



Universities with requirements..

and also with application

deadlines →



Master Programs in Germany

- TH - Köln - Information Systems ()
 - * Letter of motivation - 2 page cover letter
 - * CV
 - * Certified copy of diploma *
 - * Certified copy of transcript
 - * Language requirement documentation *
 - * Copy of passport pages *
 - * VPD (from uni-assist)
- Technical University of Munich - Informatics (S.S 18.12.2020)
 - * Certified copy of transcript *
 - * Certified copy of diploma *
 - * Language requirement documentation *
 - * Essay
 - * Letter of motivation → might require to format EU standard.
 - * CV
 - * VPD (from uni-assist) -
- Deggendorf Institute of Technology - Applied CS
 - { 15 April - 15 July (W.S) }
 - { 15 Nov. - 15 Jan (S.S) }
 - * Assessment test. (Free in Deggendorf) (26\$ online)
 - * German A2 certificate required by the end of second semester.
↳ German courses are free in semester
 - * €62 required student service fee

Sample Admission Test : [https://www.th-deg.de/Fakultäten/ai/
sample_admission_test_master_ai.pdf](https://www.th-deg.de/Fakultäten/ai/sample_admission_test_master_ai.pdf)

Degendorf Institute of Technology - Applied CS

Overview of lectures and courses, SWS (Semesterwochenstunden = weekly hours/semester) and ECTS (European Credit Transfer and Accumulation System) in the Master's degree Applied Computer Science.

1. Semester

	SWS	ECTS
Theoretical Computer Science	6	8
Practical Computer Science	6	8
Selected Topics of Embedded Software Development I	4	5
FPGA Programming X	4	5
Foreign Language I	2	2

2. Semester

	SWS	ECTS
Specific Mathematical Methods	4	5
Foreign Language II	2	2

5 Elective Modules with 4 SWS and 5 ECTS each from the following range from the Master's degree Electrical Engineering*

- Selected Chapters of Micro- and Nanoelectronics 4 5
- High-frequency and Radio Technology Systems 4 5
- Special Components and Circuits 4 5
- Signals and Systems of Communications Engineering 4 5
- Selected Topics in Contactless Sensor Technology 4 5
- Automotive and industrial electric drive systems 4 5
- Regenerative Energies 4 5

and from the Master's Degree Media Technology*

- 3D Computer Animation 4 5
- Computervision 4 5
- Industrial Image Processing 4 5
- Information Security 4 5
- Application Design 4 5
- Multimedia Content and Streaming 4 5

* The lecture content of the modules can be taken from the module manuals of the master programs Electrical Engineering and Information Technology or Media Technology.

3. Semester

	SWS	ECTS
Selected Topics of Embedded Software Development II	4	5
Master Thesis	2	23
Master Colloquium	2	2

- University of Stuttgart - Computer Science (2300 EUR) per semester

* IELTS 7.0 / or 6 semester English Bachelor

* Application Deadlines

Deadlines

winter semester (starting in October): 15th January

summer semester (starting in April the following year): 15th July

Ranked #79
in Engineering

starting

* No uni-assist

* Asked for further information about deadlines.

- University of Bayreuth - Computer Science

- * IELTS 6.5 Minimum (Must)
- * German certificate at A1 level (at the latest within first year)
- * Application deadlines:
 - October 15 to July 15 (summer semester)
 - April 15 to July 15 (winter semester)
- * No need to via-assits (through C@MPUS)

- University of Göttingen - Computer Science

- * Application Deadlines:
 - April 15th (winter semester)
 - October 15th (summer semester)
- * Aptitude test for 1-2 hours
- * CV
- * Certificate and Transcript
- * Proof of English
- * At least 15 ECTS in Mathematics
- * At least two year English BSc degree program.

- University of Passau - Master of science in Computer Science

* IELTS 5.5

85 EUR per semester

▼ Programme syllabus

You will choose modules from the following five subject areas (please note that only areas 3 to 5 can be studied entirely in English; for areas 1 and 2 there is an insufficient number of English-taught modules to gain the required number of credits):

- 1) Algorithms and Mathematical Modelling (requires German language skills)
- 2) Programming and Software Systems (requires German language skills)
- 3) Information and Communication Systems
- 4) Intelligent Technical Systems
- 5) IT Security and Reliability

* Application Deadlines:

- 15 April to 31 May (October start)
- 16 November to 15 December (April start)

* Complete online application and print out cover letter

* Gather required documents

* Completed and signed form from 1st step

* A chronological CV

* A copy of identity page of passport.

* A certified copy of BSc diploma and transcripts.

* Summary of undergraduate project (final year project)

A certified copy of a language certificate

A first degree completed in English is also sufficient.

* Send all documents to following address:

University of Passau
Student Registration Office
Innstrasse 41
94032 Passau
Germany

→ Technische Kaiserslautern - Computer Science

Application Deadline: Min IELTS 6.0
240 EUR semester fee

Summer semester 2021: October 31, 2020

Winter semester 2020/21: April 30, 2020

- * Assessment fee of 50 EUR
 - * No hard copies of files required to application ← ~~app~~
 - * Required Documents.
 - * CV
 - * Degree certificates (original language),
* Degree certificates (certified translation)
 - * Transcript of records
* Description of subjects covered during my previous studies. ↗ syllabys
 - * Letter of motivation
 - * 2 letters of recommendation from a faculty staff a university
 - * Further qualifications.

— HOF University of Applied Sciences – Applied Research in Computer science

- Application Deadlines:

- Application deadlines:
 - April 15 to May 31 (Winter)
 - Nov 05 to Nov. 30 (summer intake)
 - 3150 +100 EUR per semester ?

- RWTI AACHEN University - Computer Engineering -

Application deadlines:

- application deadlines:

 - 1 March (for following year winter semester)
 - 1 September (for following year summer semester)

TMN IETLS 5.5

Code	Admission Requirements (there is no practical course work/lab included)	Minimum extent	Undergraduate Courses at RWTH Aachen that meet the requirements	CP	SWS	Sum SWS
1	Advanced Mathematics	28	Higher Mathematics 1	6		
			Higher Mathematics 2	7		
			Higher Mathematics 3	7	6	
			Higher Mathematics 4	4	3	
			Numerical Mathematics	4	3	24
2	Classical Physics and Physical Principles of Electronic Devices	10	Physics 1	5	4	
			Physics 2	5	4	8
3	Fundamentals of Electrical Engineering including Circuit Technology	34	Fundamentals of Electrical Engineering 1 - Introduction to Circuit Analysis	7	5	
			Fundamentals of Electrical Engineering 2 - Modeling and Analysis of Electrical Components and Circuits	8	6	
			Fundamentals of Electrical Engineering 3 - Signals and Systems	8	6	
			Fundamentals of Electrical Engineering 4 - Introduction to Electromagnetic Fields Theory	8	6	
			Circuit Technology 1	5	3	26
4	Fundamentals of Computer Sciences and Programming	12	Fundamentals of Computer Sciences 1 - Programming, Algorithms and Data Structures	4	3	
			Fundamentals of Computer Sciences 2 - Microprocessor Fundamentals and Applications	4	3	
			Fundamentals of Computer Sciences 3 - Optimization, Modelling and Parallel Data Processing	4	3	9
5	Fundamentals of Control and Mathematical System Theory	8	Mathematical System Theory 1	5	3	
			Mathematical System Theory 2	5	3	6
6	Advanced Electromagnetic Field Theory	8	Electrodynamics - Electromagnetic Waves or Information Theory 1	4	3	
			Theoretical Fundamentals of Highfrequency Engineering or Electromagnetic Fields in Communication Technology or Information Theory 2	4	3	6
7	Application-oriented Courses	20	Power Systems	4	3	
			Components and Installations for the Supply of Electricity	4	3	
			Circuit Technology 2	4	3	
			Grundlagen integrierter Schaltungen und Systeme	4	3	
			Communication Engineering	4	3	
			Communication Networks	4	3	
			Optical Systems	4	3	
			Power Electronics Fundamentals, Topologies and Analysis	4	3	
			Planning and Operation of Power Systems	4	3	
			Basics of Electrical Machines	4	3	
			High and Medium Voltage Switchgear	4	3	
			VLSI-Circuits and -Architectures	4	3	
			Fundamentals of High Frequency Engineering	4	3	
			Sensors	4	3	
			Manufacturing Processes for Silicon Based Microsystems	4	3	
			Cryptography	4	3	
			Basic Principles of Compiler Constructions	4	3	
			Biomedical Imaging	4	3	
			Introduction to Medical Technology	4	3	
			Introduction to Acoustics	4	3	

- Hamburg University of Technology - Information and Communication Systems.

Application deadlines:

- 1 March

* CV

* BSc Diploma

* Complete university transcript record

* Official explanation of university grading system

* Minimum IETLS 6.5 //

* 16 ECTS Mathematics → Analysis, Linear Algebra, Statistics, Optimization
Discrete Mathematics

* 74 ECTS Telecommunications, Computer Science and Engineering.

- TU Berlin - Computer Science

* A total of 36 credit points in the fundamentals of computer science;

- 12 credit points in theoretical computer science,

- 12 credit points in computer engineering or information technology.

- 12 credit points in methodological-practical computer science.

- 18 credits in mathematics, with a min of 30 credits in
computer science.

* IETLS 6.5

- Universität of Paderborn - Computer Science / Engineering

* Application through uni-assist

Deadlines: (Winter) Starting in October until 31st May
(Summer) Starting in April until 30 November

* Requires IETLS 6.5

- FH Wedel University of Applied Sciences - IT Programme

- * 2460 EUR per semester
- * September 30 (WS)
- * February 28 (SS)
- * 210 ECTS required

Scientific Essay for master application to TUM

— Essay should introduce the topic, discuss it, and lead to a logical conclusion. approximately 1.000 words //

T1: The role of AI in future technology

T2: The influence of social networks on human society

T3: The characteristics of Big Data platforms and their importance for data exploration

T4: Can computers think?

- Characteristics of Big Data Platforms

Comprehensive - Address Big Data challenges such as Volume, Variety and Velocity.

Integrated - Enable integration with existing information architecture including databases, data warehouses and

BI applications

Scalability - The design of the solution is ready for scaling to petabytes without much design and hassle.

Extensible - The solution is extensible to accommodate newer technologies to be introduced.

Minimal maintenance: It should be fault tolerant and allows individual hardware to be upgraded or replaced.