



Program: Industrial Economics and Production Management, 180 credits

Program Manager: Tomas.Wigerfelt@ju.se

Industry, especially within the commodity producing sector, has a large demand of engineers that have knowledge about production development **processes**, i.e. product development, production, and supply of material and logistics. The educational program is aimed at providing the students with knowledge about how technology and economy affect each other in the value chain. Furthermore, the students get to develop their skills necessary to manage production processes and in particular, where knowledge in production, logistics, quality, production planning and production economy is necessary.

Before the industrial placement course during semester 5, the students will have taken the following courses:

Introductory engineering

- Product development methods
- Industrial productions economics
- Project management
- Group dynamics
- Technical reporting

- Single variable calculus
- Statistics
- Linear algebra

Mechanical engineering

- Introduction to engineering design
- Mechanics 1
- Solid mechanics
- Engineering materials

Industrial engineering

- Work organization and work environment
- Production engineering methods
- Logistics
- Material and production control
- Quality engineering methods
- Quality and operations management
- Manufacturing processes

Mathematics