

**Become an expert for
human resources and technology
with the M.Sc. in Psychology
*Human Performance in
Socio-Technical Systems***

- ✓ We will empower you with the broad and extensive psychological knowledge necessary to master multifaceted challenges on the job.

For example, you will learn how to ...

- design and analyze modern work systems
- organize mobility and design traffic
- develop, implement, and evaluate educational and training interventions for vocational and further training
- develop and evaluate team interventions
- think and work in novel and interdisciplinary research as well as professional contexts
- successfully solve complex problems concerning human behavior in socio-technical systems (e.g., in traffic systems)

Contact

Internet:

<http://psychologie.tu-dresden.de/HPSTS>

Study Advisor:

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Cooperating Chairs:

Work and Organizational Psychology
Psychology of Learning and Instruction
Engineering Psychology
Traffic and Transportation Psychology
Social Psychology
Methods of Psychology

In Addition:
Clinical Psychology
Cognitive-Affective Neuroscience
Public Health
Occupational Health
Computer Sciences

Application:

Please visit
<http://psychologie.tu-dresden.de/HPSTS>
for information about application
procedures

**Apply now –
we are looking forward to meeting you!**

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**TECHNISCHE
UNIVERSITÄT
DRESDEN**

www.tu-dresden.de



Master Study Program Psychology: Human Performance in Socio-Technical Systems



**Innovative
Interdisciplinary
International
Excellent**

Why should you choose the M.Sc. *Human Performance in Socio-Technical Systems*?

- ✓ **Study program that is unique within Europe**
 - Interdisciplinary curriculum of different chairs of psychology:
 - Work and Organizational Psychology
 - Psychology of Learning and Instruction
 - Engineering Psychology
 - Traffic and Transportation Psychology
 - Social Psychology
 - Methods of Psychology
 - Cooperations across faculties (especially technically-oriented fields)
- ✓ **Excellent research infrastructure**
 - Integration in international and interdisciplinary research projects and cooperations
 - Availability of state-of-the-art research laboratories
- ✓ **Excellent teaching quality**
 - Innovative range of course offerings
 - International orientation (courses in English and German)
 - Close coupling of theory and practice
 - Excellent study conditions (CHE-ranking)
 - Mentoring program

Course Contents

- ✓ **Knowledge areas:**
 - Work and organizational psychology
 - Personnel psychology
 - Competence acquisition in socio-technical systems
 - Traffic and transportation psychology
 - Applied cognitive research
 - Social interaction and performance
- ✓ **Methods:**
 - Advanced multivariate statistics
 - Research methods of different disciplines (e.g., interventions in work, organizational, and personnel psychology)
 - Master thesis seminar
- ✓ **Applications:**
 - Multiple fields of application
 - Internships
 - Additional focus areas: clinical psychology, cognitive-affective neuroscience, public health, occupational health, computer sciences, technical design

Research Topics (Selection)

- ✓ Human-oriented and performance-enhancing design of work and organizational systems
- ✓ Development of life-long learning in terms of active construction and communication of knowledge
- ✓ Design of ideal social and communicative conditions for excellent performance in teams and organizations
- ✓ Management of mobility and traffic design
- ✓ Human factors in traffic and engineering sciences
- ✓ Optimization of human-machine-interactions

Admission Requirements

- ✓ University degree in psychology (min. 6 semesters) or related fields of study (work sciences, computer sciences, engineering-, traffic-, economic sciences, business education, industrial engineering, teaching, public health, occupational health, sociology)
- ✓ Good command of the German and English language (level B2 of the European framework of reference for languages)
- ✓ Knowledge in the core areas of the master program as well as in the fundamental subjects of psychology

Selection Criteria

- ✓ Selection ranking based on:
 - Overall grade of university degree
 - Study performance in the core areas of the master program
 - Study performance in the fundamental subjects of psychology

Study Conditions

- ✓ Course load: 120 credits
- ✓ Standard duration of study: 4 semesters
- ✓ Commencement: Every winter semester
- ✓ Structure: Nine mandatory modules and one broad elective area
- ✓ Available places: 45