

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
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.CS	Cryptography and IT-Security with Project	7,5
M.EPS	Electric Power 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 Engineering ¹ (3 out of 6)		± 15 ECTS
M.EMT	Emerging Technologies (English)	5
	Biomedical Electronics (English)	5
	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	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
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