Study Plan

Semester 1 (30 CP)	**Semester 2** (30 CP)	**Semester 3** (30 CP)	**Semester 4** (30 CP)
Advanced Mathematics (6 CP)	**Characterisation Techniques in Material Science** (6 CP)	*Specialization elective area* (6 CP)	**Thesis** (30 CP)
Sustainable Electromagnetic Materials and Devices (6 CP)	*Specialization elective area* (6 CP)	*Specialization elective area* (6 CP)	
Computer Science for Engineers (6 CP)	*Specialization elective area* (6 CP)	*Elective area 1* (6 CP)	
Communications Technology (6 CP)	*Elective area 1* (6 CP)	*Elective area 2* (6 CP)	
Electromagnetic Theory I (6 CP)	*Elective area 2* (6 CP)	**Seminar – SMS** (6 CP)	

Elective Areas

Materials and Fundamentals	Devices, Circuits and Systems	Information System and Science
Two-dimensional Materials: Properties and Applications	Integrated High-Frequency Circuits in Communication Technology	Information Processing
Advanced Thin Film Technologies	Electromagnetic Compatibility of Technical Systems	Multidimensional Signals and Systems
Organic Electronics	Reliability of Electronic Devices and Systems	Applied Machine Learning
Synthesis and Analysis of Functional Material Layers	Microcharacterization of Materials and Electronic Components	Deep Learning
Super Conductivity I + II	Efficient Use of Energy	Advanced Cryptography
Additive Manufacturing	Terahertz Electronics and Photonics	Communication Security for Modern Applications
Functional Printing	Chip Design - Layout and Simulation	Computational Electromagnetics 1
Project Materials and Fundamentals	Project Devices, Circuits and Systems	Project Information System and Science