Computer Science for Autonomous Systems MSc
Fall semester

Code	Courses	Subject requirement	Lecture (L)	Exam (E)	Practice (Pr)	Practice Grade (PG)	Consultation	Credit	Semester	1st Semester	2nd Semester	3rd Semester	4th Semester
IPM-18AUTSTEG	Software Technology		2	X	2		1	5	1	2+2+1			
IPM-18AUTPME	Project Management		2	E				2	1	2+0+0			
IPM-18AUTPHFTG	Human Factors in Traffic Environment				2	PG		2	1	0+2+0			
IPM-18AUTLFADE	Legal Framework for Autonomous Driving		2	E				2	1	2+0+0			
IPM-18AUTDAAEG	Design and Analysis of Algorithms		2	X	2		1	5	1	2+2+1			
IPM-18AUTISPE	Image and Signal Processing		2	E				2	1	2+0+0			
IPM-18AUTISPG	Image and Signal Processing				2	PG	1	3	1	0+2+1			
IPM-18AUTCVEG	3D Computer Vision		2	X	2		1	5	1	2+2+1			
IPM-18AUTIVSEG	Introduction to Vehicles and Sensors		2	X	1		1	4	1	2+1+1			
IPM-18AUTSOTEG	Software Testing	IPM-18AUTSTEG	2	X	2		1	5	2		2+2+1		
IPM-18AUTERTSEG	Embedded and Real-Time Systems		2	X	2		1	5	2		2+2+1		
IPM-18AUTAIPAEG	Artifical Intelligence in Processes and Automation		2	X	2		1	5	2		2+2+1		
IPM-18AUTDMSSEG	Data Mining in Smart Systems		2	X	2		1	5	2		2+2+1		
IPM-18AUTNMEG	Numerical Methods for Optimization and Control Theory		2	X	2		1	5	2		2+2+1		
IPM-18AUTCGE	Computer graphics		2	E				2	2		2+0+0		
IPM-18AUTCGG	Computer graphics				2	PG	1	3	2		0+2+1		
IPM-18AUTADLEG	Applied Deep Learning	IPM-18AUTAIPAEG, IPM-18AUTISPE, IPM-18AUTNMEG	2	X	2		1	5	3			2+2+1	
IPM-18AUTSCTE	System and Control Theory		2	E				2	3			2+0+0	
IPM-18AUTSCTG	System and Control Theory				2	PG	1	3	3			0+2+1	
IPM-18AUTIVPEG	Image and Video Processing		2	X	2		1	5	3			2+2+1	
IPM-18AUTSSFEG	3D Sensing and Sensor Fusion		2	X	2		1	5	3			2+2+1	

IPM-18AUTTHESIS	**Thesis consultation**				5	PG	10	30	4				signiture
	Electives:												
IPM-18AUTEPROGEG	Programming		2	X	2		1	5	3			2+2+1	
IPM-18AUTEFIMEG	Foundation of Industrial Mathematics		2	X	2		1	5	3			2+2+1	
IPM-18AUTESISE	Spatial Information Systems		2	E				2	3			2+0+0	
IPM-18AUTESASEG	Security of AuTonomous Systems		2	X	2		1	5	3			2+2+1	
IPM-18AUTECRSEG	Cognitive Robotic Systems	IPM-18AUTAIPAEG, IPM18AUTDMSSEG	2	X	2		1	5	3			2+2+1	
IPM-18AUTEDSEG	Distributed Systems		2	X	2		1	5	3			2+2+1	
	Electives in semesters											10	
	Summa credit in semester									30	30	30	30
	Summa credit							120					