

## Advanced Signal Processing & Communications Engineering (ASC)

Version  
Batch WS  
20/21

### Study Plan for the Elite Master's Degree Programme Advanced Signal Processing & Communications Engineering (ASC)

In each of the first three semesters before the start of the lecture period, students shall submit a study plan for the coming semester to the ASC office. It has to be approved by their mentor and contain all signatures. Before the first and second semester the mandatory elective and elective modules must be chosen and included into the study plan.

**In each semester the additions will be supplemented while the former items must remain!** Changes to a student's study plan have to be recommended by the mentor and subsequently receive the final approval from the Admission Committee.

Before the third semester the topics and supervisors of the research projects must be chosen and added to the study plan. Each project and later on the Master's thesis have to be described with at least 200 words.

**Please note that this concept is a binding version and later alterations require the consent of the Admission Committee.**

Current Semester	Semester Start of Studies	# Sem	Matriculation Number
Last Name	First Name	Graduated from	

## Signatures

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Full Name: \_\_\_\_\_

Full Name: \_\_\_\_\_

Function: STUDENT

Function: MENTOR

## Study Plan

## Course Plan

Type of Module	Standard Semester Sem-x (WS/SS)	Module Name	ECTS	Planned Semester Sem-x (WS/SS)	Course Passed MM-YYYY
Mandatory Modules (50 ECTS)	Sem-1 (WS)	Mathematical Optimization for Communications and Signal Processing	5		
	Sem-1 (WS)	Information Theory and Coding	5		
	Sem-1 (WS)	Statistical Signal Processing	5		
	Sem-1 (WS)	Game Theory with Applications to Information Engineering	5		
	Sem-1 (WS)	Machine Learning in Signal Processing	5		
	Sem-2 (SS)	Selected Topics in ASC	5		
	Sem-1 (WS) Sem-2 (SS)	Kick-off Seminar, Winter School & Summer School	5		
	Sem-3 (SS)	Research Project (Major)	15		
Technical Mandatory-Elective Courses (15 ECTS)					
Technical Lab Courses (5 ECTS)					
Nontechnical Elective Courses (5 ECTS)					
Technical Elective Courses (15 ECTS)					
Master's Thesis	Sem-4 (SS)		30		

## Research Project(s)

Module	Supervisor and Topic *
Research Project (Minor) - optional (ECTS towards Technical Mandatory- Elective Courses)	
Research Project (Major) (ECTS towards Mandatory Modules)	

\* Use this table to state your plans at the beginning of the 3<sup>rd</sup> semester at the latest. Fill in the additional "Project Form" with the final title and other details to state your final plans BEFORE you actually start your project work.

## Study Plan Comments