

CONSTRUCTION ENGINEERING- MODULE MAP 2025-2026

GROUP	PERIOD 1	PERIOD 2	PERIOD 3	PERIOD 4
BECOP25A3	Core Competence <b>Introduction to Construction Engineering</b> Orientation to Construction Studies RM00FO13-3005 Introduction to Building Technology RM00FO14-3005 Orientation to Technical Physics CO00FP29-3001 Algebra KM00CV11-3091 Finnish 1 KM00FM66-3003	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	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	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
BECOP24A3	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	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)	Profiling Competence <b>Apartment Buildings</b> Concrete Construction RA00EL43-3007 Concrete Structure Design RA00EL41-3008 Durability of Materials RM00EL30-3011 Construction Management and Economics CO00DM77-3005 Construction Site Safety RM00EL12-3013 Structural Analysis RA00EN51-3005	Profiling Competence <b>Concrete Structures</b> Advanced Building Physics RA00EL46-3007 Basic of Building Information Modeling RA00EL45-3007 Building Services Systems (HVAC) CO00DM79-3005 Advanced Concrete Structures Design RA00EL44-3007 Academic Writing and Professional Communication CO00EN52-3002
BECOP23A3	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	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)	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	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
	Profiling competence <b>Optional studies 15 op</b>			
BECOP22A3	Thesis 15 op			