

Appendix A – List of modules in the Bachelor’s degree programme ‘Computer Science (English)’

Mandatory elective section: Core lecture courses				
Algorithms and Data Structures	written exam(s), PA	g	0	9
Artificial Intelligence	written exam(s), PA	g	0	9
Automated Reasoning	written exam(s), PA	g	0	9
Compiler Construction	written exam(s), PA	g	0	9
Complexity Theory	written exam(s), PA	g	0	9
Computer Algebra	written exam(s), PA	g	0	9
Computer Graphics	written exam(s), PA	g	0	9
Cryptography	written exam(s), PA	g	0	9
Database Systems	written exam(s), PA	g	0	9
Data Networks	written exam(s), PA	g	0	9
Distributed Systems	written exam(s), PA	g	0	9
Embedded Systems	written exam(s), PA	g	0	9
Geometric Modeling	written exam(s), PA	g	0	9
Human Computer Interaction	written exam(s), PA	g	0	9
Image Processing and Computer Vision	written exam(s), PA	g	0	9
Information Retrieval and Data Mining	written exam(s), PA	g	0	9
Introduction to Computational Logic	written exam(s), PA	g	0	9
Machine Learning	written exam(s), PA	g	0	9
Operating Systems	written exam(s), PA	g	0	9
Optimization	written exam(s), PA	g	0	9
Security	written exam(s), PA	g	0	9
Semantics	written exam(s), PA	g	0	9
Software Engineering	written exam(s), PA	g	0	9
Digital Transmission, Signal Processing	written exam(s), PA	g	0	9
Verification	written exam(s), PA	g	0	9
<i>The Examination Board may add modules to or withdraw modules from this list.</i>				

Mandatory elective section: Freely selectable modules				
Tutoring	Tutoring	u	4	0
Language Courses (max. 6 credits)	oral, written	u	3 or 6	0
Industrial Work Placement / Internship (max. 6 credits)		u	6	0
Other lecture courses from the international Bachelor’s degree programme in Computer Science				
<i>The Examination Board may add modules to or withdraw modules from this list.</i>				