

# Program structure Mechanical Engineering (B.Sc.)

- Start of studies: WiSe 2018-19 or later -

6	Applied Scientific Project			Bachelor Thesis and Colloquium		
5	Project		Electives	Electives	Moduls of Deepening	Moduls of Deepening
4	Design and Construction - Methods and Transmission Principles	Technical Mechanics, Part 4	Control Engineering	Hydraulic and Electric Drives	Moduls of Deepening	Moduls of Deepening
3	Design and Construction - Drive Train	Technical Mechanics, Part 3	Electrical Engineering and Metrology and Measurement Engineering	Fluid Mechanics	Thermodynamics	Electives
2	Design and Construction - Bearings and Joining Techniques	Strength of Materials	Physics Fundamentals	Fundamentals of Production Technology	Mathematics for Mechanical Engineers	
1	Design and Construction - Engineering Drawing and CAD	Statics	Informatics for Mechanical Engineering	Introduction Materials Science and Engineering	Fundamentals of Applied Mathematics	Orientation and Methods

Electives (interdisciplinary)	Electives (5th Semester)	Deepenings / Special Programmes
<ul style="list-style-type: none"> <li>- Technical Management</li> <li>- Basic English</li> <li>- Basic Technical Communication</li> <li>- Advanced Technical Communication</li> <li>- Other language modules with learning agreement</li> </ul>	<p>The electives can be selected - without further approval from a catalogue published within the university, provided that places are available. If electives that are not listed in the catalogue are to be provided, a learning agreement must be cluded.</p>	<ul style="list-style-type: none"> <li>- Energy Technology</li> <li>- Development and Construction</li> <li>- Engineering Pedagogics</li> <li>- Agricultural Mechanical Engineering</li> <li>- Manufacturing Engineering</li> <li>- Integrated Studies Abroad</li> <li>- European Project Semester (EPS)</li> </ul>

All modules are offered in the German language (Exception: language modules).