Please fill in the form and send it to Manuela Schillo [m.schillo@tum.de](mailto:m.schillo@tum.de)
- From the second semester onwards, a change of specialization is only possible with the consent of the main subject. Send the form with the signature of the main subject to Ms Schillo [m.schillo@tum.de](mailto:m.schillo@tum.de)
- **Attention: Those who were registered for the examination of a required module of a specialization and have not deregistered or have not passed must first pass this module before a change is possible!**

DER VORSITZENDE DES PRÜFUNGS-AUSSCHUSSES  
FÜR DIE DIPLOM-, BACHELOR- UND MASTERPRÜFUNG  
IM BAUINGENIEURWESEN

UNIV.-PROF.DR.-ING. STEPHAN FREUDENSETIN



TECHNISCHE  
UNIVERSITÄT  
MÜNCHEN

**Änderung der Vertiefungsfachkombination/  
Changing the combination of the Specialization Subject**

Name, Vorname/  
Surname, First Name .....

Matrikelnummer/  
Registration Number .....

Email .....

Hiermit melde ich mich gemäß der Prüfungsordnung für Bauingenieure (Master-FPSO 2016+2018+2019) zu folgender geänderten Vertiefungsfächerkombination an/  
I hereby register in accordance with the examination regulations for civil engineers (Master-FPSO 2016+2018+2019) for the following changed combination of the Personalized Specialization subject:

1. Leitfach/  
Main subject .....
2. Vertiefungsfach/  
Area of Specialization .....
3. Vertiefungsfach/  
Area of Specialization .....
4. Vertiefungsfach/  
Area of Specialization .....

Die Zulässigkeit der gewählten Kombination wird von dem jeweiligen Leitfach geprüft. Änderungen an der Vertiefungskombination sind nur in Beratung und in Abstimmung mit dem festgelegten Leitfach möglich. Ein Wechsel des Leitfaches ist nur nach Abstimmung mit beiden betroffenen Lehrstühlen möglich. Alle Änderungen müssen dem Prüfungsausschuss schriftlich mitgeteilt werden/  
The admissibility of the chosen combination will be checked by the respective Main Subject. Changes to the combination of Specializations are only possible in consultation and in agreement with the chosen Main Subject. A change of the Main Subject is only possible after consultation with both chairs involved. All changes must be notified in written form to the examination board.

München, den .....

Unterschrift Leitfach/ Signature Main Subject

Unterschrift Student/in/ Signature Student

<https://wiki.tum.de/pages/viewpage.action?pageId=876675571>

## Structure of the master's program in Civil Engineering

6 ECTS from the whole range of the TUM (Supplementary Subjects):

- whole range of the TUM
- Language courses:
  - English Courses only higher levels than submitted for the application
  - German Courses from level B2
  - All other languages: from A1.2 range
  - Other courses depend on the native language. Courses in the native language are not counted.
  - **Requirement:** Any module in German until the end of the 2nd semester!
- Carl von Linde Akademie
- Modules from abroad

<https://www.sprachenzentrum.tum.de/sz/startseite/>

**You must register for the supplementary subjects as a free subject!**



# Structure of the master's program in Civil Engineering

6 ECTS from the whole range of the TUM (Supplementary Subjects):

By activating the "inact. nodes" all supplementary subjects can be displayed which were occupied in the past

**Curriculum**  
Academic year 2019/20

Node filter-Name

- [-] [20191] Master Civil Engineering
  - actual Credits of Required Modules
  - actual Credits of Elective Modules
  - actual Credits of Supplementary Subjects
  - Areas of Specialization
  - Catalogue of Elective Modules
  - Supplementary Subjects
    - [VK] [AR17042] Historic Structures
    - [VK] [AR17041] Climate responsive Building II
    - [VK] [BGU900010] Partner University - Elective Module
    - [VK] [WZ4218] Apiology
    - [VK] [BGU900015] Partner University - Elective Module
    - [VK] [BGU900016] Partner University - Elective Module
    - [VK] [BGU900011] Partner University - Elective Module
    - [VK] [BGU900012] Partner University - Elective Module
    - [VK] [BGU900013] Partner University - Elective Module
    - [VK] [BGU900014] Partner University - Elective Module
    - [VK] [WZ2003] Biochemistry 2: Metabolism
    - [VK] [BV470017] Advanced GIS for Environmental Engineering - Applications
    - [VK] [MW0174] Building Aerodynamics
    - [VK] [CH1120] General and Inorganic Chemistry
    - [VK] [BGU38019] Anaerobic Processes and Energy Recovery
    - [VK] [AR17003] Applied Planning and Building Legislation
    - [VK] [BGU37018] Optimization of building materials for practical applications
    - [VK] [WI001111] Applied Strategy and Organization: Strategies for international Corporations
    - [VK] [SZ0118] Arabic A1.1
    - [VK] [SZ0119] Arabic A1.2
    - [VK] [SZ0120] Arabic A2.1
    - [VK] [SZ0108] Arabic B1.1
    - [VK] [AR30049] Architecture in Extreme Environments I: Outer Space, Desert, Water
    - [VK] [BV630004] Reports on Research and Engineering
    - [VK] [BV340015] Railway module
    - [VK] [BGU65008T2] Computation in Civil and Environmental Engineering Supplementary Module
    - [VK] [BV000058] Construction Economics I
    - [VK] [BV000064] Construction Economics II

Go to

[Check for overlaps](#)

Display [Refresh](#) [Show inact. nodes](#)

View [Curriculum](#) [Semester plan](#)

Node filter [All](#) [Exam date](#)

Academic year 2019/20

| Node filter-Name   | Part of the Curriculum | rec. sem. | Credits | WF |
|--|------------------------|-----------|---------|----|
| [20191] Master Civil Engineering   | Yes                    |           | 120     | 1  |
| actual Credits of Required Modules   | No                     |           | 48      | 1  |
| actual Credits of Elective Modules   | No                     |           | 36      | 1  |
| actual Credits of Supplementary Subjects   | No                     |           | 6       | 1  |
| Areas of Specialization  | Yes                    |           | 72      | 1  |
| Catalogue of Elective Modules  | Yes                    |           | 1       | 1  |
| Supplementary Subjects   | Yes                    |           | 6       | 1  |
| [VK] [AR17042] Historic Structures   | Yes                    |           | 3       | 1  |
| [VK] [AR17041] Climate responsive Building II  | Yes                    |           | 3       | 1  |
| [VK] [BGU900010] Partner University - Elective Module  | Yes                    |           | 1       | 1  |
| [VK] [WZ4218] Apiology   | Yes                    |           | 5       | 1  |
| [VK] [BGU900015] Partner University - Elective Module  | Yes                    |           | 3       | 1  |
| [VK] [BGU900016] Partner University - Elective Module  | Yes                    |           | 3       | 1  |
| [VK] [BGU900011] Partner University - Elective Module  | Yes                    |           | 1       | 1  |
| [VK] [BGU900012] Partner University - Elective Module  | Yes                    |           | 1       | 1  |
| [VK] [BGU900013] Partner University - Elective Module  | Yes                    |           | 1       | 1  |
| [VK] [BGU900014] Partner University - Elective Module  | Yes                    |           | 3       | 1  |
| [VK] [WZ2003] Biochemistry 2: Metabolism   | Yes                    |           | 3       | 1  |
| [VK] [BV470017] Advanced GIS for Environmental Engineering - Applications                    | Yes                    |           | 3       | 1  |
| [VK] [MW0174] Building Aerodynamics  | Yes                    |           | 3       | 1  |
| [VK] [CH1120] General and Inorganic Chemistry  | Yes                    |           | 3       | 1  |
| [VK] [BGU38019] Anaerobic Processes and Energy Recovery                                      | Yes                    |           | 3       | 1  |
| [VK] [AR17003] Applied Planning and Building Legislation                                     | Yes                    |           | 3       | 1  |
| [VK] [BGU37018] Optimization of building materials for practical applications                | Yes                    |           | 3       | 1  |
| [VK] [WI001111] Applied Strategy and Organization: Strategies for international Corporations | Yes                    |           | 6       | 1  |
| [VK] [SZ0118] Arabic A1.1  | Yes                    |           | 3       | 1  |
| [VK] [SZ0119] Arabic A1.2  | Yes                    |           | 3       | 1  |
| [VK] [SZ0120] Arabic A2.1  | Yes                    |           | 3       | 1  |
| [VK] [SZ0108] Arabic B1.1  | Yes                    |           | 3       | 1  |
| [VK] [AR30049] Architecture in Extreme Environments I: Outer Space, Desert, Water            | Yes                    |           | 3       | 1  |
| [VK] [BV630004] Reports on Research and Engineering  | Yes                    |           | 2       | 1  |
| [VK] [BV340015] Railway module   | Yes                    |           | 3       | 1  |
| [VK] [BGU65008T2] Computation in Civil and Environmental Engineering Supplementary Module    | Yes                    |           | 5       | 1  |
| [VK] [BV000058] Construction Economics I   | Yes                    |           | 3       | 1  |
| [VK] [BV000064] Construction Economics II  | Yes                    |           | 3       | 1  |

## Progress review

APSO §10:

In the master's program you have to achieve

1. by the end of the third semester at least **30 credits**,
2. by the end of the fourth semester at least **60 credits**,
3. by the end of the fifth semester at least **90 credits**,
4. by the end of the sixth semester at least **120 credits**.

The curriculum provides 30 credits per semester to complete the master's degree in the standard period of study.

1 Required Modul must be passed until the end of the 2nd semester !!!

## Scholarships by Roland Mall Foundation

**Three scholarships** will be awarded talented students in the areas of water and environment (**Master Civil Engineering and Environmental Engineering TUM**)

The scholarship awardee will be supported as follows:

- The scholarship amount is €500 per month.
- The maximum duration of the scholarship corresponds to the regular study time needed to complete the Master's Degree.
- The start of the scholarship will be at the time of the official scholarship award.

**Information:**

<https://www.tum.de/en/studies/fees-and-financial-aid/scholarships/other-scholarships>

**Application deadline:** 31 October 24 <mailto:b.helmreich@tum.de>

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<https://www.oskarvonmillerforum.de/en/application/>

Thank you for your attention and  
a good start in your master's program!