

<b>Curriculum 2019 - First year (as implemented in academic year 2019-2020)</b>				
<b>Quarter 1</b>		<b>Quarter 2</b>		<b>Quarter 3</b>
<b>B1</b>	NWI-IPC020 Mathematical Structures (3 EC)	*NWI-IPC017 Matrix Calculation (3 EC)	*NWI-IPC006 Processors (3 EC)	NWI-IBC017 Calculus and Probability Theory (3 EC)
	SOW-BKI135 Introduction Artificial Intelligence A (3 EC)	*NWI-IBC016 Combinatorics (3 EC)	*NWI-IPC002 Languages and Automata (3 EC)	*NWI-IPC025 Hacking in C (3 EC)
	NWI-IPC033 Information Modeling and Databases (6 EC)		*NWI-IPC023 Requirements Engineering (3 EC)	NWI-IPC030 Research & Development: Project (3 EC)
	NWI-IPC021 Security (6 EC)		NWI-IPI004 Logic and Applications (6 EC)	
	NWI-IPC031 Imperative Programming (6 EC)		NWI-IPI005 Object Oriented Programming (6 EC)	
<b>Total: 15 EC</b>		<b>Total: 15 EC</b>		<b>Total: 15 EC</b>

<b>Curriculum 2019 - Second year (as foreseen in academic year 2020-2021, subject to any changes)</b>				
<b>Quarter 1</b>		<b>Quarter 2</b>		<b>Quarter 3</b>
<b>B2</b>	NWI-IBC003 Computability (3 EC)	NWI-IBC020 Information Systems (3 EC)	NWI-I0036 IT and Society (3 EC)	NWI-IBI007 Research Methods (3 EC)
	NWI-IBC019 Operating Systems (3 EC)	NWI-IBC026 Semantics and Correctness (3 EC)	NWI-IBC028 Complexity (3 EC)	NWI-IBC042 Parallel Computing (3 EC)
	NWI-IBC027 Algorithms and Datastructures (6 EC)		NWI-IBC021 Networks and Distributed Systems (6 EC)	
	NWI-IBC040 Functional Programming (6 EC)		NWI-IBC041 New Devices Lab (6 EC) (S&DS)	
	NWI-IBI008 Data Mining (6 EC) (S&DS)		NWI-IBC024 Software Verification (3 EC) (S&DS)	NWI-IBC025 Semantics and Rewriting (3 EC) (S&DS)
	NWI-IPC026 Web Security (3 EC) (Cyb)	NWI-IBC034 Operating Systems Security (3 EC) (Cyb)	NWI-IBC038 Privacy and Identity (3 EC) (Cyb)	NWI-IBC022 Network Security (3 EC) (Cyb)
			NWI-IBC023 Introduction to Cryptography (6 EC) (Cyb)	
<b>Total: 15 EC</b>		<b>Total: 15 EC</b>		<b>Total: 15 EC</b>

Curriculum 2019 - Third year (as foreseen in academic year 2021-2022, subject to any changes)				
Quarter 1		Quarter 2	Quarter 3	Quarter 4
B3	**NWI-IBC035 Academic Writing for Computing Scientists (3 EC)	**NWI-IBC035 Academic Writing for Computing Scientists (3 EC)	NWI-IBI010 Reflection and Vocational Orientation (3 EC)	NWI-IBC037 Law for Computer Scientist (3 EC)
	Free electives (12 EC)		NWI-IBI001 Software Engineering (6 EC)	
	Minor Programme (15 EC)		NWI-IBC033 Bachelor Thesis (12 EC)	
	<i>The autumn semester is the so-called "mobility window", enabling students to take a semester abroad. In that case, you may propose a course from your university of choice which is equivalent to Academic Writing for Computing Scientists (subject to approval of the Examination board).</i>		NWI-IBC036 Big Data (6 EC) (S&SD)	
			NWI-IBC039 Organizing Cyber Security (6 EC) (Cyb)	
Total: 30 EC inthe first semester			Total: 15 EC	Total: 15 EC

<b>S&amp;DS = Software and Data Science</b>	<b>Cyb = Cyber Security</b>
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\* These courses switched quarter in 2019-2020

\*\* It is currently foreseen that this course will be offered in Q1 as well as Q2, where students can choose one of these options.