

Welcome to the Faculty of Automotive Systems and Production

Information for Exchange Students

M. Sc. Automotive Engineering



Technology
Arts Sciences
TH Köln

I Important Facts

Mailing address of institution	Technische Hochschule Köln Gustav-Heinemann-Ufer 54 50968 Köln Germany
Official Website	www.th-koeln.de
Mailing address of the Faculty of Automotive Systems and Production	Fakultät für Fahrzeugsysteme und Produktion Campus Deutz Betzdorfer Str. 2 50679 Köln
Website of the Faculty (in German)	https://www.th-koeln.de/fahrzeugsysteme-und-produktion/fakultaet-fuer-fahrzeugsysteme-und-produktion_2464.php
International exchange coordinator	Prof. Dr. Rainer Haas rainer.haas@th-koeln.de +49 221-8275-2342 Office: HO2 108
Administrative Office of the Master's program Automotive Engineering	Ulrike Sagorski ulrike.sagorski@th-koeln.de +49 221-8275-2347
Language of instruction	German / English friendly courses
German language proficiency	B1
Academic calendar	https://www.th-koeln.de/mam/downloads/deutsch/hochschule/fakultaeten/fahrzeugtechnik_und_production/semester_and_exam_periods.pdf
Information for exchange students	https://www.th-koeln.de/en/international_office/exchange-students_21380.php
Module handbooks, study plans, schedules and timetables	https://www.th-koeln.de/studium/fahrzeugtechnik-bachelor--fuer-studierende_2296.php
Deadline for the Final Learning Agreement	4 weeks after semester start, the final Learning Agreement (Learning Agreement During the Mobility) needs to be uploaded (Mobility Online platform)
Examination Periods	There are two examination periods each semester: at the end of the lecture period and at the end of the semester break.

II How to select your courses

Step-by-Step Guide

1. Choose the modules you would like to enrol for

The [module handbook](#) provides you with all the necessary information about your study program. Consult the study plan on page 6 in the handbook to get an overview of the offered modules and the semester in which they take place. Please note that some modules may only be offered in a certain period: *SoSe* corresponds to the summer and *WiSe* to the winter term. An English translation and other useful information can be found in the **List of Modules** on the next page.

2. Consult the general timetable

The [timetables](#) are published approximately one month prior to the beginning of the lectures. If you have difficulties recognising the abbreviations in the timetables, please consult the **List of Modules**.

3. Create your own timetable

You can choose your lectures from the two columns. If you would like to attend courses from different columns, please make sure that they do not overlap.

In addition to the obligatory modules there are optional modules, so called electives (Wahlmodule). Please keep in mind that not all of them are offered in both semesters and that there is a limited number of participants. Those modules are marked as *optional* in the **List of Modules**. International students should enquire free capacity by contacting the lecturers via email. You can find their names in the module handbook and their contact details in the official [list of staff](#) of the TH Köln.

If you need any further information please consult the official website of the study programme [M.Sc. Automotive Engineering](#).

III List of Modules

Modules of M.Sc. Automotive Engineering							
English	Term	CP	Optional/ obligatory	Language of Instruction		Abbr.	
				Lecture	Material		
Adv. Body Engineering and Lightweight Design	summer	6	obligatory	DE	DE/EN	ABE	
Adv. Combustion Engines	summer	4	optional	DE	DE/EN	ACE	
Adv. Materials - Selection and Life Cycle Assessment	winter	6	obligatory	DE/EN	DE/EN	AMT /AM	
Adv. Thermodynamics	winter	4	optional	DE	DE/EN	ATD	
Adv. Vehicle Safety	winter	4	optional	DE	DE/EN	AVS	
Automotive Manufacturing Processes	winter	4	optional	DE/EN	DE/EN	AMP	
Automotive Supply Chain Management	summer	4	optional	EN	EN	ASCM	
Component Design, Materials and Manufacture	winter	4	optional	EN	EN	CDM M	
Control System Design	summer	4	optional	DE	DE/EN	CSD	
Corporate Management	winter	4	optional	DE	EN	CM	
Cost-Efficient Product Design	winter	4	optional	DE/EN	DE/EN	CEPD	
Digital Factory	winter	4	optional	DE	EN	DiFa	
Driver Assistance Systems	winter	4	optional	DE/EN	DE/EN	DAS	
Engineering Ethics	winter	4	optional	DE	DE	EE	
FEA in Body Engineering	winter	4	optional	DE	DE/EN	FEM	
Leadership Application	summer	4	optional	DE/EN	DE/EN	LSA	
Legal Requirements and Homologation	winter	4	optional	DE	DE	LRH	
Mobility Concepts	winter	4	optional	DE	DE/EN	MC	
Modelling of Multi-Body Systems	winter	4	optional	DE	DE/EN	MMS	
Numerical Methods	summer	6	obligatory	DE	EN	NM	
NVH Systems Engineering	summer	4	optional	DE	DE/EN	NVH	
Optimal Control and Estimation	winter	4	optional	DE	DE/EN	OR/ OC	
Statistical Optimization	winter	4	optional	DE	EN	SO/ StO	
Structural Durability	winter	4	optional	EN	EN	SD	
Sustainability	winter	4	optional	DE	DE/EN	SUT	
Technology of Material Flow and Robotics	winter	4	optional	DE	EN	TMFR /MR	
Vehicle Concepts and Integration	summer	6	obligatory	DE	DE/EN	VCI	
Vehicle Dynamics and Automotive Chassis	summer	6	obligatory	DE/EN	DE/EN	VDAC	
Vehicle Dynamics Simulation	winter	4	optional	DE/EN	DE/EN	VDS	
Vehicle Electronics and Communication	summer	6	obligatory	DE/EN	DE/EN	VEC	
Virtual Reality	summer	4	optional	DE	DE/EN	VR	