

Curriculum at LAB University of Applied Sciences 2020-2021

Bachelor of Engineering, Construction Engineering, Double Degree, Lappeenranta

Code	Name	ECTS total
DDCIV20	Bachelor of Engineering, Construction Engineering, Double Degree, Lappeenranta	50
DDCIV20-1001 BASIC STUDIES		0
DDCIV20-1002 PROFESSIONAL STUDIES		35
KTE2350	Cultural Studies for Construction	5
KTE2351	Building Engineering and Renovation	5
KTE2266	Structural Engineering	5
KTE2352	Building Physics and Energy Efficiency	5
KTE2268	BIM in Building Processes	5
KTE2353	Project Work	5
AT00CC79	International Project Management	5
DDCIV20-1005 ADVANCED PROFESSIONAL STUDIES		0
DDCIV20-1006 ELECTIVE STUDIES		0
DDCIV20-1007 PLACEMENT		0
DDCIV20-1008 THESIS		15
KTE2384	Thesis Implementation and Report	10
KTE2383	Thesis Seminars	2
KTE2382	Thesis Process	3

DDCIV20 Bachelor of Engineering, Construction Engineering, Double Degree, Lappeenranta: 50 ECTS

DDCIV20-1001 BASIC STUDIES: 0 ECTS

DDCIV20-1002 PROFESSIONAL STUDIES: 35 ECTS

KTE2350 Cultural Studies for Construction: 5 ECTS

Learning outcomes

- The student is able to understand and use civil and construction engineering English in international building projects. The student is able to give presentations and write reports in English.
- The student is able to understand Finnish culture and use the basics of Finnish language.

KTE2351 Building Engineering and Renovation: 5 ECTS

Learning outcomes

Contents Building engineering and renovation projects in general
Typical structure parts (wall, floors etc.) and frames
Compulsory parts on buildings (windows, doors, etc.)
Typical buildings in Finland from the 1800`s to now.
Fire legislation in Finland
Moisture insulations
BIM in renovations
renovation examinations and field testing
Indoor climate fixings

KTE2266 Structural Engineering: 5 ECTS

Learning outcomes

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KTE2352 Building Physics and Energy Efficiency: 5 ECTS

Learning outcomes

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KTE2268 BIM in Building Processes: 5 ECTS

Learning outcomes

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KTE2353 Project Work: 5 ECTS

Learning outcomes

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AT00CC79 International Project Management: 5 ECTS

Learning outcomes

A student will be able

to use practical tools and techniques to plan, deliver and monitor a project
to demonstrate commitment to quality, timeliness, and continuous improvement
to function effectively as a member or a leader in international construction teams
to demonstrate commitment to quality, timeliness, and continuous improvement
to apply key principles of green project management in construction field

DDCIV20-1005 ADVANCED PROFESSIONAL STUDIES: 0 ECTS

DDCIV20-1006 ELECTIVE STUDIES: 0 ECTS

DDCIV20-1007 PLACEMENT: 0 ECTS

DDCIV20-1008 THESIS: 15 ECTS

KTE2384 Thesis Implementation and Report: 10 ECTS

Learning outcomes

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KTE2383 Thesis Seminars: 2 ECTS

Learning outcomes

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KTE2382 Thesis Process: 3 ECTS

Learning outcomes

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