

Modules offered for BECOP17A3 in academic year 2018-2019

Module 1 - Residential Building and Civil Engineering	15 cr
Strength of Materials	4 cr
Project Cost Calculation	2 cr
Designing of Earthworks	3 cr
Quarring and Blasting	2 cr
Mathematics 3, Differential and Integral Calculus	3 cr
Module 2 - Energy in Construction Technology	14 cr
Renewable Energy	4 cr
Energy Economics and Consumption	3 cr
Energy Audit in Practice	2 cr
Zero Energy Buildings	3 cr
Finnish 5	2 cr
Module 3 - Basics of Structural Dimensioning	17 cr
Structural Framework and BIM	4 cr
Load-Bearing Structures of a Family House	5 cr
Designing of Concrete Structures	4 cr
Concretework	3 cr
Ruotsi 1 (for Finnish students)	2 cr
Module 4 -Commercial and Industrial Buildings	18 cr
Industrial Structures	2 cr
HVAC and Energy Engineering	1 cr
Manufacturing and Executing Steel Structures	3 cr
BIM in Business Premises	3 cr
Building Regulations	3 cr
Mathematics and Basics in Statistics	1 cr
<i>Finnish 6 (optional)</i>	<i>2 cr</i>
<i>Ruotsi 2 (For Finnish students)</i>	<i>3 cr</i>
<i>Communication studies (for Finnish students)</i>	<i>3 cr</i>