

Schematic Study Plan for ECE

BSc Electrical and Computer Engineering (180 CP)						
Year 3	Bachelor Thesis and Seminar (m, 15 CP)				Big Questions (me, 5 CP)	Big Questions (me, 2.5 CP)
	Study Abroad Option (22.5 CP)				Community Impact Project (m, 5 CP)	Big Questions (me, 2.5 CP)
	Specialization (me, 3 x 5 CP)					
Year 2	Internship/Start-Up (m, 15 CP)					
	CORE* Digital Signal Processing (m, 7.5 CP)	CORE Information Theory (me, 5 CP)	CORE PCB design and measurement automation (m, 5 CP)	CORE Wireless Communication (m, 5 CP)	Methods/Skills Numerical Methods (m, 5 CP)	Language (me, 2.5 CP)
	INTERSESSION: CORE Communications Basics (m, 5 CP)					
	CORE* Signals and Systems (m, 7.5 CP)	CORE Electromagnetics (m, 5 CP)	CORE Electronics (m, 5 CP)		Methods/Skills Probability and Random Processes (m, 5 CP)	Language (me, 2.5 CP)
Year 1	CHOICE* General Electrical Engineering II (m, 7.5 CP)	CHOICE Intro. Robotics and Intel. Systems Applied Mathematics (me, 7.5 CP)	CHOICE Introduction to Computer Sciences (m, 7.5 CP)		Methods/Skills Calculus and Elements of Linear Algebra II (m, 5 CP)	Language (me, 2.5 CP)
	CHOICE* General Electrical Engineering I (m, 7.5 CP)	CHOICE Programming in C and C++ (m, 7.5 CP)	CHOICE Classical Physics (m, 7.5 CP)		Methods/Skills Calculus and Elements of Linear Algebra I (m, 5 CP)	Language (me, 2.5 CP)
Area	CHOICE / CORE 90 CP				JACOBS TRACK 45 CP	

* mandatory for minor students
 m = mandatory
 me = mandatory elective