





## 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) <b>sum</b> |                                       | 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  | ARTIFICIAL 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) <b>sum</b> |  | 67 | 67 |

Applicant's Name: DHRUV GARG

Signature: *Dhruv*



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ZENTRALE UNIVERSITÄTSVERWALTUNG

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

*Shree*