

Studies with excellent prospects

- innovative courses of study
- practice-oriented curriculum

Successful study

- small study groups
- close contact to professors

Fit for the Job

- Career Service – *career planning*
- THCONNECT – *Wildauer Company contact fair*
- business start-up consultation

Ideal location

- City railway station at the Campus
- only 30 minutes to the city centre of Berlin

Family-friendly university

- Study with a child? No problem! Day-care for children in our kindergarden
- individual help and assistance in all situations
- dynamic campus life: sports, parties, cultural events
- hall of residence directly on the campus

Healthy university

- Diverse health care - and prevention services to ensure healthy studies
- consultant and physician for preventive measures provides advice and information on campus
- Health and campaign days during the semester
- in co-operation with the Techniker Krankenkasse

Postal address

Technische Hochschule Wildau
Hochschulring 1, 15745 Wildau

President

Prof. Dr. oec. László Ungvári

Vice-presidents

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Prof. Dr. rer. nat. Ulrike Tippe
Prof. Dr. rer. nat. Ralf Vandenhouten

Chancellor

Thomas Lehne, MBA

Deans

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Faculty of Business, Computing and Law
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Faculty of Engineering and Natural Sciences

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Student Guidance and Counseling Centre
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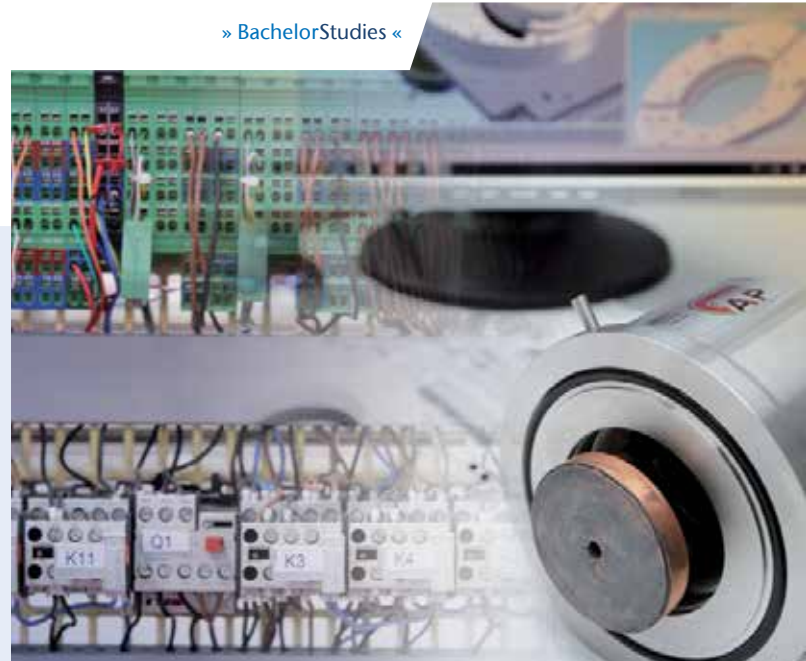
Application & enrollment

Department of student affairs
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Information for international students

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» BachelorStudies «



 **iC3** Course of studies
Automation Technology
TUAS Wildau

Faculty of Engineering and Natural Sciences

AUTOMATION TECHNOLOGY (dual)

BACHELOR OF ENGINEERING

With technical apprenticeship to be an electronics technician or a mechatronic engineer



AUTOMATION TECHNOLOGY (DUAL)**BACHELOR OF ENGINEERING**

With technical apprenticeship to be an electronics technician or a mechatronic engineer

The aim of production-orientated tasks is to design effective and efficient value-added chains. As automation technology is widely used in all fields of industrial applications, it is considered to be a cross-section technology. The Bachelor study programme, Automation Technology, is dominated by the near-net shape design of automated products. The course contents are equally represented from the areas of construction, electrical engineering, information and system technology. This also applies to the questions of production technology. The aim of the study programme is to prepare graduates for a challenging, modern and future-oriented working world. Therefore, independence, holistic thinking in technical and business contexts, teamwork and social skills all play an essential role.

Course structure and duration

- conclusion of an apprenticeship contract
- start of the apprenticeship for an industrial mechanic in the second year of the apprenticeship the parallel studies at the TUAS Wildau start (condition: matriculation in the "Automation Technology" study course)
- after two and a half years of apprenticeship: proficiency examination in front of the "Industrie- und Handelskammer" (IHK)
- after passing the IHK examination, further courses und internships will take place
- 1st-7th semester: courses
- 8th semester: internship and bachelor thesis

Degree

- Industrial mechanic/mechatronic engineer
- Bachelor of Engineering (B. Eng.)
- Ability to join a Masters course

Application

For the dual course of study in Automation Technologies you have to apply for an apprenticeship first. To do so, please contact one of the following cooperation partners:

- **Zentrum für Aus- und Weiterbildung Berlin-Brandenburg GmbH (ZAL)**, Schwarzkopfstraße 9, 15745 Wildau, Tel. + 49 (0) 3375 / 212321, info@zal-bb.de
- **QualifizierungsCentrum der Wirtschaft GmbH (QCW)** EKO Straße 9, 15890 Eisenhüttenstadt, Tel. +49 (0) 3364 / 37-5679, Fax +49 (0) 3364 / 37-5677, info@qcw.de
- **SBH Südost** Hochschulring 5, Haus 20, 15745 Wildau, Tel. +49 (0) 3375 / 529 19 53, rene.Lehmann@sbh-suedost.de
- **Gemeinnützige Bildungsgesellschaft Pritzwalk** An der Promenade 5, 16928 Pritzwalk, Stellv. und Ausbildungsleiter Herr Kreklow, Telefon +49 (0) 3395 / 764 412, kreklow@gbg-pritzwalk.de, www.gbg-pritzwalk.de

The further application for the course of study will be made via the cooperation partners. The cooperation partner of the TH Wildau will declare you as an applicant.

Director of Studies**Prof. Dr.-Ing. Jörg Reiff-Stephan**

Phone +49 (0) 3375 / 508-418

E-mail joerg.reiff-stephan@th-wildau.de

Contact person for affairs of dual studys:**Prof. Dipl.-Ing. Thomas Mirre**

Phone +49 (0) 3375 / 508-220

E-mail thomas.mirre@th-wildau.de

BACHELOR COURSE AUTOMATION TECHNOLOGY DUAL B. Eng.	WHS	CP	L S La P	TE	WHS								
					1.	2.	3.	4.	5.	6.	7.	8.	
Basics in Engineering													
Mathematics I	6	5	4 2 0 0	ME	6								
Mathematics II	4	5	2 2 0 0	ME		4							
Basics in Mechanics	4	5	2 2 0 0	ME	4								
Manufacturing Technology	6	6	4 1 1 0	ME			6						
Design Basics/CAD	5	6	4 0 2 0	ECS				6					
Materials Engineering	3	5	2 0 1 0	ME		3							
Quality Management	5	5	3 1 1 0	ME								5	
Assembly- and Handling Technology	4	5	2 1 1 0	ECS							4		
Basics in Electronics													
Principles of Electrical Engineering	4	5	2 1 1 0	MEL		4							
Electronics	4	5	2 1 1 0	ECS			4						
Measurement Engineering/Sensorics	4	5	3 0 1 0	MEL			4						
Feedback Control Engineering	6	6	4 2 0 0	ME				6					
Electrical Motion Machines	4	5	2 2 0 0	ME				4					
Pneumatics/Hydraulics	4	5	2 2 0 0	ME				4					
Micro Processor Technology	4	5	3 1 0 0	ECS							4		
Basics in Informatics													
Principles of Informatics	6	5	2 2 2 0	MEL		6							
Software Engineering	4	5	2 1 1 0	MEL		4							
Computer Aided System Analysis	4	5	2 2 0 0	ECS				4					
Control Technology	4	5	2 0 2 0	MEL				4					
Visualization	4	5	2 1 1 0	ECS							4		
Automated Systems	4	5	2 0 0 2	ECS							4		
Advanced Applications													
Module of Specialization I	4	5	2 0 2 0	MEL							4		
Module of Specialization II	4	5	2 2 0 0	ECS							4		
Module of Specialization III	4	5	3 1 0 0	ME							4		
Module of Specialization IV	4	5	2 2 0 0	ME							4		
Specialization „Microtronics“													
I) Labview Programming in Product Development													
II) Assembly of Minimalized Design Parts													
III) Mechatronic Actuators and Sensorics													
IV) Micro Manufacturing Technologies													
Specialization „Machines Technology“													
I) Advanced PLC Programming													
II) Image Processing													
III) Advanced Feedback Control Systems													
IV) Autonomous Systems/AI													
Transdisciplinary Modules													
Project Management	3	4	2 1 0 0	ECS	3								
Communication and Presentation	3	4	2 1 0 0	ECS				3					
Technical English	4	5	2 0 2 0	MEL								4	
Production Organization	4	5	2 2 0 0	ME								4	
Operational Accounting	3	5	2 1 0 0	ECS								3	
Business Law and Leadership of Employees	4	4	2 2 0 0	ECS									4
Total of semester periods per week	131		74 36 19 2		13	11	16	14	25	24	24	4	4
Credits teaching	155				16	15	14	15	30	30	30	5	
Credits practical part	40							7,5	7,5	7,5	7,5	10	
Credits thesis	12												12
Credits of the colloquia	3												3
Total credits	210				16	15	14	22,5	37,5	37,5	37,5	30	30

The number of module examinations (ME, MEL, ECS) is limited to a maximum of 6 per semester.
Sem. Semester, **CP** Credit Points according to ECTS, **WHS** Weekly hours per semester, **L** Lecture, **S** Seminar,
La Laboratory, **P** Project work, **ME** Module examination, **MEL** Module examination with laboratory,
ECS Examination during the course of study