



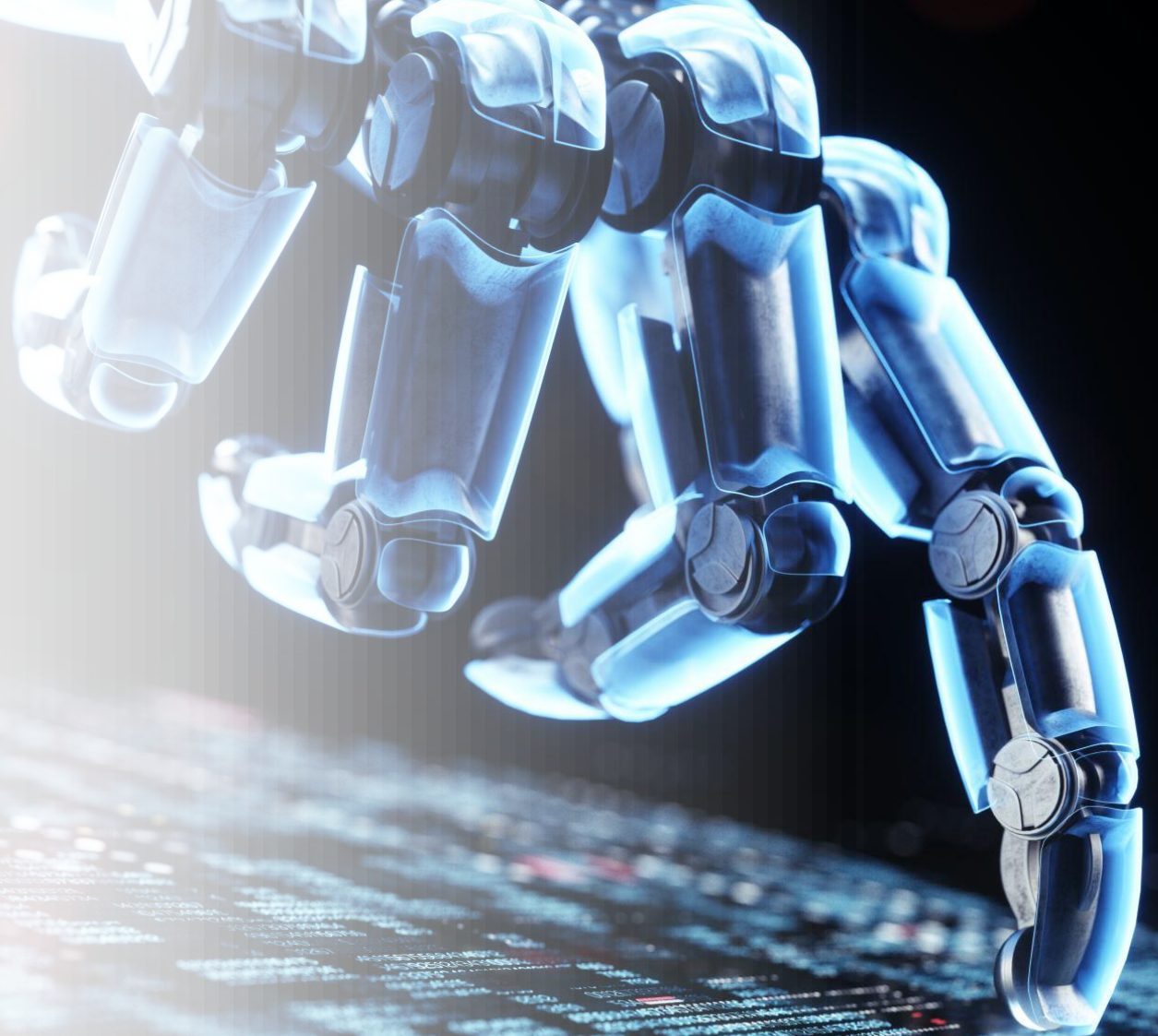
TUM
Master's
Days

M.Sc. AI in Society

Info Session

TUM Master's Days

March 26th 2026





Agenda

- Artificial Intelligence: Challenges in Society
- What will I learn?
- Target Audience
- What jobs can I apply for later?
- Application procedure

- Your questions!

AI in Society: Current Challenges

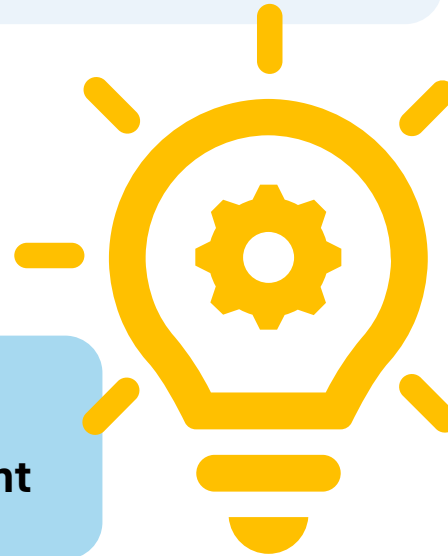
AI = black-box. Complex decision-making processes we need to understand

Potential **misuse of AI:**
Fake news, fraud schemes, ...

Overreliance on AI:
privacy and security concerns

Automation of tasks:
May lead to **job displacement**

Bias in AI systems:
Unfair and discriminatory outcomes



We need:

- **responsible and ethical use of such technologies**
- **effective regulation and governance of AI**

What will you learn?



Technical side

- Data Science
- Machine Learning
- Natural Language Processing
- Human-AI Interaction
- Explainable AI
- Programming with Python



Social science side

- Legal aspects
- Policies, Regulation
- Governance
- Role of AI in societal contexts
- Instructional design of AI
(psychology of learning)

Bridging technical and
societal implications of AI

Semester 1	30 Credits	Foundation of AI & Data Science 9 Credits		Introduction to Programming & Data Science 3 Credits	AI in and for Society: Science, Technology and Society in the Digital Age 6 Credits	Law, Governance and Regulation of Artificial Intelligence 6 Credits	Psychology of Learning and Introductory Design of AI-based systems 6 Credits
Semester 2	30 Credits	Introduction to Deep Learning 6 Credits	Deep Learning Demystified: Hands-on Deep Learning 3 Credits	Academic Competencies and Practical Skills 4 Credits	Methods 1 5 Credits	AI in Diverse Societies 6 Credits	Electives: AI in different domains of society 6 Credits
Semester 3	30 Credits	Natural Language Processing 6 Credits	Project Week 6 Credits		Electives: AI in different domains of society 18 Credits		
Semester 4	30 Credits	Master's thesis 30 Credits					

Curriculum: Electives

Introduction Programming Data Science Credits	AI in and for Society: Science, Technology and Society in the Digital Age 6 Credits	Law, Governance and Regulation of Artificial Intelligence 6 Credits	Psychology of Learning and Introductory Design of AI- based systems 6 Credits
Academic Competencies Practical Skills Credits	Methods 1 5 Credits	AI in Diverse Societies 6 Credits	Electives: AI in different domains of society I 6 Credits
	Electives: AI in different domains of society 18 Credits		
Master's thesis 30 Credits			

- Advanced Analysis of Variance Procedures
- Advanced Topic: Law in Action
- AI Applications in Non-Governmental Organizations
- AI in Educational Technologies: From Algorithms to Human Factors
- AI Regulation & Law
- Aligning Generative AI to Social Values
- Development of Research Instruments
- Gaze-based HCI
- Learning Analytics
- Philosophy of Artificial Intelligence: Key Readings
- Responsible Data Science for Safe and Socially Aligned AI Applications
- Start-up Skills – Legal Fundamentals
- ... and many more electives ...

First semester: Timetable 2025/26

Find it also on our website!

<https://www.sot.tum.de/sot/studium/ai-in-society/studies/>



	Mon	Tue	Wed	Thu	Fri
7-8					
9-10	AI in and for Society 9:00-11:15				
10-11					
11-12					
12-13					Foundations of AI and Data Science (Lec.) 11:30 – 13:15
13-14					
14-15					
15-16	Psychology of Learning and Instructional Design of AI-based systems 15:15 – 18:15		Foundations of AI and Data Science (Ex.) 15:45 – 18:00		
16-17					Law, Governance and Regulation of Artificial Intelligence 16:45 – 19:00
17-18					
18-19					

Introduction to Programming & Data Processing (SOT10054) (E. Kasneci + MA)

3 ECTS

Block course: October 1 – 10, 2025

Be sure to apply if you...

... have completed a bachelor's degree in **social sciences, political sciences, economics, law, psychology**, or a related field. **Technical backgrounds** are also very welcome!

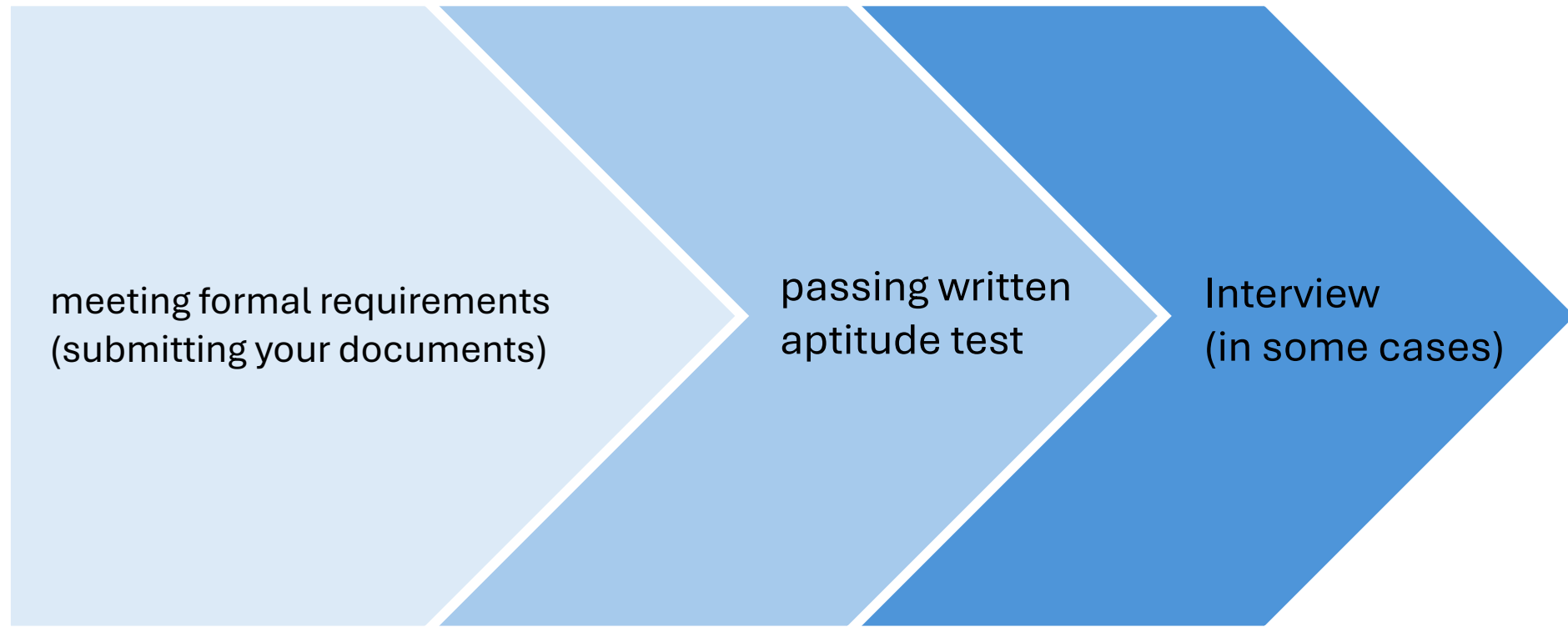
... have an interest in **ethical AI practices, AI governance**, AI's socio-economic impacts, and the role of AI in **shaping future societies**

Graduates are equipped to work as

- AI ethicists, consultants, researchers, or product managers in various fields
- AI policy advisors in public administration

The goal is to ensure the responsible development and implementation of AI technologies, analyze their potential societal impacts, and promote ethical AI practices in both private and public sectors.

Final Application Deadline: May 31, 2026!



Step 1: Formal requirements

- Bachelor's certificate + diploma / Transcript to date
- Transcript of Records
- Proof of English Language Proficiency
- CV
- List of 140 best Credits
- Preliminary Study Documentation (VPD, see uni-assist.de) if bachelor's degree outside Germany
- **Optional:** Letter of Motivation

Side note: tuition fee for international students from non-EEA countries 4000€/semester (information regarding waivers and scholarships on the website)



For a comprehensive list, see: <https://www.tum.de/en/studies/degree-programs/detail/ai-in-society>

Additionally, you need to fulfill the following requirements:

- At least 5 ECTS worth of mathematics / statistics modules (bachelor's degree only!)
- At least 18 ECTS worth of a **practical project**



practical analysis of societal challenges, demonstrating the ability to apply a blend of technical and social science perspectives. For example:

- Data analysis of social media trends
- Developing educational technologies
- Data-driven approaches in healthcare
- ...

practical project

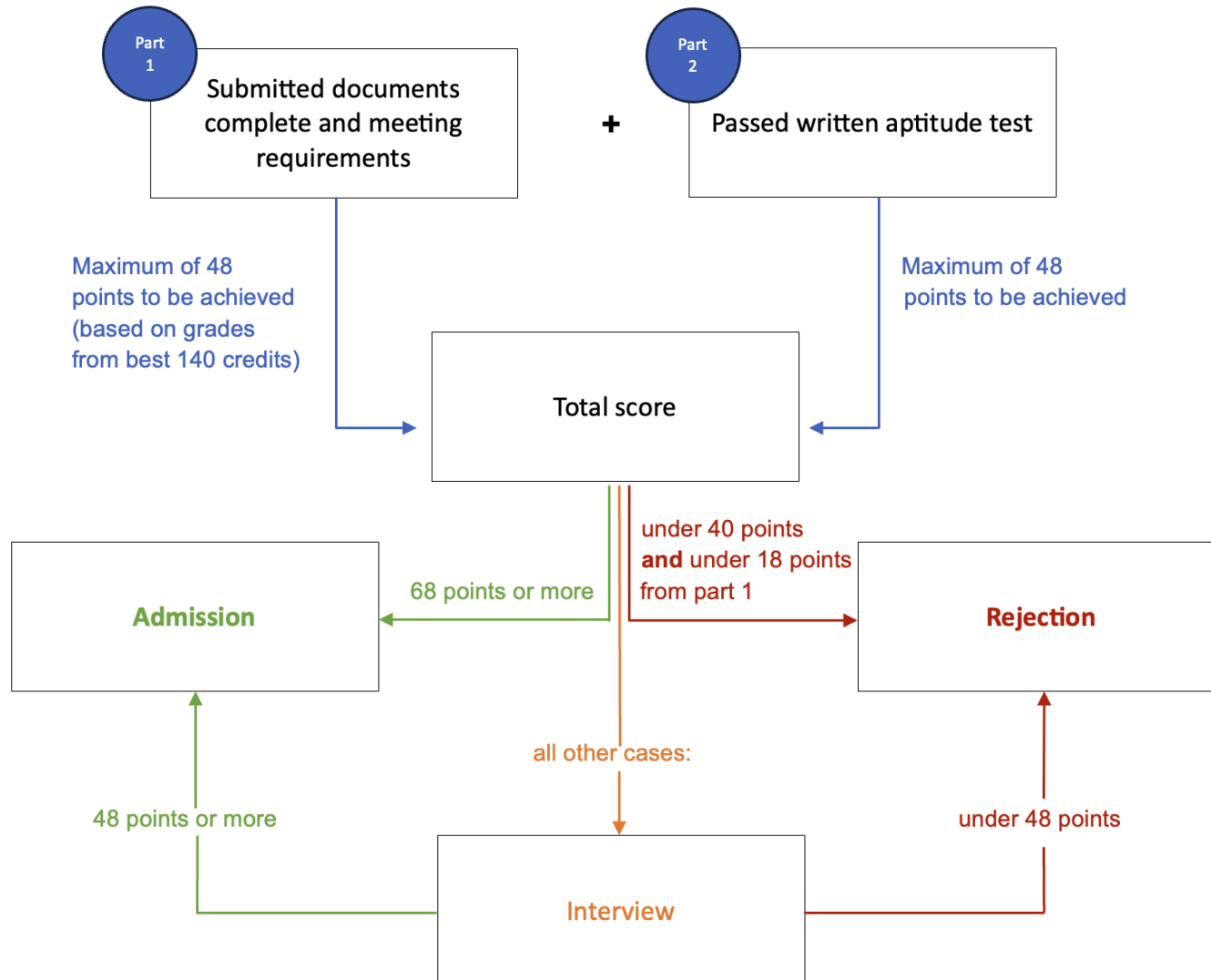
- Can be part of a different study program or internship/work experience
- The 18 ECTS can be combined from different projects
- Does not have to be AI related
- The practical and interdisciplinary aspects are very important (if your project is hands-on/practical but you are unsure if it is interdisciplinary enough, we highly recommend to submit it!)

Don't forget to upload the practical project form with all proof attached (module descriptions, internship/work certificates...) merged in one PDF in TUMonline!

Step 2: Aptitude test

- Written test
- 90 minutes
- 35 multiple-choice questions from the fields of:
 - *Politics and social science*
 - *Economics and law*
 - *Mathematics and statistics*
 - *Science and engineering*
- Can be taken on site or online
- 1. test date approx. June 10, 11 am (CEST)
- 2. test date approx. mid-late July

Application Procedure



Apply here:

<https://www.tum.de/en/studies/application/application-info-portal/online-application>



Find more information here:

<https://www.sot.tum.de/sot/studium/ai-in-society/application/>



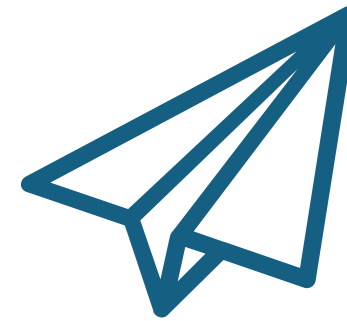
Step 3: interview (if necessary!)

- 20-30 minutes, 2 interviewer, online via MS Teams
- Questions about:
 - *commitment to the AI in Society master's program (why this program and why are you perfect for this program?)*
 - *Mathematics and statistics*
 - *Politically and socially significant engineering or scientific issues, current topics at the interface between AI and society*
 - *The interdisciplinary orientation of the AI in Society program*
- 1. round mid-late June
- 2. round mid/late July-early August

More Questions?



Ask now!



Send an E-Mail to: ais-application@sot.tum.de