

APPENDIX A 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 (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 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)	Studienarbeit (Project Work), (C) (12 ECTS)	General Introduction to China, (C) (3 TC)		
Foreign Language, (C) (3 TC)	Spezielle Kapitel der Fahrzeugtechnik, (E) (6 ECTS)	Vehicle System Dynamics, (C) (3 TC)	Spezielle Kapitel der Fahrzeugtechnik, (C, E) (6 ECTS)	FMT-Seminar, (C) (3 ECTS)	Chinese (Language Course), (C) (3 TC)		
Numerical Analysis, (C) (3 TC)	Grundlagen der Verbrennungsmotoren, (C) (6 ECTS)	Professional Lectures by Faculty, (C) (1 TC)	Simulations- und Versuchstechnik, (C) (6 ECTS)	Spezielle Kapitel der Fahrzeugtechnik, (C, E) (12 ECTS)	Specialisation Courses, (E) (10 TC)		
Professional Foreign Language, (C) (2 TC)	Spezielle Kapitel der Verbrennungsmotoren, (E) (6 ECTS)	Information Retrieval, (C) (1 TC)	Spezielle Kapitel der Verbrennungsmotoren, (E) (6 ECTS)	Automobiltechnisches Fachpraktikum, (C) (3 ECTS)	or Specialisation Courses, (E) (4 TC)		
Principle and Application of Fuzzy Control, (E) (3 TC)	„Pflichtfach mit Wahlmöglichkeit“, (C, E) (6 ECTS)		„Pflichtfach mit Wahlmöglichkeit“, (C, E) (6 ECTS)		Internship, (C, E) (6 TC)	Master-Thesis (30 ECTS)	Master-Thesis (0 TC)
Intellectual Property Rights, (E) (2 TC)							
Guide to Industry Standards, (E) (1 TC)							
Σ TC = 16	Σ ECTS = 30	Σ TC = 8*	Σ ECTS = 30	Σ ECTS = 30	Σ TC = 16	Σ ECTS = 30	Σ TC = 0*

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

* **Semester 3:** "Required Procedure" **Σ = 8 TC** (Academic Lectures (1 TC), Internship (6 TC), Topic Selection of Thesis (1 TC))