

Building Technology

Basic information of the minor

Code: ENG3066

Extent: 25 cr

Language: English

Teacher in charge: Simo Hostikka

Target Group: Students from other Master's Programmes at Aalto

Application procedure: No

Quotas and restrictions: No

Prerequisites: Student must take into account any course prerequisites.

Content and structure of the minor

The Building Technology Minor offers students good overall knowledge within the field of civil and structural engineering. The programme involves education in structural engineering, building physics, construction management and building materials.

Upon completion of the Minor in Building Technology, the student will comprehend the fundamental physical phenomena in structural and thermal performance of buildings, and use the engineering methods for their assessment. He or she can also describe and use the management methods for construction processes.

Further information is available from Professor Simo Hostikka (simo.hostikka@aalto.fi).

Structure of the minor

The student should choose five courses (25 cr) from the following list.

| Code | Name | Credits | Period |
|---------------------------|----------------------------------------|---------|--------|
| CIV-E1010 | Building materials technology | 5 | I |
| CIV-E1020 | Mechanics of Beam and Frame Structures | 5 | I |
| CIV-E1030 | Fundamentals of Structural Design | 5 | II |
| CIV-E1040 | Construction Management | 5 | II |
| CIV-E1050 | Heat and Mass Transfer in Buildings | 5 | I |
| CIV-E1060 | Engineering Computation and Simulation | 5 | II |
