

Linea guida per la valutazione individuale (competenze per l'ammissione Laurea Magistrale)

Candidates for all curricula are expected to have knowledge of computer science fundamentals. In particular, the prerequisites include:

- *Fundamentals of programming and programming languages.*
- *Fundamentals of algorithms and data structures.*
- *Fundamentals of computer architecture and operating systems.*
- *Fundamentals of probability and statistics.*

Furthermore, each curriculum requires the following specific prerequisites:

AI

Candidates for the AI curriculum are expected to have knowledge of mathematics and computer science fundamentals. In particular, the prerequisites include:

- *Fundamentals of mathematical analysis: elements of calculus (functions, differential calculus).*
- *Fundamentals of numerical analysis (including matrix calculus and related notations).*
- *Fundamentals of formal logic.*

Software

Candidates for the SW curriculum are expected to have knowledge of mathematics and computer science fundamentals. In particular, the prerequisites include:

- *Fundamentals of mathematical analysis: elements of calculus (functions, differential calculus).*
- *Fundamentals of numerical analysis (including matrix calculus and related notations).*
- *Fundamentals of formal logic.*
- *Fundamentals of software engineering.*
- *Fundamentals of computer networking.*

Big Data Technologies

Candidates for the BD curriculum are expected to have knowledge of mathematics and computer science fundamentals. In particular, the prerequisites include:

- *Fundamentals of mathematical analysis: elements of calculus (functions, differential calculus).*
- *Fundamentals of numerical analysis (including matrix calculus and related notations).*
- *Fundamentals of formal logic.*
- *Fundamentals of databases.*
- *Fundamentals of computer networking.*

ICT

Candidates for the ICT curriculum are expected to have knowledge of mathematics and computer science fundamentals. In particular, the prerequisites include:

- *Operating systems and computer networking.*
- *Fundamentals of software engineering.*
- *Fundamentals of probability and statistics.*