

**MECHANICAL ENGINEERING AND PRODUCTION TECHNOLOGY - MODULE MAP 2026-2027**

GROUP	PERIOD 1	PERIOD 2	PERIOD 3	PERIOD 4
<b>BEMPP26A6</b>	<p>Core competence  <b>Introduction to Engineering Studies</b>                      Professional Growth 3cr BE00FK12-3002                      Introduction to Technical Physics 3cr BE00GB12-3001                      Basics of Mechanical Drawing 3cr BE00DL07-3006                      Geometry and Vectors 3cr KM00GA84-3009                      Finnish 1 3cr KM00FM66-3008</p>	<p>Core competence  <b>Mechanics</b>                      Statics 4cr BE00DK26-3006                      Mechanics Workshops 2cr BE00DK30-3006                      Hydraulics 2cr BE00EB47-3004                      Functions and Equations 3cr KM00GA83-3009                      Basics of Programming 2cr BE00GB10-3001                      Finnish 2 2cr KM00FM67-3008</p>	<p>Core competence  <b>Manufacturing</b>                      Basics of Strength Theory 3cr BE00DK57-3006                      Material Engineering 4cr BE00DK58-3006                      Derivative 2cr KM00GA85-3005                      Manufacturing Methods 4cr BE00DK59-3006                      Finnish 3 2cr KM00FM68-3008</p>	<p>Core competence  <b>Multidisciplinary Skills</b>                      Innovation Project 5cr VV00GB64-3010                      Machine Elements 1 3cr BE00GB13-3001                      Integral 2cr KM00GA86-3005                      Basics of Computer Aided Design 2cr BE00GB11-3001                      Finnish 4 3cr KM00FM69-3008</p>
<b>BEMPP25A6</b>	<p>Core competence  <b>Machine Design</b>                      Strength Theory in Design 3cr BE00DK63-3005                      Machining 4cr BE00FK13-3001                      Dynamics 3cr BE00DK66-3006                      Machine Elements 1 3cr BE00EB48-3003                      Technical English 1 2cr KM00FM64-3004</p>	<p>Core competence  <b>Machine Elements</b>                      Machine Elements 2 3cr BE00EB50-3003                      Tolerances and Fits 3cr BE00DK68-3005                      Electrical Engineering 3cr BE00DK70-3005                      Basics of Programming 3cr BE00EB49-3003                      Machine Design Project 3cr BE00EB51-3003</p>	<p>Core competence  <b>Sheet Metal Structures</b>                      Design of Sheet Metal Products 6cr BE00DK74-3005                      Sheet Metal Work 3cr BE00DK75-3005                      Coatings 3cr BE00DM43-3006                      Technical English 2 3 cr KM00FM65-3003</p>	<p>Core competence  <b>Product Development</b>                      Control Systems 3cr BE00DK76-3006                      Product Design 9cr BE00FK14-3001                      Entrepreneurship 3cr BE00DK80-3006</p>
<b>BEMPP24A6</b>	<p>Profiling competence  <b>Structural Analysis</b>                      Finite Element Methods 6cr BE00DK83-3004                      Measuring Strength of Materials 3cr BE00DK84-3004                      Structural Optimization 3cr BE00DK85-3004                      Numerical Methods 3cr BE00DK86-3004</p>	<p>Profiling competence  <b>Manufacturing Automation</b>                      NC Programming 6cr BE00DK87-3004                      Robotics 6cr BE00DK88-3004                      New Manufacturing Methods 3cr BE00DK89-3004</p>	<p>Profiling competence  <b>Robotics</b>                      Collaborative Robotics 3cr BE00DL02-3005                      Robot Programming 3cr BE00DL05-3004                      Robot Kinematics 3cr BE00DL00-3005                      Factory Simulation 3cr BE00DL01-3004                      Robotics Project 3cr BE00DL03-3004</p>	<p>Profiling competence  <b>Design of Industrial Appliances</b>                      Product Data Management 3cr BE00DK90-3004                      Project Management 3cr BE00DK91-3004                      Design Project 9cr BE00DK94-3004</p>
<b>BEMPP24A6</b>	<p><b>Work Placement 30cr</b> NOTE! You can undertake Work Placement at any time of your studies</p>			
<b>BEMPP24A6</b>	<p>Profiling competence  <b>Optional Studies 15cr</b></p>			
<b>BEMPP23A6</b>	<p><b>Thesis 15cr</b></p>			