

**Curriculum at LAB University of Applied Sciences  
2019-2020**

**Bachelor of Engineering, Construction Engineering, Double Degree, Lappeenranta**

Code	Name	ECTS total
DDCIV19	Bachelor of Engineering, Construction Engineering, Double Degree, Lappeenranta	50
<b>DDCIV19-1001 BASIC STUDIES</b>		<b>0</b>
<b>DDCIV19-1002 PROFESSIONAL STUDIES</b>		<b>35</b>
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
KTE2375	Construction Management	5
KTE2353	Project Work	5
<b>DDCIV19-1006 ADVANCED PROFESSIONAL STUDIES</b>		<b>0</b>
<b>DDCIV19-1003 ELECTIVE STUDIES</b>		<b>0</b>
<b>DDCIV19-1004 PLACEMENT</b>		<b>0</b>
<b>DDCIV19-1005 THESIS</b>		<b>15</b>
OTTEKU	Bachelor's Thesis	15

**DDCIV19 Bachelor of Engineering, Construction Engineering, Double Degree, Lappeenranta: 50 ECTS**

**DDCIV19-1001 BASIC STUDIES: 0 ECTS**

**DDCIV19-1002 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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## **KTE2375 Construction Management: 5 ECTS**

### **Learning outcomes**

The student understands the life cycle of different construction projects, knows parties and roles in a project, recognizes phases of a building project and understands about tasks, task planning, timetables, basic cost structures and working safety.

## **KTE2353 Project Work: 5 ECTS**

### **Learning outcomes**

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## **DDCIV19-1006 ADVANCED PROFESSIONAL STUDIES: 0 ECTS**

## **DDCIV19-1003 ELECTIVE STUDIES: 0 ECTS**

## **DDCIV19-1004 PLACEMENT: 0 ECTS**

## **DDCIV19-1005 THESIS: 15 ECTS**

## **OTTEKU Bachelor's Thesis: 15 ECTS**

**Learning outcomes**

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