

Aufbau Studium Industrial Engineering B.Sc.

Semester 1	Introductory Mathematics (8/8)	Statics and Strength of Materials (5/4)	Chemistry of Materials (5/4)	Fundamentals of Economics and Business (5/4)	Programming (5/4)	Introduction to IE (3/3)	Year 1 Fundamentals
Semester 2	Applied Mathematics (7/8)	External Accounting (5/4)	Physics (5/4)	Manufacturing Technology (5/4)	Cross Cultural Management (5/4)	Engineering Drawing and Design (5/4)	
Semester 3	Dynamics (5/4)	Internal Accounting (5/4)	Fundamentals of Electrical Engineering (5/4)	Materials and Testing (5/4)	Quality and Project Management (5/4)	Production and Logistics (5/4)	Year 2 Specific basics
Übergang: erstes Jahr - 10CP							
Semester 4	Focus Field Subject 1 (5/x)	Focus Field Subject 2 (5/x)	Numerical Mathematics (5/4)	General Management (5/4)	Marketing and Sales (5/4)	System Theory and Controls (5/4)	Year 3/4 Profile development
Übergang: erstes Jahr komplett							
Semester 5	Focus Field Subject 3 (5/x)	Focus Field Subject 4 (5/x)	Fundamentals of Law, Investment and Financing (5/4)	Thermodynamics (5/4)	Engineering Design (5/4)	Interdisziplinäre Group Project (5/1)	
Semester 6	Internship Semester / Semester abroad (30/-)						
Semester 7	Elective (5/x)	Technology- and Innovation- Management (5/3)	Entrepreneurship Block (2/2)	Colloq. (3/-)	Bachelor Thesis (12/-)		

	Focus Field Supply Chain Management	Focus Field Information Engineering	Focus Field Process Engineering
Subject 1	Global Economy and Trade	Controlling and Information Engineering	Fundamentals of Process Engineering
Subject 2	Technical Investment Planning and Purchasing	Service and Business- Process Re-Engineering	Fluid Mechanics
Subject 3	Supply Chain Management	Game Theory and Operations Research	Design of Plants
Subject 4	Enterprise Resource Planning	Modelling and Simulation	Control of Plants in Process Engineering

Legende:

(CP/SWS)

CP: Kreditpunkte

SWS: wöchentliche Stunden