Course of Study Microelectronics and Microsystems (Study Cohort w22)

Legend:

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Sample course plan N Master Microelectronics and Microsystems (IMPMM)

Specialisation Microelectronics Complements

LP: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

Column 1

Module	Course	Type	SWS
Microsystem Engineering	Microsystem Engineering	VL	2
	Microsystem Engineering	PBL	2
Microsystems Technology in Theory and Practice	Microsystems Technology	VL	2
	Microsystems Technology	PBL	2
Integrated Circuit Design	Integrated Circuit Design	VL	3
	Integrated Circuit Design	GÜ	1
Digital Circuit Design (part 1)	Digital Circuit Design	VL	2

Column 2

Module	Course	Type	SWS
Microsystem Design	Microsystem Design	VL	2
	Microsystem Design	PR	3
Semiconductor Technology	Semiconductor Technology	VL	4
	Semiconductor Technology	PR	2
Advanced IC Design	Advanced IC Design	VL	2
	Advanced IC Design	PBL	2
Digital Circuit Design (part 2)	Advanced Digital Circuit Design	VL	2

Column 3

Module	Course	Type	SWS
Project Work IMPMM			
Seminar for IMPMM	Seminar for IMPMM	SE	2
Mixed-signal Circuit Design	Mixed-signal Circuit Design	VL	2
	Mixed-signal Circuit Design	PBL	2
Laboratory: Analog Circuit Design	Laboratory: Analog Circuit Design	PBL	2

Column 4

Master Thesis

Business & Management (from catalogue) - 6LP

Non-technical Courses for Master (from catalogue) - 6LP

Technical Elective Complementary Course for IMPMM - field ET (according to Subject Specific Regulations) - 6LP

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.