Additional Requirement for Application.
Master IT Security.

Without this form your application can unfortunately not be considered.

Please confirm that you fulfil the following 2 prerequisites by listing the corresponding modules and credits from the transcript in the table and provide evidence thereof.

Note that all credits need to be converted to ECTS (European Credit Transfer System) credits. When a conversion is required, an official confirmation from the university for the conversion of their credits into ECTS as well as a proof of the composition of the modules (semester hours per week for theory, practice and self-study) must be provided.

Mathematics Requirement

1. The scope of the fundamental, **mathematical concepts** of stochastics, analysis and linear algebra in the Bachelor's degree program completed by the applicant must amount to at least 28 ECTS credit points.

Module number	Module name	Credits as per transcript	ECTS
BC13	MATHEMATICAL FOUNDATIONS - I	3	3
BC14	LOGICAL ORGANIZATION OF COMPUTER - I	3	3
BC 22	LOGICAL ORGANIZATION OF COMPUTER - II	3	3
BC 23	MATHEMATICAL FOUNDATIONS - II	3	3
BC 32	DATA STRUCTURES	3	3
BC 36	COMPUTER ORIENTED NUMERICAL METHODS	3	3
BC 41	ADVANCED DATA STRUCTURES	3	3
BC 44	RELATIONAL DATA BASE MGT. SYSTEM	3	3
BC 45	COMPUTER ORIENTED STATISTICAL METHODS	3	3
BC 48	LAB - II BASED ON (B032 & B041)	2	2
	sum	29	29

Computer Science and Security Requirements

1. the scope of the **basic computer science** components such as software development, IT security, cryptology, computer systems and theoretical computer science in the Bachelor's degree programme completed by the applicant must have amounted to at least 60 ECTS,
2. of which at least 12 ECTS shall be from the field of **IT security**.

Please enter at least 12 ECTS worth of security related courses in the gray fields, then continue with further basic computer science courses below.

Module number	Module name	Credits as per transcript	ECTS
BC 25	STRUCTURED SYSTEM ANALYSIS & DESIGN	3	3
BC 35	FUNDAMENTALS OF DATA BASE SYSTEM	3	3
BC 54	COMPUTER NETWORKS	3	3
BC 64	INTERNET TECHNOLOGIES	3	3
BC 66	PROGRAMMING IN CORE JAVA	3	3
	(IT security courses only) sum	15	15
BC 11	COMPUTER & PROGRAMMING FUNDAMENTALS	3	3
BC 12	WINDOWS & PC SOFTWARE	3	3
BC 16	PROGRAMMING IN C	3	3
BC 21	ADVANCED PROGRAMMING IN C	3	3
BC 24	OFFICE AUTOMATION TOOLS	3	3
BC 27	LAB - I (BASED ON B012 & B024)	2	2
BC 28	LAB - II (BASED ON B016 & B021)	2	2
BC 31	OBJECT ORIENTED PROGRAMMING USING C++	3	3
BC 33	COMPUTER ARCHITECTURE	3	3
BC 34	SOFTWARE ENGINEERING	3	3
BC 42	ADVANCED PROGRAMMING USING C++	3	3
BC 46	MANAGEMENT INFORMATION SYSTEM	3	3
BC 47	LAB - I (BASED ON B031 & B042)	2	2
BC 51	WEB DESIGNING FUNDAMENTALS	3	3
BC 52	OPERATING SYSTEMS - I	3	3

BC 53	ARTIFICAL INTELLIGENCE	3	3
BC 55	PROGRAMMING USING VISUAL BASIC	3	3
BC 56	MULTIMEDIA TOOLS	3	3
BC 61	WEB DESIGNING USING ADVANCED TOOLS	3	3
BC 62	OPERATING SYSTEM - II	3	3
BC 63	COMPUTER GRAPHICS	3	3
BC 65	ADVANCED PROGRAMMING WITH VISUAL BASIC	3	3
BC 67	LAB - I (BASED ON BC51 & BC61)	2	2
BC 68	LAB - II (BASED ON BC55 & BC 65)	2	2
(computer science courses including security courses)	sum	67	67

Applicant's Name: NITESH KUMAR

Signature: Nitesh Kumar

Please fill out, sign and upload this form together with the evidence required.