		DC												-
Electric	al and Computer Engineering (ECE)) BSc												
Matriculation	Coll 2020													
Matriculation	Deserve Constitute Madelan	T		Product	a 1	6		Is as he Tay als Metholes (Community is a stress)	T		Dealed	a 1	e	CD
	Program-Specific Modules	Type	Assessment	Period	Status [,]	sem. Cr		Jacobs Track Modules (General Education)	Туре	Assessment	Period	Status	Sem.	Cr
Year 1 - CHC	DICE					45								15
Take the mandato	ry CHOICE modules listed below, this is a requirement for the ECE program.													
	Unit: General Electrical Engineering (Default minor)					15	_	Unit: Methods / Skills						10
CH-210	Module: General Electrical Engineering I	T .	TTT 1		m	1 7.5	JTMS-MAT-09	Module: Calculus and Elements of Linear Algebra I			1 10 1 2 1 1	m	1	5
CH-210-A	General Electrical Engineering Leb I	Lecture	Written exam	Examination period	1	25	J1MS-09	Calculus and Elements of Linear Algebra I	Lecture	Written exam	Examination period			
СН-210-В	Module: Coneral Electrical Engineering II (pre-requisites GenEE I)	Lao	Lab report	During the semester	m	2.5	ITMS.MAT.10	Module: Calculus and Elements of Linear Algebra II				m	2	5
CH-211-A	General Electrical Engineering II Lecture	Lecture	Written exam	Examination period		5	JTMS-10	Calculus and Elements of Linear Algebra II	Lecture	Written exam	Examination period			
CH-211-B	General Electrical Engineering Lab II	Lab	Lab report	During the semester	-	2.5		0			1			
						15		Unit: Language				m		5
CH-230	Module: Programming in C and C++				m	1 7.5		German is the default language. Native German speakers take modu	iles in another offe	ed language.				
CH-230-A	Programming in C and C++	Lecture	Writton aromination	Examination pariod		2.5								
CH-230-A	Programming in C and C++ Tutorial	Turorial	written examination	Examination period		5	JTLA	Module: Language 1				m	1	2.5
Take one of the tw	o listed mandatory elective CHOICE modules:						JTLA-xxx	Language 1	Seminar	Various	Various	me		
CH-220	Module: Introduction to Robotics and Intelligent Systems				me	2 7.5	JTLA	Module: Language 2				m	2	2.5
CH-220-A	Introduction to Robotics and Intelligent Systems	Lecture	Written exam	Examination period		5	JTLA-xxx	Language 2	Seminar	Various	Various	me		
СН-220-В	Module: Applied Mathematics	Lao	Lab report		me	2.5								
CH-202-A	Advanced Calculus	Lecture	Written exam		ше	2 1.3								
CH-202-R CH-202-B	Numerical Software Lab	Lab	Lab report	Examination period		2.5								
	Unit: CHOICE (own selection)		*			1/2 15								
Take two further (CHOICE modules from those offered for all other study programs ²													
Year 2 - COF	E													
Take all CORE m	odules listed below					45								15
	Unit: Signal Processing (Default minor)					15		Unit: Methods / Skills						10
CO-520	Module: Signals and Systems				m	3 75	JTMS-MAT-12	Module: Probability and Random Processes				m	3	5
CO-520-A	Signals and Systems Lecture	Lecture	Written exam	Examination period		5	JTMS-12	Probability and Random Processes	Lecture	Written exam	Examination period			
CO-520-B	Signals and Systems Lab	Lab	Lab report	During the semester	-	2.5					·			
CO-521	Module: Digital Signal Processing				m	4 7.5	JTMS-MAT-13	Module: Numerical Methods				m	4	5
CO-521-A	Digital Signal Processing Lecture	Lecture	Written exam	Examination period		5	JTMS-13	Numerical Methods	Lecture	Written exam	Examination period			
CO-521-B	Digital Signal Processing Lab	Lab	Lab report	During the semester		2.5		¥7.1. ¥						-
	Unit: Communications					10	-	Unit: Language	1 1 1 0					5
CO-522	Module: Communications Basics			<u> </u>	m	3 5		German is the default language. Native German speakers take modu	iles in another offer	red language.				
CO-522-A	Communications Basics Lecture	Lecture	Written exam	Examination period		2.5	JTLA	Module: Language 3	Cominan	Maniana	Variana	m	3	2.5
СО-522-В	Modulo: Windows Communication	Lao	Lab report	During the semester		4 5	JILA-XXX	Language 3 Modulos Longuage 4	Seminar	various	v arious	m	4	2.5
CO-523-A	Wireless Communication I	Lecture	Written exam	Examination period		4 3	ITLA-XXX	Language 4	Seminar	Various	Various	me	-	2.5
	Unit: Electromagnetics and Information Theory	Lecture		- Examination period		10	J I LA I AAA	Lunguage	bennin	v ur louis	v arrous	inc		2.0
CO-524	Module: Electromagnetics				m	3 5								
CO-524-A	Electromagnetics	Lecture	Written exam	Examination period		5								
CO-525	Module: Information Theory				m	4 5								
CO-525-A	Information Theory	Lecture	Written exam	Examination period		5								
	Unit: Hardware					10								
CO-526	Module: Electronics			1	m	3 5								
CO-526-A	Electronics Lecture	Lecture	Written exam	Examination period		2.5								
CO-526-B	Electronics Lab	Lab	Lab report	During the semester		2.5								
CO-527	Module: PCB design and measurement automation		Writton aram	Examination pariod	m	4 5								
CO-527-A	PCB design and measurement automation	Lab	Lab report	During the semester		5								
Year 3 - CAR	EER			During the semester										
10010 0.11						45								15
CA-INT-900	Module: Internship / Startup and Career Skills				m	4/5 15		Unit: Big Questions						10
CA DIT 000.0		A		th				MILL P. O. C.						
CA-IN1-900-0	Internship / Startup and Career Skills	Internship	Report or Businessplan	During the 5 th semester		15	JTBQ	Module: Big Questions				m	5/6	
CA-ECE-800	Module: Thesis / Seminar ECE				m	6 15	Take a total of 10 C	CP of Big Questions modules with each 2.5 - 5 CP	Lecture	Various	Various	me		10
CA-ECE-800-T	Thesis ECE	Thesis	Thesis	15th of May		12		Unit: Community Impact Project						5
CA-ECE-800-S	Seminar ECE	Seminar	Presentation	During the semester		3	JTCI-CI-950	Module: Community Impact Project				m	5	5
	Unit: Specialization ECE				m	15	JTCI-950	Community Impact Project	Project	Project	Examination period			
Take a total of 15	CP of specializatopn modules													
CA-S-ECE-801	Wireless Communication II	Lecture	Written exam	Examination period	me	5 5								
CA-S-ECE-802	Coding Theory	Lecture	Written exam	Examination period	me	5 5								
CA-S-ECE-803	Digital Design	Lecture/Lab	Written exam	Examination period	me	5 5								
CA-S-ECE-804	Radio-Frequency (RF) Design	Lecture	Written exam	Examination period	me	6 5								
Total CP														180
Status (m = m	andotomi, ma = mandatami alaatiya)													

2 For a full listing of all CHOICE / CORE / CAREER / Jacobs Track modules please consult the CampusNet online catalogue and /or the study program handbooks.