

**Saimaa UAS– Degree Programme in Mechanical Engineering and Production Technology,  
Bachelor of Engineering 240 ECTS, year 2016**

*Basics of Mechanical Engineering, Competence in Design, Competence in Manufacturing, Competence in Machine Safety, Competence in Company Finances and Business*

**4. year**

***APPLYING MECHANICAL ENGINEERING***

Thesis 15 ECTS  
Placement done 30 ECTS

Complementary Studies 11 ECTS  
Elective Studies 8 ECTS

**3. year**

***ACTING GLOBALLY***

Studies in partner universities outside of Finland. Possibility to get a Double Degree.

Professional Studies 50 ECTS

Communication and Languages 10 ECTS

**2. year**

***MASTERING THE BASIC SKILLS OF MECHANICAL ENGINEERING***

Manufacturing 15 ECTS  
Mechanical Engineering 22 ECTS  
Design 15 ECTS

Mathematics and Physics 6 ECTS  
Communication and Languages 6 ECTS

**1. year**

***GETTING ACQUAINTED WITH TECHNOLOGY***

Orientation into Technics 10 ECTS  
Introduction into Engineering 15 ECTS  
Basics of Mechanical Engineering ECTS

Mathematics and Physics 12 ECTS  
Communication and Languages 6 ECTS

# Degree Programme in Mechanical Engineering and Production Technology

<p><b>4. Year</b> <b>APPLYING MECHANICAL ENGINEERING</b></p>	<p>To be able to</p> <ul style="list-style-type: none"><li>- solve problems in a creative way</li><li>- design equipment and structures that are safe and easy to use</li><li>- Take into consideration the product's whole product life cycle in design work</li></ul>
<p><b>3. Year</b> <b>ACTING GLOBALLY</b></p>	<p>To be able to</p> <ul style="list-style-type: none"><li>- communicate, work and negotiate with people having a different cultural and linguistic background</li><li>- deepen knowledge in the field of mechanical engineering</li></ul>
<p><b>2. Year</b> <b>MASTERING THE BASIC SKILLS OF MECHANICAL ENGINEERING</b></p>	<p>To be able to</p> <ul style="list-style-type: none"><li>- design, develop and manufacture products and equipment</li><li>- design and dimension machine elements</li><li>- develop modern automation, control and information systems</li><li>- work as a team member in an international organization</li></ul>
<p><b>1. Year</b> <b>GETTING ACQUAINTED WITH TECHNOLOGY</b></p>	<p>To be able to</p> <ul style="list-style-type: none"><li>- recognize the most common materials and manufacturing methods</li><li>- understand and create technical drawings</li><li>- apply mathematical and physical skills in solving technical problems</li><li>- understand the meaning and significance of communication</li></ul>