TECHNISCHE HOCHSCHULE DEGGENDORF THD

Electives WS 2025/2026
Master Artificial Intelligence and Data Science

The list applies to Electives 1–4. Electives from the bachelor's course Artificial Intelligence AIN-B WS24/25 and from AIX-B can only be chosen for Electives 1 and 2 in the first semester.

In addition to the subject-specific compulsory elective modules, which are offered in English, students may choose individual an advanced language course A2 as elective 4, in the same language that you have your language course A1.

The list includes only electives offered at DIT. Students can also choose additional electives offered at USB.

Important: If German is specified as the language of instruction for an elective course, then the examination will also be conducted in German!

SPO	Modul-/Subject	ECTS	Language	Primary degree program	Semester
AIN-B WS24/25	Technology Ethics and Sustainability, Academic Writing	5	EN	Bachelor Artificial Intelligence	WS
AIX-B	Quantum Computing	5	EN	Pool Faculty Applied Computer Science	WS
HPC-M WS21/22	Optimization Methods	5	ENGLISH	Master High Performance Computing / Quantum Computing	WS
AIX-M	Basics of FPGA SoC Development	5	ENGLISH	Pool Faculty Applied Computer Science	WS
LSI-M SS21/22	Biometical Data Analysis	5	ENGLISH	Master Life Sciens Informatics	WS
ASE-M SS2025	Wireless and Car2X-Communication	5	EN	Master Automotive Software Engineering	WS
AI-M	Special Mathematical Methods	5	EN	Master Applied Computer Science	WS

MC-M SS2024	Case Study Cooperative and Autonomous Systems	5	EN	Master Mechatronic and Cyber-physical Systems	WS
	Autonomous Systems	5	EN		WS
	Advanced Robotics		EN		WS
	Cyber Physical Systems		EN		WS

ET-M WS 2020/21	Special Topics of Contactless Sensor Systems	5	EN	Master Electrical Engineering and Information Technology	WS
	Advanced Automation Technology /Fortgeschrittene Automatisierungstechnik	5	EN		WS
	Automotive and Industrial Drive Systems	5	EN		WS
	Special Devices and Circuits	5	EN		WS
	Modern RF and Radio Systems	5	EN		WS
	Signals and Systems in Communication Technology	5	EN		WS

	Advanced Language Course A2	5		Language Center	WS