Study Plan - Mechatronic Engineering (MEng) - Model A

Module-ID	Module	CP
Summer Semester		
OPTION 1		
Advanced Courses in Engineering (4 out of 7)		Σ 20 CP
ACT	Advanced Control Theory	5
AUT	Automation	5
CS	Cryptography and IT-Security	5
EPS	Electric Power Systems	5
MEMS	Micro Electro-Mechanical Systems	5
M.DC	Selected Topics on Digital Communications	5
VLSI	VLSI-Design	5
Practical Advanced Course		Σ 10 CP
MP1	Master Project 1 (German or English)	10
OPTION 2		
Advanced Courses in Engineering (4 out of 6)		Σ 30 ECTS
ACT.P	Advanced Control Theory with Project	7,5
AUT.P	Automation with Project	7,5
EPS.P	Electric Power Systems with Project	7,5
MEMS.P	Micro Electro-Mechanical Systems with Project	7,5
M.DC	Selected Topics on Digital Communications with Project	7,5
VLSI.P	VLSI-Design with Project	7,5
	Credits	**30**
Winter Semester		
Advanced Courses in Engineering (3 out of 6)		Σ 15 CP
M.EMT	Emerging Technologies (English)	5
M.BME	Biomedical Electronics (English)	5
M.AR	Advanced Robotics (English)	5
M.RF	Selected Topics on RF Design (English)	5
M.EEM	Entwurf und Technologie elektrischer Maschinen (German)	5
IS2S3	Safety (German)	5
IS2S5	Sichere Implementierung auf Microcontrollern (German)	5
Interdisciplinary Advanced Courses		Σ 10 CP
M.PM	Product Development and Management (English)	5
M.RM	Reserach Methods	5
	Further Modules (from Augsburg TUAS)	0 - 10
Practical Advanced Course		Σ 5 CP
M.PR2	Master Project 2 (German or English)	5
	Credits	**30**
3rd Semester - Thesis		
MA	Master Thesis (German or English)	30
	Credits	**30**
	Total	90

Note: Model A with start of studies in the summer or winter semester

Study Plan - Mechatronic Engineering (MEng) - Model B

Module-ID	Module	CP
Summer Semester		
Advanced Courses in Engineering (4 out of 7)		Σ 30 ECTS
ACT.P	Advanced Control Theory with Project	7,5
AUT.P	Automation with Project	7,5
EPS.P	Electric Power Systems with Project	7,5
M.ECON	Microeconomics	7,5
MEMS.P	Micro Electro-Mechanical Systems with Project	7,5
M.DC	Selected Topics on Digital Communications with Project	7,5
VLSI.P	VLSI-Design with Project	7,5
	Credits	**30**
Winter Semester		
Semester abroad		Σ 30 ECTS
	Required elective modules	
	Credits	**30**
3rd Semester - Thesis		
MA	Master Thesis	30
	Credits	**30**
	Total	90

Note: Model B with start of studies in the summer semester only