

Information Technology Specialization in Pervasive Computing

The following table represents an example for a specialization in Pervasive Computing (research track) of the master study Information Technology.

A different selection of courses is possible.

If you are interested in pursuing a specialization in Pervasive Computing please contact us.

	Course	Type	Hours	ECTS	Subject
Sem1	Pervasive Computing	VK	2	4	1
	Digital Signal Processors	VK	2	4	1
	Digital Signal Processors, Lab	KU	2	3	1
	Seminar	SE	2	4	2
	Mobile and Wireless Systems 1	VK	2	4	2
	Language course		2	2	5
	Writing & Presentation skills		2	2	5
	Elective Course		2	4	6
Semester total			16	27	
Sem2	Advanced Topics in Pervasive Computing	VK	2	4	1
	Research Seminar in Pervasive Computing	SE	2	6	1
	Artificial Vision	VO	2	4	4
	Mobile and Wireless Systems 2	VK	2	4	3
	Transportation Telematics I	VK	2	4	3
	ICT-Lab	KU	2	3	3
	"Softskills"		2	2	5
	Elective course II		2	4	6
Semester total			16	31	
Sem3	Pervasive Computing Lab	KU	2	3	1
	Research Project in Pervasive Computing	KU	8	12	4
	Signal Processing Architectures	VK	2	4	2
	Embedded Communication	VK	2	4	3
	Network Simulation Lab	KU	2	3	3
	"Research course"		2	2	4
Semester total			18	28	
Sem4	Master Thesis			24	7
	Privatissimum for Master and PhD students		2	6	7
	Elective course III		2	4	6
Semester total				34	

Focus	24
Supplement I	12
Supplement II	18
Methodical (Research)	18
Competence	6
Elective courses	12
Master thesis	30