C›ONSTRUCTOR
UNIVERSITY

Electrical and Computer Engineering (180 CP)

	CHOICE / CORE / CAREER			3 x 45 = 135 CP	CONSTRUCTOR Track 45 CP	
3rd Year **CAREER**	**Bachelor Thesis / Seminar** m, 15 CP			**Summer Internship / Start-Up (after 2nd year)** m, 15 CP	**Argumentation, Data Visualization and Communication**** m, 5 CP	**Agency, Leadership & Accountability OR Community Impact Project** me, 5 CP
	Specialization I me, 5 CP	**Specialization II** me, 5 CP	**Specialization III** me, 5 CP			**Linear Model and Matrices OR Complex Problem Solving** me, 5 CP
2nd Year **CORE**	**Digital Signal Processing** m, 7.5 CP	**Information Theory** me, 5 CP	**PCB design and measurement automation** m, 5 CP	**Wireless Communication** m, 5 CP	**Numerical Methods** m, 5 CP	**Causation / Correlation**** m, 2.5 CP
	Signals and Systems m, 7.5 CP	**Electromagnetics** m, 5 CP	**Electronics** m, 5 CP	**Communications Basics** m, 5 CP	**Probability and Random Processes** m, 5 CP	**Logic**** m, 2.5 CP
1st Year **CHOICE**	**General Electrical Engineering II** m, 7.5 CP	**Digital Systems and Computer Architecture** m, 7.5 CP	**Foundations of Communications and Electronics** m, 7.5 CP		**Matrix Algebra and Advanced Calculus II** m, 5 CP	**German / Humanities** me, 2.5 CP
	General Electrical Engineering I m, 7.5 CP	**Programming in C and C++** m, 7.5 CP	**Classical Physics** m, 7.5 CP		**Matrix Algebra and Advanced Calculus I** m, 5 CP	**German / Humanities** me, 2.5 CP

Minor Option in ECE (30 CP)

CP: Credit Points

m: mandatory
me: mandatory elective

Study abroad Option in 5th Semester (22.5 CP)

**Different module perspectives available