

**Masterstudiengang Management and Engineering in Computer Aided Mechanical Engineering
an der RWTH Aachen (IntAc)**
PO 2017 - Stand: 26.02.2019

Compulsory Courses											
Modulverantwortliche	Dozenten	Module	Σ CP	V	Ü/L	Σ SWS	Sommer / Winter	Σ CP	Σ SWS	Σ CP	Σ SWS
Engineering											
Itskov	Itskov	Advanced Finite Element Methods for Engineers	5	2	2	4	w	5	4	44	32
Jeschke, S.	Jeschke, S.	Advanced Software Engineering	5	2	2	4	w	5	4		
Itskov	Itskov / Schmid	Continuum Mechanics	6	2	2	4	s	6	4		
Conves	Conves	Multibody Dynamics	5	2	2	4	s	5	4		
Schmidt	Schmidt	Nonlinear Structural Mechanics	5	2	1	3	s	5	3		
Ban	Ban	Numerical Methods in Mechanical Engineering	7	3	2	5	w	7	5		
Heider / Markert	Heider / Markert	Reliable Simulation in the Mechanics of Materials and Structures	6	2	2	4	s	6	4		
N.N.	N.N.	Simulation of Discrete Event Systems	5	2	2	4	w	5	4		
Management - RWTH Aachen											
Brettel	Brettel	Entrepreneurial Strategy	5	3	2	5	w	5	5	15	15
Letmathe	Letmathe	Finance and Accounting	5	3	2	5	s	5	5		
Piller	Piller	Innovation Management	5	3	2	5	s	5	5		
Management - MSM Maastricht											
N.N.	N.N.	Economics for Managers	5	2	2	4	w	5	4	30	24
N.N.	N.N.	International Business	5	2	2	4	w	5	4		
N.N.	N.N.	International Project Management	5	2	2	4	w	5	4		
N.N.	N.N.	Leadership and High Performance Teams	5	2	2	4	w	5	4		
N.N.	N.N.	Organizational Development & Change	5	3	1	4	w	5	4		
N.N.	N.N.	Professional Negotiation Skills and Management of Conflicts	5	2	2	4	w	5	4		
General											
N.N.	N.N.	German Language Course	2	2	0	2	sw	2	2	2	2
Master thesis											
N.N.	N.N.	Master Thesis	25	-	-	-	sw	25	0	25	0

Elective Courses											
Modulverantwortliche	Dozenten	Module	Σ CP	V	Ü/L	Σ SWS	Sommer / Winter	Σ CP	Σ SWS	Σ CP	Σ SWS
Kampker	Kampker	Factory Planning	5	2	2	4	s	5	4	4	*
Klocke	Klocke	High Precision Glass Optics Manufacturing	5	2	2	4	w	5	4		
Klocke	Klocke	Manufacturing Technology II	5	2	2	4	s	5	4		
Simon	Simon	Mechanics of Engineering Materials	5	2	1	3	s	5	3		
Schulz	Schulz	Modelling, Model Reduction and Simulation in Lasers Processing - Design	5	2	2	4	s	5	4		
Reisgen	Reisgen	Welding and Joining Technologies	5	2	2	4	s	5	4		

* The total amount of weekly contact hours (SWS) depends on the modules selected.