

	Example study paths for track "Computational Engineering"	CMS Track	Contents of COR modules that should be priority known or selected	CMS-CE-EL1 (8 SWS)	CMS-CE-EL2 (12 SWS)	Comment
1	Electronics	CE	CMS-COR-MLD CMS-COR-NUM CMS-COR-SAP	Elektromechanical Networks (WS) Theory of Nonlinear Networks (WS) Coupled Simulation and Realtime Simulation (WS)	Modeling and characterization of nanoelectronic devices (SS) Elektronische Bauelemente (WS) Numerische Bauelementesimulation (WS)	Lectures partly in german
2	Machine Learning and Visualization	CE	CMS-COR-MLD CMS-COR-HPC CMS-COR-FAI	Computer Graphics 1 (WS) Computer Vision 1 (WS)	Machine Learning 2 (SS) User Interface Engineering (WS) Data Visualization (WS)	not in combination with CMS-COR-VIZ possible
3	Software Engineering	CE	CMS-COR-SSE CMS-COR-HPC CMS-COR-MLD	Scientific Programming - Fortgeschrittene Aspekte (WS) Machine Learning 2 (SS)	Particle Methods (SS) Optical Computing (WS) Electromechanical networks (WS)	
4	Mechanics	CE	CMS-COR-MLD CMS-COR-HPC CMS-COR-SED	Systemdynamik (SS) Coupled Simulation and Realtime Simulation (WS) Multibody Dynamics - Practical Exercise (SS/WS)	Machine Learning 2 (SS) Electromechanical networks (WS) Computer Vision 1 (WS) Wissenschaftliches Programmieren (SS)	Lectures partly in german