Guidelines for International Student Exchange at the Faculty of Architecture

Status September 2023
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 24 CP. These modules can be recognised as examination achievements in the programme.*

For the recognition of Master courses in advance, the regulations of the General Examination Regulations (ÜPO) and the corresponding Course-specific Examination Regulations (SPO) apply.

Credits earned abroad in one course may be accredited to more than one module or course in the Bachelor or Master programme only in exceptional cases and on approval by a subject-related teaching unit of RWTH Aachen.

If students have achieved more credits abroad than are used for the recognition in their Bachelor or Master programme, these credits may be recorded on the transcript upon request as additional achievements.

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**

<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></td>
<td>Structures and Structural Design I</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Building Construction I + Building Materials Science</td>
<td>12 CP</td>
</tr>
<tr>
<td></td>
<td>Arts and Design I</td>
<td>12 CP</td>
</tr>
<tr>
<td></td>
<td>Design Basics</td>
<td>6 CP</td>
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<tr>
<td></td>
<td>Design</td>
<td>6 CP</td>
</tr>
<tr>
<td>2</td>
<td>Cultural and Historical Basics II</td>
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</tr>
<tr>
<td></td>
<td>Structures and Structural Design II</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Building Construction II</td>
<td>12 CP</td>
</tr>
<tr>
<td></td>
<td>Urban and Landscape Planning Basics</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Building Technology I</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Digital Construction Processes + Methods</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Integrated project in City and Landscape</td>
<td>12 CP</td>
</tr>
<tr>
<td></td>
<td>Integrated Project in Architecture and Construction</td>
<td>12 CP</td>
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<tr>
<td>3</td>
<td>Cultural and Historical Basics III</td>
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<tr>
<td></td>
<td>Elective Bachelor</td>
<td>8 CP</td>
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<tr>
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<td>Building Technology II</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Scientific Skills</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Arts and Design II</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Elective Design Studio</td>
<td>6 CP</td>
</tr>
<tr>
<td>4</td>
<td>Cultural and Historical Basics IV</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Social, Economic and Legal Basics</td>
<td>6 CP</td>
</tr>
<tr>
<td></td>
<td>Bachelor Thesis</td>
<td>12 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.

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*Studiendekan der Fakultät für Architektur*
*Univ.-Prof. Dr. phil. Alexander Markschie*
Study plan Master of Science in Architecture

1. History and Theory
   - Lecture: 3 CP

2. Strategies of Design
   - Lecture: 3 CP

3. Building Law
   - Lecture: 3 CP

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

5. Impromptu Design
   - Impromptu design: 6 CP

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

7. Seminastic Supplement I
   - Design Studio M1
   - Project: 15 CP

8. Seminastic Supplement II
   - Design Studio M2 in Architecture
   - Project: 30 CP

9. Elective Architecture
   - Elective: 9 CP

10. Transit Architecture
    - Elective: 3 CP outside the faculty of architecture

11. Master Thesis MT in Architecture
    - Project/design studio/research paper/and master's thesis

* 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 WS22/23) 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.

Studiendekan der Fakultät für Architektur
Univ.-Prof. Dr. phil. Alexander Markschies

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

2. Neighbourhood Management
tutorial 3 CP
Urban and Regional Planning
tutorial 6 CP

3. Technical Infrastructures and Planning Law
tutorial 6 CP

4. Landscape Architecture and Ecology in City Planning
tutorial 6 CP

5. Improvisation Design
Improvisation design

6. Seminaristic Supplement I
Design Studio M1
project/design studio
15 CP

7. Seminaristic Supplement II
Design Studio M2 in Urbanism
project/design studio
15 CP

8. Seminaristic Supplement III
Design Studio M3 in Urbanism
project/design studio
15 CP

9. Transit Urbanism
Elective Urbanism
elective faculty 6 CP
elective faculty 6 CP
6 CP

10. Research Field in Architecture and Urbanism I*

11. Research Field in Architecture and Urbanism II*

12. Research Field in Architecture and Urbanism III*

13. Master Thesis M* in Urbanism
project/design studio/research paper
inclus. master seminar (also during the 3rd semester)
30 CP

* 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 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.

Studiendekan der Fakultät für Architektur
Univ.-Prof. Dr. phil. Alexander Marksches

RWTH AACHEN
Curriculum Framework for Master of Science in Transforming City Regions

According to RWTH's comprehensive examination regulation

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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 (ECTS) already attained at the home university by the time the Learning Agreement is prepared are decisive for the assessment:

< 120 CP  Bachelor courses can be chosen in either exchange semester

≥ 120 CP  Bachelor + Master courses can be chosen in either exchange semester
Study plan Bachelor of Science in Architecture

<table>
<thead>
<tr>
<th>Semester</th>
<th>Cultural and Historical Basics I</th>
<th>Structures and Structural Design I</th>
<th>Building Construction I + Building Materials Science</th>
<th>Arts and Design I</th>
<th>Design Basics</th>
<th>Design</th>
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<tbody>
<tr>
<td>1</td>
<td>lecture</td>
<td>lecture</td>
<td>lecture + tutorial</td>
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<td>12 CP</td>
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<th></th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>lecture</td>
<td>lecture</td>
<td>lecture + tutorial</td>
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<td>lecture + tutorial</td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Elective Bachelor</th>
<th>Building Technology II</th>
<th>Scientific Skills</th>
<th>Arts and Design II</th>
<th>Elective Design Studio</th>
<th>Bachelor Thesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>elective faculty/industry 3 CP</td>
<td>lecture + tutorial</td>
<td>lecture</td>
<td>lecture</td>
<td>lecture + tutorial</td>
<td>project/design studio</td>
</tr>
<tr>
<td></td>
<td>6 CP</td>
<td>6 CP</td>
<td>6 CP</td>
<td>6 CP</td>
<td>6 CP</td>
<td>12 CP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Cultural and Historical Basics IV</th>
<th>Social, Economic and Legal Basics</th>
<th>Bachelor Thesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>lecture</td>
<td>lecture</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 CP</td>
<td>6 CP</td>
<td>12 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.

<table>
<thead>
<tr>
<th></th>
<th>project/design studio</th>
<th>compulsory modules</th>
<th>elective compulsory modules</th>
<th>elective modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>RWTH AACHEN</td>
<td>Studiendekan der Fakultät für Architektur</td>
<td>Univ.-Prof. Dr. phil. Alexander Markschies</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Study plan Master of Science in Architecture

examination regulations 2019

commencement of studies in winter semester

1. History and Theory
   - lecture lectures
   - 3 CP

2. Strategies of Design
   - lecture lectures
   - 6 CP

3. Building Law
   - lecture lectures
   - 9 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
   - impromptu design
   - 6 CP

7. Design Studio M1
   - project/design studio
   - 15 CP

8. Seminaristic Supplement I
   - seminaristic supplement
   - 3 CP

9. Design Studio M2 in Architecture
   - project/design studio
   - 30 CP

10. Seminaristic Supplement II
    - seminaristic supplement
    - 3 CP

11. Seminaristic Supplement III
    - seminaristic supplement
    - 3 CP

12. Elective Architecture
    - elective 3 CP
    - 3 CP

13. Elective Architecture
    - elective 3 CP
    - 3 CP

14. Elective Architecture
    - elective 3 CP
    - 3 CP

15. Master Thesis MT in Architecture
    - project/design studio/research paper
    - 30 CP
    - included: master thesis (taken during the 3rd semester)

* Each Research Field can comprise either of 6 CP in one semester or of 3 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 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.
## Study plan Master of Science in Urban Planning

**examination regulations 2019**

### Commencement of studies in winter semester

<table>
<thead>
<tr>
<th>Semester</th>
<th>Modules</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Processes, Methods and Instruments of Urban Development&lt;br&gt;Neighbourhood Management&lt;br&gt;Technical Infrastructures and Planning Law&lt;br&gt;Landscape Architecture and Ecology in City Planning&lt;br&gt;Impromptu Design</td>
<td>3 CP</td>
</tr>
<tr>
<td></td>
<td>Seminaric Supplement I&lt;br&gt;Design Studio M1</td>
<td>15 CP</td>
</tr>
<tr>
<td>2</td>
<td>Urban and Regional Planning&lt;br&gt;Elective Urbanism&lt;br&gt;Research Field in Architecture and Urbanism I*</td>
<td>6 CP&lt;br&gt;3 CP&lt;br&gt;6 CP</td>
</tr>
<tr>
<td></td>
<td>Seminaric Supplement II&lt;br&gt;Design Studio M2 in Urbanism&lt;br&gt;Research Field in Architecture and Urbanism II*</td>
<td>15 CP&lt;br&gt;3 CP&lt;br&gt;6 CP</td>
</tr>
<tr>
<td></td>
<td>Seminaric Supplement III&lt;br&gt;Design Studio M3 in Urbanism</td>
<td>15 CP</td>
</tr>
<tr>
<td>3</td>
<td>Master Thesis MT in Urbanism</td>
<td>9 CP&lt;br&gt;15 CP&lt;br&gt;15 CP&lt;br&gt;30 CP</td>
</tr>
</tbody>
</table>
|          | * Each Research Field can comprise either of 3 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.
M.Sc. Construction & Robotics

According to examination regulation 2020

Innovation and Production Management 5 CP

Basics of other disciplines
Select 3 out of 4
- Computer Science Basics
- Mech. Engineering Basics
- Civil Engineering Basics
- Architecture Basics

18 CP

Design Driven Project (Bootcamp) 12 CP

Digital and soft skills for interdisciplinary project development 3 CP

Research Driven Project 12 CP

Digital and scientific skills for int. research for Research Driven Project 3 CP

Prototyping Project 12 CP

Digital and scientific skills for int. research for Prototyping Project 3 CP

Construction Robotics Lecture Series I 5 CP

Construction Robotics Lecture Series II 5 CP

Computer Science Basics
Mech. Engineering Basics
Civil Engineering Basics

Mech. Engineering
Civil Engineering
Computer Science
Architecture
Advanced courses

12 CP

3 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urban transformation</td>
<td>3 CP</td>
</tr>
<tr>
<td>Planning &amp; design for changing cities</td>
<td>3 CP</td>
</tr>
<tr>
<td>Evolving environments, transforming landscapes</td>
<td>3 CP</td>
</tr>
<tr>
<td>Impromptu courses / Field trip</td>
<td>2 CP + 1 PT</td>
</tr>
<tr>
<td>Theoretical and methodological seminar for the Integrated Project I</td>
<td>6 CP</td>
</tr>
<tr>
<td>Integrated Project I: Transforming urban structure</td>
<td>15 CP</td>
</tr>
<tr>
<td>Changing societies &amp; economies</td>
<td>3 CP</td>
</tr>
<tr>
<td>Territorial analysis, digital tools</td>
<td>3 CP</td>
</tr>
<tr>
<td>European urban policies &amp; territorial planning</td>
<td>3 CP</td>
</tr>
<tr>
<td>Research module in urban and regional transformation</td>
<td>6 CP</td>
</tr>
<tr>
<td>Theoretical and methodological seminar for the Integrated Project II</td>
<td>15 CP</td>
</tr>
<tr>
<td>Integrated Project II: Evolution of functional urban areas</td>
<td>15 CP</td>
</tr>
<tr>
<td>Multiple scales of urban planning and design</td>
<td>6 CP</td>
</tr>
<tr>
<td>Theoretical and methodological seminar for the Integrated Project III</td>
<td>15 CP</td>
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<tr>
<td>Integrated Project III: Networked urban systems in Europe</td>
<td>15 CP</td>
</tr>
<tr>
<td>Master Thesis**</td>
<td>3 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.
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