

APPENDIX B to the Addendum for Double Master's Degrees between Tongji University and Universität Stuttgart

Double Master's Degree Scheme

The attached MACROPLAN depicts the 2.5-year M.E. double degree structure in **Vehicle Engineering and Power Machinery and Engineering at Tongji** and the 2-year M.Sc. double degree structure in **Fahrzeug- und Motorentechnik (Vehicle and Internal Combustion Engine Engineering) at Universität Stuttgart**. It shows the compulsory and elective courses in each semester as well as the prerequisites for students wishing to spend their last 2 semesters at the partner institution.

Semester 1		Semester 2		Semester 3 (Tongji)	Semester 3 (Stuttgart) Semester 4 (Tongji)		Semester 4 (Stuttgart) Semester 5 (Tongji)*	
Tongji students at Tongji	Stuttgart students in Stuttgart	Tongji students at Tongji	Stuttgart students in Stuttgart	Tongji students at Tongji	Tongji students in Stuttgart	Stuttgart students at Tongji	Tongji students in Stuttgart	Stuttgart students at Tongji
An Introduction to Dialectics of Nature, (C) (2 TC)	Kraftfahrzeuge I+II, (C); (6 ECTS)	Modern Control Theory, (E) (3 TC)	Grundlagen der Fahrzeugtechnik, (C) (6 ECTS)	Academic Lectures (1 TC)	Studienarbeit (Project Work), (C) (12 ECTS)	General Introduction to China, (C) (3 TC)		
Foreign Language, (C) (3 TC)	Grundlagen der Fahrzeugantriebe (C); (6 ECTS)	Vehicle System Dynamics, (C) (3 TC)	Simulations- und Versuchstechnik der Fahrzeugantriebe, (C) (6 ECTS)	Internship (6 TC)	Praktische Laborübungen, (C, E) (3 ECTS)	Chinese (Language Course), (C) (3 TC)		
Numerical Analysis, (C) (3 TC)	„Pflichtfach mit Wahlmöglichkeit“, (C, E); (6 ECTS)	Professional Lectures by Faculty, (C) (1 TC)	„Pflichtfach mit Wahlmöglichkeit“, (C, E); (6 ECTS)	Topic Selection of Thesis (1 TC)	Spezielle Kapitel der Fahrzeugtechnik (C, E); (12 ECTS)	Specialisation Courses, (E) (10 TC)		
Professional Foreign Language, (C) (2 TC)	Spezielle Kapitel der Fahrzeugtechnik, (E); (6 ECTS)	Information Retrieval, (C) (1 TC)	Spezielle Kapitel der Fahrzeugtechnik (E); (6 ECTS)		Einführung in die KFZ-Systemtechnik (C,E); (3 ECTS)	or		
Principle and Application of Fuzzy Control, (E) (3 TC)	Spezielle Kapitel der Fahrzeugantriebe, (E); (6 ECTS)		Spezielle Kapitel der Fahrzeugantriebe (E); (6 ECTS)		or	Specialisation Courses, (E) (4 TC)	Master-Thesis (30 ECTS)	Master-Thesis (0 TC)
Intellectual Property Rights, (E) (2 TC)					Baukastenmanagement in der modernen Fahrzeugentwicklung (C, E); (3 ECTS)	Internship, (C, E) (6 TC)		
Guide to Industry Standards, (E) (1 TC)								
Σ TC = 16	Σ ECTS = 30	Σ TC = 8	Σ ECTS = 30	Σ TC = 8	Σ ECTS = 30	Σ TC =16	Σ ECTS = 30	Σ TC = 0*

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Course code: C = compulsory; E = elective; SC = semi compulsory; R = recommended

Outgoing

Incoming