	al and Computer Engineering (ECF	DSC (L											
riculation													
	Program-Specific Modules	Туре	Assessment	Period	Status ¹ Sei	n. CP		Jacobs Track Modules (General Education)	Туре	Assessment	Period	Status ¹	_
r 1 - CH(45							
e the mandat	tory CHOICE modules listed below, this is a requirement for the ECE progr Unit: General Electrical Engineering (default minor)	ram.				15		Unit: Methods / Skills					
I-210	Module: General Electrical Engineering I					15 7.5	JTMS-MAT-09	Module: Calculus and Elements of Linear Algebra I				***	_
I-210 I-210-A	General Electrical Engineering I General Electrical Engineering I Lecture	Lecture	Written exam	Examination period	<u>m 1</u>	7.5 5	JTMS-MA1-09 JTMS-09	Calculus and Elements of Linear Algebra I	Lecture	Written exam	Examination period	m	_
I-210-IX	General Electrical Engineering Lab I	Lab	Lab report	During the semester		2.5	J 11v15-07	Calculus and Elements of Elifeat Algebra 1	Lecture	Witten exam	Examination period	1	
H-211	Module: General Electrical Engineering II (pre-requisites GenEE I)	240		2 umg une semester	m 2	7.5	JTMS-MAT-10	Module: Calculus and Elements of Linear Algebra II				m	Ì
H-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		
I-211-B	General Electrical Engineering Lab II	Lab	Lab report	During the semester		2.5							
						30		Unit: Language				m	
H-230	Module: Programming in C and C++				m 1	7.5		German is the default language. Native German speakers take mo	dules in another off	ered language.			
[-230-A	Programming in C and C++	Lecture	Written examination	Examination period		2.5	TIDY A	M 11 T 4					
I-230-A I-140	Programming in C and C++ Tutorial Module: Classical Physics	Turorial	Practical Assessment	During the semester	m 1	7.5	JTLA JTLA-xxx	Module: Language 1 Language 1	Seminar	Various	Various	m me	4
I-140 I-140-A	Classical Physics	Lecture	Written exam	Examination period	m 1	5	J I L/A-AAA	Language 1	Seninar	v ai ious	v al lous	me	
I-140-A I-140-B	Classical Physics Lab	Lab	Lab report	During the semester		2.5							
I-232	Module: Introduction to Computer Science		F		m 2								
I-232-A		Lecture	Written examination	Examination period			JTLA-xxx	Module: Language 2				m	
	Introduction to Computer Science						JTLA-xxx	Language 2	Seminar	Various	Various	me	
H-220	Module: Introduction to Robotics and Intelligent Systems	•	337 *		me 2	7.5							
I-220-A I-220-B	Introduction to Robotics and Intelligent Systems Introduction to Robotics and Intelligent Systems Lab	Lecture Lab	Written exam Lab report	Examination period		5 2.5							
1-220-В I-202	Introduction to Robotics and Intelligent Systems Lab Module: Applied Mathematics	Lab	Lao report		me 2	7.5							
H-202-A	Advanced Calculus	Lecture	Written exam		inc 2	5							
I-202-B	Numerical Software Lab	Lab	Lab report	Examination period		2.5							_
ar 2 - COI													
	nodules listed below					45							
	Unit: Signal Processing (default minor)					15		Unit: Methods / Skills					Í
)-520	Module: Signals and Systems				m 3	7.5	JTMS-MAT-12	Module: Probability and Random Processes				m	
0-520-A	Signals and Systems Lecture	Lecture	Written exam	Examination period		5	JTMS-12	Probability and Random Processes	Lecture	Written exam	Examination period		
D-520-B	Signals and Systems Lab	Lab	Lab report	During the semester		2.5							_
)-521	Module: Digital Signal Processing	.	W7 ***	l p i a i a	<u>m 4</u>	7.5	JTMS-MAT-13	Module: Numerical Methods	T	XX.:44	Transition 1	m	1
O-521-A O-521-B	Digital Signal Processing Lecture Digital Signal Processing Lab	Lecture Lab	Written exam Lab report	Examination period During the semester		5 2.5	JTMS-13	Numerical Methods	Lecture	written exam	Examination period]	
, 221-D	Unit: Communications	Lau	Lao report	During the semester		10		Unit: Language					į
D-522	Module: Communications Basics				m 3			German is the default language. Native German speakers take mo	dules in another off	ered language			1
)-522-A	Communications Basics Lecture	Lecture	Written exam	Examination period		2.5	JTLA	Module: Language 3				m	į
D-522-B	Communications Basics Lab	Lab	Lab report	During the semester		2.5	JTLA-xxx	Language 3	Seminar	Various	Various	me	4
) -523	Module: Wireless Communication		•	-	m 4		JTLA	Module: Language 4				m	
)-523-A	Wireless Communication I	Lecture	Written exam	Examination period		5	JTLA-xxx	Langauge 4	Seminar	Various	Various	me	
) 524	Unit: Electromagnetics and Information Theory					10							
O-524 O-524-A	Module: Electromagnetics Electromagnetics	Lecture	Written exam	Examination period	m 3	5							
)-525	Module: Information Theory	Lecture	WHITE CARIT	Examination period		5							
O-525-A	Information Theory	Lecture	Written exam	Examination period		5							
	Unit: Hardware			, and the period	•	10							
)-526	Module: Electronics				m 3	5							
D-526-A	Electronics Lecture	Lecture	Written exam	Examination period		2.5							
)-526-B	Electronics Lab	Lab	Lab report	During the semester		2.5							
)-527	Module: PCB design and measurement automation				m 4	5							
D-527-A	PCB design and measurement automation	Lab	Written exam	Examination period		5							
ear 3 - CAF	•		Lab report	During the semester									
ar o CAI						45							
-INT-900	Module: Internship / Startup and Career Skills				m 4/	5 15		Unit: Big Questions					
-INT-900-0	Internship / Startup and Career Skills	Internship	Report or Businessplan	During the 5 th semester	:	15	JTBQ	Module: Big Questions				m	
-ECE-800	Module: Thesis / Seminar ECE		or 2 domesopidit		m 6	15		P of Big Questions modules with each 2.5 - 5 CP	Lecture	Various	Various	me	1
-ECE-800-T	Thesis ECE	Thesis	Thesis	15 th of May		12		Unit: Community Impact Project					
	Seminar ECE	Seminar	Presentation	During the semester		3	JTCI-CI-950	Module: Community Impact Project				m	ĺ
	Unit: Specialization ECE				m 5/	6 15	JTCI-950	Community Impact Project	Project	Project	Examination period		1
xe a total of 1:	5 CP of specializatopn modules							· · · · · · · · · · · · · · · · · · ·	J	•		-	
-S-ECE-801	Wireless Communication II	Lecture	Written exam	Examination period	me 5	5							
A-S-ECE-802		Lecture	Written exam	Examination period	me 5	_							
A-S-ECE-803		Lecture/Lab	Written exam	Examination period	me 5	5							
A-S-ECE-804		Lecture	Written exam	Examination period	me 6	5							
1-3-ECE-004				Diamination period	IIIC O	J							

¹ Status (m = mandatory, me = mandatory elective)
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.