

**CONSTRUCTION ENGINEERING- MODULE MAP 2025-2026**

GROUP	PERIOD 1	PERIOD 2	PERIOD 3	PERIOD 4
<b>BECOP25A3</b>	<p>Core Competence  <b>Introduction to Construction Engineering</b>                      Orientation to Construction Studies RM00FO13-3005                      Introduction to Construction RM00FO14-3005                      Introduction to Technical Physics CO00FP29-3001                      Algebra KM00CV11-3091                      Finnish 1 KM00FM66-3003</p>	<p>Core Competence  <b>Basics of Construction</b>                      Finnish House CO00FP30-3001                      Building Materials RM00FO19-3005                      Computer Skills RM00FO15-3005                      Geotechnics 1 RM00FO22-3005                      Geometry and Linear Algebra KM00CV13-3076                      Finnish 2 KM00FM67-3003</p>	<p>Core Competence  <b>Responsible Construction</b>                      Construction Site Safety RM00FO27-3003                      Building Physics 1 RM00FO28-3003                      Basics of CAD RM00FO23-3005                      Statics 1 RM00FO29-3003                      Differential Calculus KM00CV61-3066                      Finnish 3 KM00FM68-3003</p>	<p>Core Competence  <b>Construction Engineering</b>                      Concrete Construction 1 RM00FO37-3001                      Geotechnics 2 RA00FO73-3002                      Statics 2 RM00FO35-3003                      Integral Calculus KM00CV62-3067                      Finnish 4 KM00FM69-3003</p>
<b>BECOP24A3</b>	<p>Core Competence  <b>Fundamentals of Structural Design</b>                      Conceptual Design of the Structures CO00DM69-3005                      Foundation Engineering CO00DM75-3005                      Surveying Techniques in Construction Site CO00EN47-3002                      Basics of Concrete Construction RM00EL07-3018                      Strength of Materials 1 RM00EL14-3014                      Technical English 1 KM00DE59-3009</p>	<p>Core Competence  <b>Structural Systems in Buildings</b>                      Load-Bearing Frames of Buildings CO00EN49-3002                      Concrete Technology RM00EL17-3014                      Basics of Concrete Structures RA00EL39-3008                      Basics of Project Management CO00DN09-3004                      Strength of Materials 2 RA00EL40-3008                      Technical English 2 KM00DE60-3007                      (Unlock Career Planning)</p>	<p>Profiling Competence  <b>Apartment Buildings</b>                      Concrete Structure Design RA00EL41-3008                      Building Services Systems (HVAC) CO00DM79-3005                      Durability of Materials RM00EL30-3011                      Construction Management and Economics CO00DM77-3005                      Construction Site Safety RM00EL12-3013                      Structural Analysis RA00EN51-3005</p>	<p>Profiling Competence  <b>Concrete Structures</b>                      Advanced Building Physics RA00EL46-3007                      Basic of Building Information Modeling RA00EL45-3007                      Concrete Construction RA00EL43-3007                      Advanced Concrete Structures Design RA00EL44-3007                      Academic Writing and Professional Communication CO00EN52-3002</p>
<b>BECOP23A3</b>	<p>Profiling Competence  <b>Steel Structures</b>                      Design of Steel Structures RA00EL60-3007                      Industrial and Commercial Buildings CO00DM86-3004                      Steel Construction RM00EL31-3009                      Advanced Mechanics RA00EL51-3007</p>	<p>Profiling Competence  <b>Design of Steel Structures</b>                      Advanced Steel Structures Design RA00EL68-3007                      Advanced Building Information Modeling RA00EL54-3007                      Cold-Formed Steel Structures CO00DM94-3004                      Precast Concrete Structures RA00EN53-3003                      (Unlock Career Planning)</p>	<p>Profiling Competence  <b>Structural Design</b>                      Prestressed Concrete and Steel-Concrete Composite Structures CO00DM92-3004                      Construction Schedules and Costs RA00EL56-3006                      Design of Timber Structures RA00EL57-3006                      Finite Element Method RA00EL62-3006</p>	<p>Profiling Competence  <b>Advanced Studies in Structural Engineering</b>                      Structural Fire Design CO00DM95-3005                      Advanced Design of Timber Structures RA00EL70-3006                      Lifecycle Thinking in Building Technology CO00EN54-3001                      Design of Foundation Structures RA00EN55-3002</p>
	Profiling competence <b>Optional studies 15 op</b>			
<b>BECOP22A3</b>	<b>Thesis 15 op</b>			