

**FACULTY OF
CIVIL
ENGINEERING
AND
ARCHITECTURE**

- Please try to choose the courses from the same semester, in order to avoid timetable clashed.
- The majority of your subjects (around 3) should be from your main faculty with which your university has an agreement.
- Bachelor level students are only allowed to choose Master level subjects after receiving a permission from the professor of that subject.

Integrated courses (Architecture)

Autumn

Course code	Course title	ECTS Credits	Semester
H312B121	Introduction to Architecture	6	1
H312B124	Fundamentals of Architectural Design	12	1
P175B164	Computer-Aided Architectural Design 1	3	1
T150B216	Architectural Materials	3	1
H312B126	Space Modelling	3	3
T230B025	Building Physics	3	3
T230B222	Structures of Non-residential Buildings and Engineering	3	3
T240B139	Architecture of Public Buildings 1	12	3
T240B137	Typology of Architectural Spaces	3	3
H312B120	Sustainable Architecture	3	5
H314B112	Cultural Heritage	3	5
T230B213	Construction Planning and Project Management	6	5
T240B140	Architecture of Building Complexes	12	5
S240M011	Sociology of Spaces	6	9

Spring

Course code	Course title	ECTS Credits	Semester
H310B123	History of Architecture	6	2
H312B125	Residential Architecture	12	2
P175B159	Computer-aided Architectural Design 2	3	2
T230B120	Structures of Dwelling Houses	3	2
S110B103	Spatial Legislation	3	4
H313B103	Theory of Architecture	6	4
T220B136	Building Energy Performance Predictions and Design	6	4
T230B216	Building Information Modelling	3	4
T240B014	Architecture of Public Buildings 2	12	4

Bachelor courses (Civil Engineering)

Autumn

Course code	Course title	ECTS Credits	Semester
T230B025	Building Physics	3	3
P175B176	Programming Basics for Civil Engineers	6	5
S180B101	Construction Economics	3	5
T230B235	Reinforced Concrete and Masonry Structures 1	3	5
T230B224	Foundation Structures	3	5
T230B225	Engineering and Special Purpose Buildings	6	5
T230B170	Technology of Special Construction and Engineering	6	5
T230B227	Environmental Protection in Construction	3	7
T230B226	Organisation of Occupational Safety and Health	3	7
T230B136	Reconstruction and Repair Technologies of Buildings	6	7
T230B213	Construction Planning and Project Management	6	7

Spring

Course code	Course title	ECTS Credits	Semester
P515B101	Engineering Geodesy and Training Practice	6	4
T220B612	Building Services Systems	6	4
T230B502	Structural Mechanics 1	6	4
T230B216	Building Information Modelling	3	6
T230B159	Metal and Timber Structures 1	3	6
T230B232	Monolithic and Masonry Construction Technologies	6	6
T230B233	Information Modelling of Building Construction	6	6

Master courses (Civil Engineering)

Autumn

Course code	Course title	ECTS Credits	Semester
T230M629	Construction Contracts	6	1
T230M001	Construction Project Management	6	1
T230M171	Digitization of Construction Processes	6	1
T230M151	Geoinformation Technologies in Construction	6	1
T230M147	Advanced Reinforced Concrete Structures	6	1
T230M180	Finite Element Method for Structural Analysis	6	1
T230M425	Research Methods of Building Products and Structures	6	1
T230M176	Building Energy Demand Modelling	6	1
T230M175	Energy Production and Supply	6	1
T220M109	Indoor Environmental Assessment and Design	6	1
T230M174	Sustainable Buildings and Cities	6	1

Spring

Course code	Course title	ECTS Credits	Semester
T230M173	Construction Logistics and Management	6	2
T230M135	Durability and Life Cycle of the Structure	6	2
T230M010	Quality Management in Construction	6	2
T230M181	Composite and Wooden Structures	6	2
T230M134	Research of Reliability and Strengthening of Building Structures	6	2
T230M178	Facilities Operation and Maintenance	6	2
T230M179	Intelligent Heating, Ventilation and Air Conditioning Systems	6	2
T230M177	Sustainable Water Management	6	2
T230M222	Waste Management and Recycling Technology	6	2