

Study Plan - Electrical Engineering (MEng) - Model A

Module-ID	Module	CP
1st Semester (Summer Semester)		
OPTION 1		
Advanced Courses in Engineering (4 out of 6)		± 20 ECTS
M.ACT	Advanced Control Theory	5
M.AU	Automation	5
M.CS	Cryptography and IT-Security	5
M.EPS	Electric Power Systems	5
MEMS	Micro Electro-Mechanical Systems	5
M.DC	Selected Topics on Digital Communications	5
M.VLSI	VLSI-Design	5
Practical Advanced Course		± 10 ECTS
M.PR1	Master Project 1 (German or English)	10
OPTION 2		
Advanced Courses in Engineering (4 out of 6)		± 30 ECTS
M.ACT	Advanced Control Theory with Project	7,5
M.AU	Automation with Project	7,5
M.EPS	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
M.VLSI	VLSI-Design with Project	7,5
Credits		30
2nd Semester (Winter Semester)		
Advanced Courses in Engineering¹ (3 out of 6)		± 15 ECTS
M.EMT	Emerging Technologies (English)	5
M.BME	Biomedical Electronics (English)	5
M.AR	Advanced Robotics (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		± 10 ECTS
M.PM	Product Development and Management (English)	5
M.RM	Research Methods	5
	Further Modules (from Augsburg TUAS)	0 - 10
Practical Advanced Course		± 5 ECTS
M.PR2	Master Project 2 (German or English)	5
Credits		30
3rd Semester - Thesis (Summer Semester)		
MA	Master's Thesis (German or English)	30
Credits		30
Total		90

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

¹Additional advanced courses may be offered in the 2nd semester

Study Plan - Electrical Engineering (MEng) - Model B

Module-ID	Module	CP
1st Semester (Summer Semester)		
Advanced Courses in Engineering (4 out of 5)		≥ 30 ECTS
M.ACT	Advanced Control Theory with Project	7,5
M.AU	Automation with Project	7,5
M.EPS	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
M.VLSI	VLSI-Design with Project	7,5
Credits		30
2nd Semester (Winter Semester)		
Semester abroad		≥ 30 ECTS
	Required elective modules	
Credits		30
3rd Semester - Thesis (Summer Semester)		
MA	Master's Thesis (German or English)	30
Credits		30
Total		90

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