Guidelines for International Student Exchange at the Faculty of Architecture

Status June 2021
Organisation of Windows of Mobility for Outgoing Students from the RWTH Faculty of Architecture
Basic Principles

The Bachelor of Architecture, Master of Architecture, Master of Urban Planning and Master Transforming City Regions programmes each define mobility windows consisting of modules with a total of at least 30 CP. These modules can be recognised as examination achievements in the programme.*

If students have earned at least 54 CP abroad, of which at least 24 CP are extra credits, the certificate will include the addition "with International Honors". Extra means that they did not count towards an RWTH examination performance, but are recorded on the transcript for the module abroad..

* In exceptional cases, further subjects may be accredited after the stay abroad following a case-by-case examination by the subject-related teaching units. All final theses are excluded from this rule.
# Study plan Bachelor of Science in Architecture

**examination regulations 2019**

## Commencement of studies in winter semester

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cultural and Historical Basics I</td>
<td>6 CP</td>
</tr>
<tr>
<td>1</td>
<td>Structures and Structural Design I</td>
<td>6 CP</td>
</tr>
<tr>
<td>1</td>
<td>Building Construction I + Building Materials Science</td>
<td>12 CP</td>
</tr>
<tr>
<td>1</td>
<td>Arts and Design I</td>
<td>12 CP</td>
</tr>
<tr>
<td>2</td>
<td>Design Basics</td>
<td>6 CP</td>
</tr>
<tr>
<td>2</td>
<td>Design</td>
<td>16 CP</td>
</tr>
<tr>
<td>3</td>
<td>Cultural and Historical Basics II</td>
<td>6 CP</td>
</tr>
<tr>
<td>3</td>
<td>Structures and Structural Design II</td>
<td>6 CP</td>
</tr>
<tr>
<td>3</td>
<td>Building Construction II</td>
<td>6 CP</td>
</tr>
<tr>
<td>3</td>
<td>Urban and Landscape Planning Basics</td>
<td>6 CP</td>
</tr>
<tr>
<td>3</td>
<td>Integrated project in City and Landscape</td>
<td>12 CP</td>
</tr>
<tr>
<td>4</td>
<td>Cultural and Historical Basics III</td>
<td>6 CP</td>
</tr>
<tr>
<td>4</td>
<td>Building Technology I</td>
<td>6 CP</td>
</tr>
<tr>
<td>4</td>
<td>Digital Construction Processes + Methods</td>
<td>6 CP</td>
</tr>
<tr>
<td>4</td>
<td>Integrated Project in Architecture and Construction</td>
<td>12 CP</td>
</tr>
<tr>
<td>5</td>
<td>Cultural and Historical Basics IV</td>
<td>6 CP</td>
</tr>
<tr>
<td>5</td>
<td>Elective Bachelor</td>
<td>3 CP</td>
</tr>
<tr>
<td>5</td>
<td>Scientific Skills</td>
<td>3 CP</td>
</tr>
<tr>
<td>5</td>
<td>Arts and Design II</td>
<td>3 CP</td>
</tr>
<tr>
<td>5</td>
<td>Elective Design Studio</td>
<td>12 CP</td>
</tr>
<tr>
<td>6</td>
<td>Social, Economic and Legal Basics</td>
<td>3 CP</td>
</tr>
<tr>
<td>6</td>
<td>Bachelor Thesis</td>
<td>15 CP</td>
</tr>
</tbody>
</table>

The certificate of a construction industry internship of eight weeks full-time is to be handed in at the admission of the bachelor thesis latest. It is recommended to serve the internship prior to the commencement of study.

**Campus Map**

- Compulsory modules
- Elective modules
- Optional semester abroad
- Project/design studio
Study plan Master of Science in Architecture

examination regulations 2019

Studiendekan der Fakultät für Architektur
Univ.-Prof. Dipl.-Ing. Hartwig Schneider

1. History and Theory
   - Lecture
   - Lecture
   - 3 CP

2. Strategies of Design
   - Lecture
   - Lecture
   - 3 CP

3. Building Law
   - Lecture
   - Lecture
   - 6 CP

4. Research Field in Architecture and Urbanism I*
   - Seminar
   - 6 CP

5. Research Field in Architecture and Urbanism II*
   - Seminar
   - 6 CP

6. Impromptu Design
   - Lecture
   - Lecture
   - 3 CP

7. Seminario Design
   - Impromptu Design
   - Impromptu Design

8. Design Studio M1
   - Project/Design Studio
   - 15 CP

9. Design Studio M2 in Architecture
   - Project/Design Studio
   - 30 CP

10. Elective Architecture
    - Elective Faculty 3 CP
    - Elective Faculty 3 CP
    - Elective Faculty 3 CP
    - 9 CP

11. Master Thesis MT in Architecture
    - Project/Design Studio/Research Paper
    - No master thesis (taken during the 3rd semester)
    - 30 CP

* Each Research Field can comprise either of 6 CP in one semester or of 8 CP in 2 semesters.

All modules are eligible at all times. It is recommended to choose 1 design-studio maximum per semester. The module components „Scientific Integrity“ (Start of studies from WS/Se 2020/21) and „Office Internship“ (proof of a six-month full-time office internship) must be submitted by the time of admission to the master's thesis at the latest. It is recommended to complete the internship before the start of the study program.
# Study plan Master of Science in Urban Planning

**Examination regulations 2019**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Processes, Methods and Instruments of Urban Development</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Neighbourhood Management</td>
<td>3 CP</td>
</tr>
<tr>
<td></td>
<td>Technical Infrastructures and Planning Law</td>
<td>3 CP</td>
</tr>
<tr>
<td></td>
<td>Landscape Architecture and Ecology in City Planning</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Impromptu Design</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Seminaristic Supplement I</td>
<td>15 CP</td>
</tr>
<tr>
<td></td>
<td>Design Studio M1</td>
<td>15 CP</td>
</tr>
<tr>
<td></td>
<td>Seminaristic Supplement II</td>
<td>15 CP</td>
</tr>
<tr>
<td></td>
<td>Design Studio M2 in Urbanism</td>
<td>15 CP</td>
</tr>
<tr>
<td></td>
<td>Seminaristic Supplement III</td>
<td>15 CP</td>
</tr>
<tr>
<td></td>
<td>Design Studio M3 in Urbanism</td>
<td>15 CP</td>
</tr>
<tr>
<td></td>
<td>Research Field in Architecture and Urbanism I*</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Elective Urbanism</td>
<td>3 CP</td>
</tr>
<tr>
<td></td>
<td>Transit Urbanism**</td>
<td>3 CP</td>
</tr>
<tr>
<td></td>
<td>Master Thesis MT in Urbanism</td>
<td>30 CP</td>
</tr>
</tbody>
</table>

* Each Research Field can comprise either of 6 CP in one semester or of 6 CP in 2 semesters.
** Elective 3 CP outside the faculty of architecture.

**All modules are eligible at all times.** It is recommended to choose 1 design-studio maximum per semester. The module components „Scientific Integrity“ (Start of studies from WSe 2020/21) and „Office Internship“ (proof of a six-month full-time office internship) must be submitted by the time of admission to the master’s thesis at the latest. It is recommended to complete the internship before the start of the study program.
## Curriculum Framework for Master of Science in Transforming City Regions

According to RWTH’s comprehensive examination regulation

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Details</th>
<th>CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Urban transformation</td>
<td>6 CP</td>
</tr>
<tr>
<td>2</td>
<td>Planning &amp; design for changing cities</td>
<td>6 CP</td>
</tr>
<tr>
<td>3</td>
<td>Evolving environment, Transforming landscapes</td>
<td>6 CP</td>
</tr>
<tr>
<td>4</td>
<td>Impromptu courses / Field trip</td>
<td>3 CP</td>
</tr>
<tr>
<td>5</td>
<td>Theoretical and methodological seminar for the Integrated Project I</td>
<td>3 CP</td>
</tr>
<tr>
<td>6</td>
<td>Integrated Project I: Transforming urban structure</td>
<td>15 CP</td>
</tr>
<tr>
<td>7</td>
<td>Integrated Project II: Evolution of functional urban areas</td>
<td>15 CP</td>
</tr>
<tr>
<td>8</td>
<td>Integrated Project III: Networked urban systems in Europe</td>
<td>15 CP</td>
</tr>
</tbody>
</table>

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* Depending on the field of study this course can last 1 or 2 semesters. In any case it is 6CP. Two semesters are recommended.

** Master thesis shall be prepared within one semester time. The presentation and defence of the thesis will take place at the end of the 4th semester.
Detailed Definition of the Scope of Projects

Valid for Architecture B. Sc., Architecture M. Sc., Urban Planning M. Sc., and Master Transforming City Regions.

If a design project from abroad is to be recognised in Aachen as an “Elective Project (12 CP)” for the Bachelor programme but awards fewer than 10 CP, recognition will be assessed in the context of the Learning Agreement before the start of the exchange or after returning from abroad by submitting the work. Recognition may be granted subject to supplementary work. The same applies to projects in all three Masters‘ programmes: If a design project from abroad is to be recognised in Aachen as a one-semester Master's project (15 CP), but has less than 12 CP, recognition will be assessed in the context of the Learning Agreement before the start of the exchange or after returning from abroad by submitting the work. Here, too, recognition may be granted subject to supplementary work.
Organisation of Electives for Incoming Students at the RWTH Faculty of Architecture
Basic Principles

The guidelines define which modules can be chosen as electives by incoming students to the RWTH Faculty of Architecture. The available options depend on the individual academic level of the incoming student as Bachelor and Master programmes differ in length (for Erasmus: Bachelor three to five years, Master one to two years). The CP already attained at the home university by the start of the semester at Aachen are decisive for the assessment:

- $< 160$ CP  Bachelor courses can be chosen in either exchange semester
- $\geq 160$ CP  Bachelor courses can be chosen in the 1$^{st}$ exchange semester
  Bachelor + Master courses can be chosen in the 2$^{nd}$ exchange semester
- $\geq 180$ CP  Bachelor + Master courses can be chosen in either exchange semester
Study plan Bachelor of Science in Architecture

The certificate of a construction industry internship of eight weeks full-time is to be handed in at the admission of the bachelor thesis latest. It is recommended to serve the internship prior to the commencement of study.
Study plan Master of Science in Architecture

examination regulations 2019

commencement of studies in winter semester

1

History and Theory
lecture
3 CP

Strategies of Design
lecture
3 CP

Building Law
lecture
6 CP

Research Field in Architecture and Urbanism I*
seminar
6 CP

Research Field in Architecture and Urbanism II*
seminar
6 CP

Impromptu Design
Impromptu design
Impromptu design

Seminartistic Supplement I

Design Studio M1
project/design studio
15 CP

Seminartistic Supplement II

Design Studio M2 in Architecture
project/design studio

Seminartistic Supplement III

Elective Architecture
elective faculty 3 CP
elective faculty 3 CP

Master Thesis MT in Architecture
project/design studio/research paper

6 CP

* Each Research Field can comprise either of 6 CP in one semester or of 6 CP in 2 semesters.

All modules are eligible at all times. It is recommended to choose 1 design-studio maximum per semester. The module components „Scientific Integrity“ (Start of studies from WSe 2020/21) and „Office Internship“ (proof of a six-month full-time office internship) must be submitted by the time of admission to the master’s thesis at the latest. It is recommended to complete the internship before the start of the study program.

projects/design studios

optional semester abroad

compulsory modules
elective compulsory modules
elective modules

Studiendekan der Fakultät für Architektur
Univ.-Prof. Dipl.-Ing. Hartwig Schneider

RWTH AACHEN
Study plan Master of Science in Urban Planning

examination regulations 2019

commencement of studies in winter semester

1. Processes, Methods and Instruments of Urban Development (tutorial 3 CP)
   Neighbourhood Management (tutorial 3 CP)
   Technical Infrastructures and Planning Law (tutorial 6 CP)
   Landscape Architecture and Ecology in City Planning (tutorial 6 CP)
   Impromptu Design (tutorial 6 CP)
   Seminaristic Supplement I (project/design studio 15 CP)
   Design Studio M1

2. Urban and Regional Planning (tutorial 6 CP)
   Elective Urbanism (elective faculty 3 CP)
   Research Field in Architecture and Urbanism I (semester 6 CP)
   Seminaristic Supplement II (project/design studio 15 CP)
   Design Studio M2 in Urbanism

3. Transit Urbanism**
   Research Field in Architecture and Urbanism II (semester 6 CP)
   Seminaristic Supplement III (project/design studio 15 CP)
   Design Studio M3 in Urbanism

4. Master Thesis MT in Urbanism (project/design studio/research paper 30 CP)
   (including master deposit taken during the 3rd semester)

* Each Research Field can comprise either of 6 CP in one semester or of 8 CP in 2 semesters.
** Elective 3 CP outside the faculty of architecture

All modules are eligible at all times. It is recommended to choose 1 design-studio maximum per semester. The module components „Scientific Integrity“ (Start of studies from WiSe 2020/21) and „Office Internship“ (proof of a six-month full-time office internship) must be submitted by the time of admission to the master's thesis at the latest. It is recommended to complete the internship before the start of the study program.
M.Sc. Construction & Robotics
According to examination regulation 2020

1. Innovation and Production Management
   - Basics of other disciplines
     - Select 3 out of 4
       - Computer Science Basics
       - Mech. Engineering Basics
       - Civil Engineering Basics
     - Architecture Basics
   - 18 CP

2. Construction Robotics Lecture Series I
   - 5 CP

3. Construction Robotics Lecture Series II
   - 5 CP

4. Master Thesis
   - 30 CP

A proof for internship with work experience in the construction industry for at least 40 days is required latest during admission process for Master’s thesis.
**Curriculum Framework for Master of Science in Transforming City Regions**

According to RWTH’s comprehensive examination regulation

1. **Urban transformation**
   - Lecture/Classes: 3 CP
   - 2 days: 3 CP

2. **Planning & design for changing cities**
   - Lecture/Classes: 3 CP
   - 2 days: 3 CP

3. **Evolving environment, transforming landscapes**
   - Lecture/Classes: 3 CP
   - 2 days: 3 CP

4. **Impromptu courses / Field trip**
   - 2 IC + 1 FT
   - 2 x 1.5 CP + 3 CP
   - 6 CP

5. **Theoretical and methodological seminar for the Integrated Project I**
   - Design / Project Studio
   - 4 days: 15 CP

6. **Integrated Project I: Transforming urban structure**
   - Lecture/Classes: 3 CP
   - 2 days: 3 CP

7. **Changing societies & economies**
   - Lecture/Classes: 3 CP
   - 2 days: 3 CP

8. **Territorial analysis, digital tools**
   - Lecture/Classes: 3 CP
   - 2 days: 3 CP

9. **European urban policies & territorial governing structures**
   - Lecture/Classes: 3 CP
   - 2 days: 3 CP

10. **Research module in urban and regional transformation**
    - Seminar
    - 6 CP

11. **Theoretical and methodological seminar for the Integrated Project II**
    - Design / Project Studio
    - 4 days: 15 CP

12. **Integrated Project II: Evolution of functional urban areas**
    - Lecture/Classes: 3 CP
    - 2 days: 3 CP

13. **Elective courses**
    - 2 courses
    - 4 days: 3 CP

14. **Multiple scales of urban planning and design**
    - Lecture/Classes: 3 CP
    - 2 days: 3 CP

15. **Research module in urban and regional transformation**
    - Seminar
    - 6 CP

16. **Theoretical and methodological seminar for the Integrated Project III**
    - Design / Project Studio
    - 4 days: 15 CP

17. **Integrated Project III: Networked urban systems in Europe**
    - Lecture/Classes: 3 CP
    - 2 days: 3 CP

18. **Master Thesis**
    - Project work and presentation of the thesis
    - 3.5 days: 30 CP

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* Depending on the field of study this course can last 1 or 2 semesters. In any case it is 6 CP.
  Two semesters are recommended.

** Master thesis shall be prepared within one semester time. The presentation and defence of the thesis will take place at the end of the 4th semester.