

Table I – Module Plan / General Course Plan – for ASC Batch 2021/22 and later

Type of Module	ECTS	Module (Course Name or Module Class)	ECTS in Semester			
			1 st	2 nd	3 rd	4 th
Mandatory Modules (50 ECTS)	5	Mathematical Optimization for Communications and Signal Processing	5			
	5	Information Theory and Coding	5			
	5	Statistical Signal Processing	5			
	5	Machine Learning in Signal Processing	5			
	5	Deep Learning		5		
	2.5	Game Theory with Applications to Information Engineering		2.5		
	2.5	Selected Topics in ASC		2.5		
	5	Kick-off Seminar (Winter School, Summer School)	2.5	2.5		
	15	Research Project (Major)			15	
Mandatory-Elective Modules (20 ECTS)	15	From “ Technical Mandatory-Elective Courses ” (Table II)		15		
	5	From “ Technical Lab Courses ” (Table II)	2.5		2.5	
Elective Modules (20 ECTS)	5	From “ Nontechnical Elective Courses ” (Table II)	5			
	15	From “ Technical Elective Courses ” (Table II)			15	
Master’s Thesis	30					30
TOTAL SUM	120		30	27,5	32,5	30