

Construction Engineering - MODULE MAP 2026-2027

| GROUP | PERIOD 1 | PERIOD 2 | PERIOD 3 | PERIOD 4 |
|------------------|--|--|---|--|
| BECOP26A3 | <p>Core competence Introduction to Construction Engineering, 15 cr Orientation to Construction Studies, 3 cr, RM00FO13-3009 Introduction to Building Technology, 4 cr, RM00FO14-3009 Orientation to Technical Physics, 2 cr, CO00FP29-3002 Functions and Equations, 3 cr, KM00GA83-3004 Finnish 1, 3 cr, KM00FM66-3007</p> | <p>Core competence Basics of Construction, 15 cr Finnish House, 4 cr, CO00FP30-3002 Building Materials, 2 cr, RM00FO19-3009 Computer Skills, 2 cr, RM00FO15-3009 Geotechnics 1, 2 cr, RM00FO22-3010 Geometry and Vectors, 3 cr, KM00GA84-3004 Finnish 2, 2 cr, KM00FM67-3007</p> | <p>Core competence Responsible Construction, 15 cr Construction Site Safety, 3 cr, RM00FO27-3008 Building Physics 1, 3 cr, RM00FO28-3008 Basics of CAD, 3 cr, RM00FO23-3009 Statics 1, 2 cr, RM00FO29-3008 Derivative, 2 cr, KM00GA85-3002 Finnish 3, 2 cr, KM00FM68-3007</p> | <p>Core competence Construction Engineering, 15 cr Concrete Construction 1, 3 cr, RM00FO37-3006 Geotechnics 2, 4 cr, RA00FO73-3005 Statics 2, 3 cr, RM00FO35-3008 Integral, 2 cr, KM00GA86-3002 Finnish 4, 3 cr, KM00FM69-3007</p> |
| BECOP25A3 | <p>Core competence Basics of Structures, 15 cr Cost Management 1, 3 cr, RM00FO31-3005 Structural Design 1, 3 cr, RM00FO38-3005 Structures of an Apartment Building, 3 cr, RA00FO74-3003 Building Information Modeling 1, 2 cr, RA00FO72-3003 Strength of Materials 1, 2 cr, RA00FS88-3003 Technical English 1, 2 cr, KM00FM64-3003</p> | <p>Core competence Sustainable Construction, 15 cr Long-term Durability of Materials, 2 cr, RM00FO62-3003 Concrete Technology, 3 cr, RM00FO54-3004 Technical Chemistry, 2 cr, RM00FO42-3005 Strength of Materials 2, 3 cr, RA00FO75-3003 Sustainable Development.Now, 2 cr, VV00EH16-3035 Technical English 2, 3 cr, KM00FM65-3002</p> | <p>Profiling competence Timber Structures, 15 cr Design of Timber Structures 1, 3 cr, RA00FO77-3002 Timber Construction 1, 3 cr, RM00FO56-3003 Building Services Systems (HVAC), 2 cr, RM00FO64-3003 Structural Analysis, 4 cr, RA00FO78-3002 Building Information Modeling 2, 3 cr, RA00FO79-3002</p> | <p>Profiling competence Concrete Structures, 15 cr Design of Concrete Structures 1, 3 cr, RA00FO80-3002 Surveying Engineering 1, 3 cr, RM00FO34-3005 Concrete Construction 2, 2 cr, RA00FO81-3002 Building Physics 2, 2 cr, RA00FO82-3002 Innovation Project, 5 cr, VV00GB64-3010</p> |
| BECOP24A3 | <p>Profiling competence Steel Structures, 15 cr Design of Steel Structures, 5 cr, RA00EL60-3010 Industrial and Commercial Buildings, 3 cr, CO00DM86-3005 Steel Construction, 3 cr, RM00EL31-3014 Advanced Mechanics, 4 cr, RA00EL51-3010</p> | <p>Profiling competence Design of Steel Structures, 15 cr Advanced Steel Structures Design, 5 cr, RA00EL68-3010 Advanced Building Information Modeling, 3 cr, RA00EL54-3010 Cold-Formed Steel Structures, 3 cr, CO00DM94-3005 Precast Concrete Structures, 4 cr, RA00EN53-3006</p> | <p>Profiling competence Structural Design, 15 cr Prestressed Concrete and Steel-Concrete Composite Structures, 3 cr, CO00DM92-3005 Construction Schedules and Costs, 3 cr, RA00EL56-3008 Design of Timber Structures, 4 cr, RA00EL57-3008 Design of Foundation Structures, 5 cr, RA00EN55-3004</p> | <p>Profiling competence Advanced Studies in Structural Engineering, 16 cr Structural Fire Design, 3 cr, CO00DM95-3006 Advanced Design of Timber Structures, 3 cr, RA00EL70-3008 Finite Element Method, 5 cr, RA00EL62-3008 Innovation Project, 5 cr, VV00GB64-3010</p> |
| | Profiling competence Optional studies 15 op | | | |
| | Thesis 15 op | | | |