B.Sc. Information Engineering (at TUM Campus Heilbronn): Curriculum

Semester	Courses						
	Informatics and Information Theory				**Mathematics**	**Management**	**Support Electives**
1	Introduction to Informatics 6 ECTS	Fundamentals of Programming 6 ECTS	Introduction to Computer Organization and Technology 8 ECTS		Discrete Structures 8 ECTS		Support Electives 2 ECTS
2	Introduction to Software Engineering 6 ECTS	Operating Systems and Software 6 ECTS	Algorithms and Data Structures 6 ECTS		Computational Mathematics 1: Linear Algebra 8 ECTS		Support Electives 3 ECTS
3	Fundamentals of Databases 6 ECTS	Computer Networking and IT Security 6 ECTS	Information Theory and Theory of Computation 6 ECTS	Seminar 5 ECTS	Computational Mathematics 2: Calculus 8 ECTS		
4	Signal Processing 6 ECTS	Enterprise Architecture Management and Reference Models 6 ECTS	Embedded Systems, Cyber-Physical Systems and Robotics 8 ECTS	Business Process Management 5 ECTS	Discrete Probability Theory 6 ECTS		
5	Bachelor Practical Course 10 ECTS	Electives in Informatics 6 ECTS				Electives in Management 12 ECTS	Support Electives 2 ECTS
6	Bachelor's Thesis 12 ECTS	Bachelor's Colloquium 3 ECTS	Electives in Informatics 6 ECTS			Electives in Management 6 ECTS	Support Electives 2 ECTS

As of: 22/04/2021