

## Admission requirements 2021

For the discipline of architecture, **92 CPs** have to be proven, which include comparable achievements in the following basic modules of the Bachelor's degree in architecture of RWTH Aachen University:

Area	Modul	CP
Cultural and Historical Basics	Cultural and Historical Basics I – IV	12
Arts and Design	Arts and Design I – II	12
Digital Construction Processes and Methods	Digital Construction Processes and Methods	6
Construct and design	Building Construction I and Building Materials Science	12
	Building Construction II	
	Building Technology I	8
	Building Technology II	
	Integrated Project in Architecture and Construction	10
Structures	Structures I - II	8
Building planning and design	Design	18
Design basics	Design basics	6

In addition, 6 CP must be proven in the field of "Digital Architecture". The learning objectives are software- and programming-based and are described in more detail below:

Visual programming:

- Modeling and editing graphical algorithms
- Basics of algorithmic problem solving.
- Introduction to visual programming using Grasshopper, Dynamo or similar.

Computer-aided designing:

- Understanding 3d modeling, technical illustration and 2d drawing.
- In particular
  - creating and editing polygon curves,
  - NURBS curves and surfaces,
  - subdivision and meshes,
  - solids,
  - point clouds and
  - meshes

- Basic techniques of visualization and animation

## Building Information Modelling

- Basic knowledge of object-oriented modeling of components with attributes, generation of subject-specific representations such as views, sections and floor plans of the information model, simple visualizations of the entire structure with rendering and animation

For the admission in connection with a condition § 3 exp. 6 ÜPO applies.

If requirements amounting to **more than 12 CP** are required, admission to the Master's program is **not possible**.

Additionally, admission to the Master's program is **not possible**, if the areas of "Digital Architecture", "Digital Construction Processes and Methods" and "Structures" would be required as editions.