

Assessment process for M.Sc. Informatics and M.Sc. Data Engineering and Analytics

Eligibility requirements

The application must meet all of the following three criteria:

- **Bachelor's degree in Informatics** (at least 140 of 180 ECTS resp. 78% of the total degree credits at the time of application)
- **Minimum of 50 ECTS in the following Foundations of Informatics** (equivalence check with the respective TUM modules):
 - Introduction to Informatics (IN0001), max. 6 ECTS
 - Fundamentals of Programming (IN0002), max. 6 ECTS
 - Computer Architecture (IN0004), max. 8 ECTS
 - Computer Architecture Lab (IN0005), max. 8 ECTS
 - Software Engineering (IN0006), max. 6 ECTS
 - Algorithms and Data Structures (IN0007), max. 6 ECTS
 - Databases (IN0008), max. 6 ECTS
 - Operating Systems and System Software (IN0009), max. 6 ECTS
 - Computer Networking and Distributed Systems (IN0010), max. 6 ECTS
 - IT Security (IN0042), max. 5 ECTS
- **Not more than 13 credits missing in the following modules:**
 - Theory of Computation (IN0011), max. 8 ECTS
 - Functional Programming and Verification (IN0003), max. 5 ECTS
 - Discrete Structures (IN0015), max. 8 ECTS
 - Linear Algebra (MA0901), max. 8 ECTS
 - Analysis (MA0902), max. 8 ECTS
 - Discrete Probability Theory (IN0018), max. 6 ECTS
 - Numerical Programming (IN0019), max. 6 ECTS

If not fulfilled

Rejection

Stage 1

Stage 1. Max. 57 points in stage 1

Criteria:

- **Academic Qualification:** equivalence check with the respective TUM modules (see above), max. 50 points
 - Foundations of Informatics, min. 50 ECTS (20 points)
 - Theory of Computation, min. 8 ECTS (10 points)
 - Functional Programming and Verification, min. 5 ECTS (10 points)
 - Foundations in Mathematics, min. 28 ECTS (10 points)
- **Grade/GPA:** max. 7 points

51 points or more

Admission

44 points or less

Rejection

Between 45 - 50 points

Stage 2

Stage 2. Max. 108 points in stage 2

Criteria:

- **Academic Qualification**, max. 50 points
- **Grade/GPA:** max. 7 points
- **Scientific Essay**, max. 27 points
- **Statement of Reasons**, max. 24 points

85 points or more

Admission

69 points or less

Rejection

Between 70 - 84 points

Criteria:

- **Academic Qualification**, max. 50 points
- **Grade/GPA**, max. 7 points
- **Written Test on campus**, max. 51 points

84 points or less

Rejection

85 points or more

Admission