

Matriculation Fall 2020															
	Program-Specific Modules	Type	Assessment	Period	Status <sup>1</sup>	Sem. C	P P		Jacobs Track Modules (General Education)	Type	Assessment	Period	Status <sup>1</sup>	Sem.	C
ar 1 - CHOI	CE					4	15								1:
ke the mandatory	CHOICE modules listed below, this is a requirement for the Computer							_							
	Unit: Programming, Algorithms, and Data Structures (default	minor choice modu	ıles)			1:			Unit: Methods / Skills						10
H-230	Module: Programming in C and C++				m	1 7.		JTMS-MAT-09	Module: Calculus and Elements of Linear Algebra I				m	1	5
H-230-A	Programming in C and C++	Lecture W	ritten examination	Examination period		2.	.5	JTMS-09	Calculus and Elements of Linear Algebra I	Lecture W	ritten examination	Examination period			
СН-230-В	Programming in C and C++ Tutorial	Tutorial Pr	ractical assessment	During the semester		5	5	JTMS-MAT-10	Module: Calculus and Elements of Linear Algebra II				m	2	5
CH-231	Module: Algorithms and Data Structures	rutoriur		Dunig the semester	m	2 7.	.5	JTMS-10	Calculus and Elements of Linear Algebra II	Lecture W	ritten examination	Examination period			
CH-231-A	Algorithms and Data Structures	Lecture W	ritten examination	Examination period					Unit: Language						5
	Unit: Computer Science, Robotics, and Intelligent Systems						15		German is default language. Native German speakers take modules	in another offered lar	iguage.				
CH-232	Module: Introduction to Computer Science				m	1 7.	.5	JTLA-xxx	Module: Language 1				m	1	2.5
CH-232-A	Introduction to Computer Science	Lecture W	/ritten examination	Examination period				JTLA-xxx	Language 1	Seminar	Various	Various	me		
CH-220	Module: Introduction to Robotics and Intelligent Systems	T contract			m	2 7.		TTT A	Model of comment						2.5
CH-220-A CH-220-B	Introduction to Robotics and Intelligent Systems Introduction to Robotics and Intelligent Systems Lab	Lecture W	ritten examination	Examination period		5	5	JTLA-xxx JTLA-xxx	Module: Language 2 Language 2	Seminar	Various	Various	m		2.5
511 220 B	Unit: CHOICE (own selection)	Luo				1/2 1:		JILII-AAA	Language 2	Seminar	various	various	inc		
Take two further CI	HOICE modules from those offered for all other study programs. <sup>2</sup>					1/2									
Year 2 - CORE		s II cone I	1 6 1 1			4	15								15
take all CORE mod	lules listed below or replace mandatory elective (me) modules with su		les from other study p	rograms.			-	_	V 5 M 0 1 (00 m						- 10
CO-560	Unit: Advanced Computer Science I (default minor advanced n	nodules)					15	TENER DE LES	Unit: Methods / Skills						10
CO-560-A	Module: Databases and Web Services  Databases and Web Services - Lecture	Lactura W	/ritten examination	Examination period	m	3 7.		JTMS-MAT-12 JTMS-12	Module: Probability and Random Processes Probability and Random Processes	Lactura W	ritten examination	Examination period	m	3	
CO-560-B	Databases and Web Services - Project		roject assessment	During the semester		2.		J 11VI3=12	1 tobability and Random 1 tocesses	Lecture W	ritten examination	Examination period			,
CO-561	Module: Software Engineering	rioject ri	roject assessment	During the semester	m	4 7.	_								
CO-561-A	Software Engineering	Lecture W	ritten examination	Examination period			.5	Take one of the two	listed mandatory elective methods modules:						
CO-561-B	Software Engineering Project	Project	Project assessment	During the semester		5		CO-501	Module: Discrete Mathematics				me	4	5
	Unit: Advanced Computer Science II						15	CO-501-A	Discrete Mathematics	Lecture W	ritten examination	Examination period			
CO-562	Module: Operating Systems				m	3 7.	.5								
CO-562-A	Operating Systems	Lecture W	ritten examination	Examination period			_	JTMS-MAT-13	Module: Numerical Methods 4				me	4	5
CO-563	Module: Automata, Computability, and Complexity	Y		B 1 2 1 1	m	4 7.	.5	JTMS-13	Numerical Methods	Lecture W	ritten examination	Examination period			
CO-563-A	Automata, Computability, and Complexity	Lecture W	ritten examination	Examination period		1	-		Value I amount						-
CO-564	Unit: Advanced Computer Science III  Module: Computer Networks				me	3 5	5		Unit: Language German is default language. Native German speakers take modules	in another offered las	amage				_ 5_
CO-564-A	Computer Networks	Lecture W	ritten examination	Examination period	inc	<u> </u>	_	JTLA-xxx	Module: Language 3	in another onered iai	iguage.		m	3	2.5
CO-565	Module: Legal and Ethical Aspects of Computer Science			•	me	3 2.	.5	JTLA-xxx	Language 3	Seminar	Various	Various	me		
CO-565-A	Legal and Ethical Aspects of Computer Science	Lecture Pe	oster presenation	Examination period											
CO-566	Module: Secure and Dependable Systems				me	4 5	5	JTLA-xxx	Module: Language 4				m	4	2.5
CO-566-A	Secure and Dependable Systems	Lecture W	ritten examination	Examination period				JTLA-xxx	Language 4	Seminar	Various	Various	me		
CO-567-A	Module: Academic Skills in Computer Science				me	4 2.	.5								
CO-567-A	Academic Skills in Computer Science	Seminar P	roject assessment	Examination period											
Year 3 - CARE	ER					4	15								15
CA-INT-900	Module: Summer Internship				m	4/5 1:	15		Unit: Big Questions						10
CA-INT-900-0	Summer Internship	R	Report/Business Plan	During the 5 <sup>th</sup> semester				JTBQ-BQ-xxx	Module: Big Questions				m	5/6	
CA-CS-800	Module: Thesis / Seminar CS		-	During the 5 semester	m	6 1:	5	JTBQ-xxx		Lecture	Various	Various	me		10
CA-CS-800-T	Thesis CS	Thesis	Thesis	15th of May			2	OT DQ-XXX	Unit: Community Impact Project	Lecture	various	various	inc		5
CA-CS-800-S	Seminar CS	Seminar	Presentation	During the semester		3		JTCI-CI-950	Module: Community Impact Project				m	5	5
	Unit: Specialization CS				m	5/6 1:	15	JTCI-950	Community Impact Project	Project	Project	Examination period			
Take a total of 15 C CA-S-CS-801	P Specialization Modules					5 5	_								
CA-S-CS-801-A	Module: Computer Graphics Computer Graphics	Lecture W	/ritten examination	Examination period	me	5 3	3								
CA-S-CS-801-A	Module: Image Processing	Lecture W	The Camination	zamination period	me	6 5	5								
CA-S-CS-802-A	Image Processing	Lecture W	ritten examination	Examination period	me	6 5									
CA-S-CS-803	Module: Distributed Algorithms			F	me	5 5	5								
CA-S-CS-803-A	Distributed Algorithms	I automa W	/ritten examination	Examination period	me	5 5	_								
CA-S-CS-803-A	Module: Web Application Development	Lecture	The Camilladon	Examination period		6 5									
		, "	Y-144		me										
	Web Application Development		ritten examination	Examination period		2.									
CA-S-CS-804-A	was a second of the second of														
CA-S-CS-804-B CA-S-xxx	Web Application Development  Specialization electives (from RIS, ECE study programs) <sup>3</sup>		Project assessment /ritten examination	During the semester Examination period	me	5/6 5	_								

<sup>&</sup>lt;sup>1</sup> Status (m = mandatory, me = mandatory elective)
<sup>2</sup> For a full listing of all CHOICE / CORE / CAREER / Jacobs Track modules please consult the CampusNet online catalogue and /or the study program handbooks.

<sup>&</sup>lt;sup>3</sup>For details please see the CS program handbook

<sup>&</sup>lt;sup>4</sup> Students who take a minor in Mathematics have to choose Numerical Methods module.