

Studium MEng(TAR)

Masterstudium [Traffic Accident Research](#) an der TU Graz, Institut für Fahrzeugsicherheit ([VSI](#)). Der Lehrgang ist als berufsbegleitendes Bildungsprogramm konzipiert.

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Curriculum

1. Semester

- Introduction to transport policy basics
- Basics of criminal law and civil law
- Mechanics 1
- Piston Engines
- Automotive Engineering
- Traffic safety concepts for the infrastructure
- Component testing
- Traffic psychology
- Vehicle Electronics

2. Semester

- Passive safety and regulations in vehicle development
- Methodologies in expert opinions (Sample Reconstructions)
- International traffic laws
- Mechanics 2
- Vehicle Safety 1
- Diagnostics and Repair
- Crashtesting
- Biomechanics
- EuroNCAP
- Perception & Visualisation
- Pedestrian / Child Safety

3. Semester

- Insurance fraud

- Reconstruction Methods 1 (conventional methods)
- Mechanics 3 (Multibody method)
- Vehicle Safety 2 (Integrated safety)
- The Mechanics of Car Accidents
- Motorcycle accident
- Primary and Secondary Safety of Trucks
- Forensic Medicine

4. Semester

- Methods of reconstruction 2 (Methods of simulation)
- Vehicle safety testing methods
- Mechanics 4 (Finite Elements method)
- Accident research (Databasis)
- Accident Investigation

5. Semester

- Master's Thesis