

Master's Program Course List

Course Category		Course Name	Year	Credits	
				Mandatory	Elective
Specialized Courses	Core Courses	Advanced Mechanical Electrical Systems Engineering	1	2	
		Physics and Chemistry of Electronic Materials	1		2
		MEMS Technology and Materials	1		2
		Wind Power Technology	1		2
		Computer Mathematics for Graduate Engineers	1		2
		Advanced Robotics	1		2
	Advanced Courses	Advanced Computational Materials Science	2		2
		Enabling Technologies of Solid-State Power Conversion	2		2
		Computer-Aided Design of Semiconductor Power Devices and Modules	2		2
		Scripting Languages and Virtual Machines	2		2
		Theory of System Design	2		2
		Remote Sensing	2		2
Research Activity Courses	Fundamental Research	Advanced Exercise I for Master's Program	1	2	
		Advanced Exercise II for Master's Program	1	2	
		Advanced Exercise III for Master's Program	2	2	
		Advanced Exercise IV for Master's Program	2	2	
	Practical Research	Advanced Research I for Master's Program	1	2	
		Advanced Research II for Master's Program	1	2	
		Advanced Research III for Master's Program	2	2	
		Advanced Research IV for Master's Program	2	2	
Scientific English Courses	Scientific English I	1	2		
	Scientific English II	1	2		