Curriculum 2014-2015:

Table 1: **Bachelor Computing Science**

Year	Semester	Course	Course code
1	semester Ia	Imperative Programming	INBIMP-09
1	semester Ia	Introduction to Computing Science	INBOI-08
1	semester Ia	Introduction to Logic (CS & MA)	WPAI14002
1	semester Ib	Calculus for Computing Science	WPMA14001
1	semester Ib	Discrete Structures	INBDS-08
1	semester Ib	Introduction to Scientific Computing	WBCS14003
1	semester IIa	Algorithms and Data structures in C	INBADC-09
1	semester IIa	Computer Architecture	WBCS14002
1	semester IIa	Program Correctness	INBPC-08
1	semester IIb	Artificial Intelligence 1	KIB.KI103
1	semester IIb	Linear Algebra & Multivariable Calculus for AI&CS	WPMA14005
1	semester IIb	Object-Oriented Programming	INBOGP-08
2	semester Ia	Advanced Object Oriented Programming	INBGOP-09
2	semester Ia	Functional Programming	INBFP-08
2	semester Ia	Statistics for AI and CS	WISTAKI-07
2	semester Ib	Introduction to Information Systems	INBIIS-08
2	semester Ib	Signals and Systems	KIB.SENS12
2	semester Ib	Software Analysis and Design	INBSASO-09
2	semester IIa	Advanced Algorithms and Data Structures	INBGAD-10
2	semester IIa	Computing Science: Ethical and Professional Issues	WBCS14001
2	semester IIa	Software Engineering I	INBSE1-08
2	semester IIb	Languages and Machines	INBTA-08
2	semester IIb	Parallel Computing	INBPAR-08
2	semester IIb	Software Engineering II	INBSE2-08
		Broadening minor in another field of study (30 EC) **OR** **Computing Science minor (30 EC) with the following courses:**	
3	semester Ia	Information Security	INBSEC-08
3	semester Ia	Introduction to Intelligent Systems	INBINTS-08
3	semester Ia	Software Requirements Engineering	INBSRE-08
3	semester Ib	Knowledge Representation and Reasoning	INBKR-08
3	semester Ib	Operating Systems	INBOS-08
3	semester Ib	Software Quality Assurance & Testing	INBSQT-08
3	semester IIa	Compiler Construction	INBVB-08
3	semester IIa	Computer Graphics	INBCG-08
3	semester IIa	Net Computing	INBNC-08
3	semester IIb	Bachelor project (15 ECTS)	WBCS13000

Table 2: **Bachelor Computing science, Biomedical Computing track (Year 1 identical to Bachelor Computing Science). Only for students started in 2013-2014 or earlier.**

Year	Semester	Course	Course code
2	semester Ia	Advanced Object Oriented Programming	INBGOP-09
2	semester Ia	Functional Programming	INBFP-08
2	semester Ia	Statistics for AI and CS	WISTAKI-07
2	semester Ib	Introduction to Information Systems	INBIIS-08
2	semester Ib	Signals and Systems	KIB.SENS12
2	semester Ib	Software Analysis and Design	INBSASO-09
2	semester IIa	Advanced Algorithms and Data Structures	INBGAD-10
2	semester IIa	Computing Science: Ethical and Professional Issues	WBCS14001
2	semester IIa	Software Engineering I	INBSE1-08
2	semester IIb	**Imaging Techniques**	**WLB07050**
2	semester IIb	Parallel Computing	INBPAR-08
2	semester IIb	Software Engineering II	INBSE2-08
3		**Broadening minor in another field of study (25 or 30 EC) and Neurobiology (semester Ia)**	**WLB07086**
		OR	
		Computing Science minor (30 EC) with Neurobiology (semester Ia)	**WLB07086**
		and two of the three following courses in semester Ia:	
3	semester Ia	Information Security	INBSEC-08
3	semester Ia	Introduction to Intelligent Systems	INBINTS-08
3	semester Ia	Software Requirements Engineering	INBSRE-08
3	semester Ib	Knowledge Representation and Reasoning	INBKR-08
3	semester Ib	Operating Systems	INBOS-08
3	semester Ib	Software Quality Assurance & Testing	INBSQT-08
3	semester IIa	Compiler Construction	INBVB-08
3	semester IIa	Computer Graphics	INBCG-08
3	semester IIa	Net Computing	INBNC-08
3	semester IIb	Bachelor project in Biomedical Computing (15 ECTS)	WBCS13000

Table 3: **Bachelor Computing science, Business Computing track (Year 1 identical to Bachelor Computing Science)**

Year	Semester	Course	Course code
2	semester Ia	Advanced Object Oriented Programming	INBGOP-09
2	semester Ia	Functional Programming	INBFP-08
2	semester Ia	Statistics for AI and CS	WISTAKI-07
2	semester Ib	Introduction to Information Systems	KIB.SENS12
2	semester Ib	Signals and Systems	INBIIS-08
2	semester Ib	Software Analysis and Design	INBSASO-09
2	semester IIa	Advanced Algorithms and Data Structures	INBGAD-10
2	semester IIa	**Marketing for E&BE**	**EBP033A05**
2	semester IIa	Software Engineering I	INBSE1-08
2	semester IIb	**Management of Product Innovation**	**EBB652B05**
2	semester IIb	Parallel Computing	INBPAR-08
2	semester IIb	Software Engineering II	INBSE2-08
		Broadening minor in another field of study (30 EC) **OR** **Computing Science minor (30 EC) with the following courses:**	
3	semester Ia	Information Security	INBSEC-08
3	semester Ia	Introduction to Intelligent Systems	INBINTS-08
3	semester Ia	Software Requirements Engineering	INBSRE-08
3	semester Ib	Knowledge Representation and Reasoning	INBKR-08
3	semester Ib	Operating Systems	INBOS-08
3	semester Ib	Software Quality Assurance & Testing	INBSQT-08
3	semester IIa	Compiler Construction	INBVB-08
3	semester IIa	**International Business & Supply Chain Marketing**	**EBB609B05**
3	semester IIa	Net Computing	INBNC-08
3	semester IIb	**Bachelor project in Business Computing (15 ECTS)**	**WBCS13000**