

# Electrical Engineering and Information Technology B. Eng.

<b>7</b>	<b>Bachelor Thesis</b> <small>Including seminar on guidance to scientific work</small>			<b>Elective Module</b>	<b>Autonomous Driving</b>	<b>Project Management</b>
<b>6</b>	<b>Project Work</b> <small>(Internal research projects at THU)</small>	<b>Technical German B1</b>	<b>Elective Module</b>	<b>Distributed Systems</b>	<b>Electromagnetic Compatibility</b>	
<b>5</b>	<b>Internship (Engineering Project in Industry)</b> <small>Including a preceding block course on advanced measurement technology and fundamentals in project management, as well as training in specifying requirements and in documenting and presenting technical results</small>				<b>German A2 (2)</b> <small>(block course before beginning of internship)</small>	
<b>4</b>	<b>Electrical Machines and Drives</b>	<b>Control Theory</b>	<b>Softw. Engineering</b> <small>(incl. project work)</small>	<b>Digital Signal Processing</b>	<b>Sensors &amp; Bus Systems</b>	<b>Power Electronics</b>
<b>3</b>	<b>Electronics</b>	<b>Systems Theory</b>	<b>Microcomputer Technology</b>	<b>Mathematical Methods in Electr. Engineering 2</b>	<b>Wired Communications</b>	<b>German A2 (1)</b>

## Basic Study Period

German A1 (2) Basic Level 2 (as a block course at the end of the second semester)

<b>2</b>	<b>Electrical Engineering 2</b>	<b>Communication Technology</b>	<b>Programming in C++</b> <small>(incl. project work)</small>	<b>Digital Technology 2</b>	<b>Mathematical Methods in Electr. Engineering 1</b>	<b>Physics 2</b>
<b>1</b>	<b>Electrical Engineering 1</b>	<b>German A1 (1) Basic Level 1</b>	<b>Programming in C</b>	<b>Digital Technology 1</b>	<b>Mathematical Foundations</b>	<b>Physics 1</b>

Compulsory Modules

Elective Modules