

Construction Engineering - MODULE MAP 2024-2025

GROUP	PERIOD 1	PERIOD 2	PERIOD 3	PERIOD 4
BECOP24A3	<p>Core competence Orientation to Engineering Studies Orientation to Construction Studies CO00EN40-3002 Basics of Construction Industry CO00EN39-3002 Introduction to Technical Physics BE00DL06-3010 Geometry and Linear Algebra KM00CV13-3059 Finnish 1 KM00EI34-3009</p>	<p>Core competence Building Technology Construction Materials CO00DN06-3004 Timber Construction CO00EN42-3002 Basics of Technical Drawings CO00EN41-3002 Building Chemistry CO00EN43-3002 Algebra KM00CV11-3071 Finnish 2 KM00EI35-3008</p>	<p>Core competence Planning of Building Project Basics of Building Information Modelling (BIM) CO00DN13-3004 Basics of Geotechnics CO00EN44-3002 Statics 1 RM00EL03-3004 Sustainable Development.Now VV00EH16-3015 Differential Calculus KM00CV61-3054 Finnish 3 KM00EI36-3011</p>	<p>Core competence Sustainable and Healthy Buildings Energy Efficiency and Renewable Energy CO00EN46-3002 Sustainability and Housing Health CO00DN10-3004 Basics of Building Physics CO00EN45-3002 Statics 2 RM00EL09-3004 Integral Calculus KM00CV62-3055 Finnish 4 KM00EI37-3011</p>
BECOP23A3	<p>Core competence Fundamentals of Structural Design Conceptual Design of the Structures CO00DM69-3004 Concrete Materials Technology CO00EN48-3001 Foundation Engineering CO00DM75-3004 Surveying Techniques in Construction Site CO00EN47-3001 Strength of Materials 1 RM00EL14-3005 Technical English 1 KM00DE59-3008</p>	<p>Core competence Structural Systems in Buildings Load-Bearing Frames of Buildings CO00DN09-3003 Concrete Works CO00EN49-3001 Basics of Project Management CO00EN50-3001 Strength of Materials 2 RA00EL40-3003 Technical English 2 KM00DE60-3006</p>	<p>Profiling Competence Apartment Buildings Concrete Structure Design RA00EL41-3003 Building Services Systems (HVAC) CO00DM79-3004 Construction Management and Economics CO00DM77-3004 Construction Site Safety RM00EL12-3004 Material Durability RM00EL30-3003 Structural Analysis RA00EN51-3001</p>	<p>Profiling Competence Concrete Structures Concrete Construction RA00EL43-3002 Advanced Concrete Structures Design RA00EL44-3002 Advanced Building Physics RA00EL46-3002 Basic of Building Information Modeling RA00EL45-3002 Academic Writing and Professional Communication CO00EN52-3001</p>
BECOP22A3	<p>Profiling Competence Steel Structures Basics of Structural Steel Design CO00DM85-3003 Manufacturing of Steel Structures CO00DM87-3003 Advanced Building Information Modeling (BIM) CO00DM88-3003 Industrial and Commercial Buildings CO00DM86-3003</p>	<p>Profiling Competence Design of Concrete Structures Advanced Concrete Structures Design CO00DM90-3003 Precast Concrete Structures CO00DM89-3003 Prestressed Concrete and Steel-Concrete Composite Structures CO00DM92-3003 Design of Foundation Structures CO00DM91-3003</p>	<p>Profiling Competence Design of Steel Structures Advanced Steel Structures Design CO00DM93-3003 Cold-Formed Steel Structures CO00DM94-3003 Finite Element Method CO00DM96-3003 Structural Fire Design CO00DM95-3003</p>	<p>Profiling Competence Sustainable Construction Circular Economy and Sustainable Material CO00FA05-3001 Life Cycle of Buildings CO00FA04-3001</p>
	<p>Profiling competence Optional studies 15 cp</p>			
	<p>Thesis 15 cp</p>			