

# INDUSTRIAL MANAGEMENT

Bachelor of Engineering (UAS)

240 cr / 4 years



Mechanical Components and Software Manufacturing | ICT Services | Design and Planning of Processes | Knowledge and Quality Management | Sales and Customer Relationships | Business Management | Ethical Competence | Innovation Competence | Internationalisation Competence | Learning Skills | Work Community Competence

## 4<sup>th</sup> year SPECIALISATION

Practical Training	15 cr	Thesis	15 cr
Complementary Studies	15 cr	Practical Training	15 cr

## 3<sup>rd</sup> year SOLUTION DEVELOPMENT

Career Planning and Development 3	1 cr	Customer Requirements Defining Project	8 cr
Digital Solutions and Service Design	5 cr	Production Process Design Project	8 cr
Production Management	5 cr	Business Process Management	5 cr
International Sales	3 cr	Career Planning and Development 4	1 cr
Investment Accounting	3 cr	Research Methods	3 cr
Lean Green Belt	5 cr	Production Planning and Control	4 cr
Project Management	3 cr	Digital Transformation	2 cr
Risk Management and Contract Technology	4 cr		

## 2<sup>nd</sup> year KNOWLEDGE-BASED MANAGEMENT

Teamwork	2 cr	Data Collection on Production and Products	5 cr
Value and Supply Chain Management	5 cr	Methods for Analysing Numerical Data	5 cr
Career Planning and Development 2	1 cr	Knowledge-based Decision-making	5 cr
Information Systems and Big Data	4 cr	Project Work	6 cr
Basics of Sales, Marketing and Bidding	3 cr	Intercultural Management	3 cr
Cost and Profitability Calculation	4 cr	Project Documentation	2 cr
Basics of Quality Systems	4 cr	Requirements Engineering	2 cr
Finnish Language/ Business Communication	5 cr	Entrepreneurship and Design Thinking	2 cr
Advanced Statistical Mathematics	3 cr		

## 1<sup>st</sup> year FOUNDATION

Career Planning and Development 1	2 cr	Manufacturing	5 cr
Basics of Algebra and Statistical Mathematics	5 cr	Project Work in Production	5 cr
Academic English	3 cr	Project Work in Software	5 cr
Materials Engineering	3 cr	Finnish Language / 3. language	5 cr
Basics of Software Engineering	5 cr	Working in Finland / Svenska för arbetslivet	5 cr
Finnish Language / 3. language	5 cr	Value Creation in Production Process	5 cr
Basics of Marketing	3 cr		
Intercultural Communication	2 cr		
Sales Coaching	2 cr		