Innovative, future-oriented and sustainable

The Transportation Management Master’s Degree program in cooperation with different partners combines the relevant content of different disciplines, and forms specialists in the complex field of transport management. The study location is Karlsruhe, with the best conditions to design a sustainable transport study program: Here are located many different transport-related companies and Universities. Moreover, the region of Baden-Württemberg are magnets for important transport-related Industry headquarters.

Cooperation-partners of the degree program:
- init AG, Karlsruhe (www.initag.de)
  World market leader in transport telematics applications
- PTV AG, Karlsruhe (www.ptvgroup.com)
  World leader in traffic simulation solutions
- Siemens, Karlsruhe (www.siemens.de)
  World market leader in traffic engineering

The cooperation with different partners allows the Master program to have a strong practical component. Here, real tasks are studied on-site, so that students become active in real-life examples, providing networking opportunities, valuable experience and outstanding career prospects.

Transport management – for a mobile future!
Transport is currently undergoing significant changes. Mobility and transport plans are increasingly discussed in order to make cities more accessible and sustainable while creating public awareness and increasing acceptability. In addition, the rising share of pedestrians and cyclists may increase the number of conflicts they have with other travel modes.

Nowadays, globalization triggers higher mobility needs, therefore transport must be analyzed using different perspectives. A wide variety of tools and networks assist us to assess mobility needs and to analyze and trigger behavioral changes concerning sustainable mobility.

The Transportation Management Master’s Degree Program at the University of Karlsruhe – University of Applied Sciences works with cutting-edge approaches and technology methods in teaching and applied research both at national and international level.

With different tasks and different application fields, the Transportation Management Degree Program offers multiple options for a professional future, for example:
- Engineering and Transport consultancy companies
- Public transport and rail-oriented companies
- Transport and Planning associations
- Local, regional and national authorities and ministries
- Universities and research institutions
- All areas of mobility management (for example E-mobility)
- Cutting-edge services and technologies
- Transport industry, for example, car industry

The Transportation Management Master’s Degree Program comprises three or four semesters, depending on the amount of credits taken each semester. Transportation is the cornerstone of this master program.

The Transportation Management Master’s Degree Program is accessible to bachelor graduates coming from different fields of study. Therefore, the first semester provides an in-depth knowledge of transport analysis (Lecture and Project) as well as transport planning and traffic engineering (Lecture and practical exercises). In addition, this semester includes soft-skills and a first independent project.

The second semester is a theory module of the transport systems for the different transport modes. The other subjects are divided into two project modules, each with 12 CP according to the ECTS.

The third semester essentially includes the master thesis and the associated final examination. Master students are required to supervise undergraduate students in an Academic report, for example, in the framework of a Research project. Master students also have the opportunity to teaching and get involved in other research activities.

The project modules from the first and second semester are defined in different areas, such as:
- Transport telematics
- Transport economics
- Transport ecology
- Transport safety
- Public transport
- Research and development projects

This master’s degree program distinguishes from others due to its specific profile.

Program content is project-oriented:
- Interdisciplinary teamwork
- Individual specialization focus
- Taking part of real projects in applied research
- Publishing own results in journals
- The best possible preparation for working life

Experience Internationalization through:
- Joint Master with the New Jersey Institute of Technology (NJIT)
- Cooperation with different Universities abroad, such as, University of Waterloo, McGill University, Montreal, UNIFEBE Brusque, University of the Philippines
- Erasmus semester abroad
- Foreign Excursions and Projects

Open to diverse prospective students:
- Graduates in Computer Science and Engineering degree programs in the fields of Mobility, Transport, Logistics, Geodesy, Geography, Civil Engineering, Urban Planning, Electrical Engineering, Mechanical Engineering, Industrial Engineering
- 6- or 7-semester Bachelor University programs