

1. Sem	Mathematics 1					Experimental Physics	Chemistry for Engineers	Statics	Product Presentation and Modelling (CAD)					28 CP
2. Sem	Mathematics 2	Physics Lab	Chemistry Lab	Mechanics of Materials			Material Science	Product Dimensioning		Business Administration for Engineers				30 CP
3. Sem	Mathematics 3	Dynamics		Materials Lab	Introduction to Electrical Engineering		Thermodynamics	Programming Basics	Product Development				29 CP	
4. Sem	Fluid Mechanics		Measurement Technology and Sensors	Control Technology		Engineering Materials		Product Development	Digital Development Processes and PLM		Compulsory Elective			30 CP
5. Sem	Measurement Technology and Sensors	Drive Systems and Components		Industry 4.0	Mechatronic Systems		Finite-Element-Method	Multibody Systems		Compulsory Elective		Communication and Moderation	Project Management	32 CP
6. Sem	Machine Dynamics		Introduction to Computational Fluid Dynamics		Heat and Mass Transfer		Verification and Validation / Systems Engineering		Development Project	Mechanical Engineering Project				31 CP
7. Sem	Industrial Placement						Bachelor Thesis and Colloquium							30 CP

Natural Sciences Basics

Engineering Basics

Non-Engineering Modules

Engineering Modules

Specialisation Digital Product Development

Project / Industrial Placement / Thesis

