

Introduction

B.S. degree in Computer Science

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Part 1

Some useful insights

Degrees (3 + 2) at DISI

B.S. (180 CFU, 3 years, Italian/English)

- Computer Science
- Computer, Communications and Electronic Engineering

• M.S. (120 CFU, 2 years, in English)

- Computer Science
- Artificial Intelligence Systems
- Information Engineering
- Human-Computer Interaction
- Quantitative and Computational Biology
- Data Science

Ordinamenti, Regolamenti, Manifesti

- The Ministry defined the **general regulations**
- University establishes the “**Ordinamento**” (“Ordinance”)
- University establishes the “**Regolamento**”:
 - Curriculum rule (entrance, exit, transfer)
 - Referred to student “cohorts” (e.g.: “cohort 2023-24”)
- University establishes yearly the “**Manifesto**”:
 - yearly organization of courses, referred to academic year
- Available on UniTN Web site (or google “UNITN DISI ordinamento|regolamento|manifesto”)

Manifesto 2025/2026

year	I semester	II semester
1st	30	30
2nd	30	30
3rd	12 + 24	

1 Unified path:
“Computer Science”

3 years :

- 12 credits constrained choice
- + 12 free choice
- 9 credits stage
- 3 credits English (C1 or technical English)
- 6 credits thesis

LT: Informatica (“Computer Science”) (vedi Manifesto)

I Anno (obbligatori)	crediti
Calculus 1	12
Geometry and Linear Algebra	6
Computer Programming 1	12
Mathematics for informatics	6
Probability	6
Computer Programming 2	6
Functional Programming	6
Computer Architectures	6
English	3

II Anno (obbligatori)	crediti
Data bases	6
Software Engineering	12
Data structures and Algorithms	12
Optimization techniques	6
Networking	6
Operating Systems	12

III Anno (obbligatori)	crediti
Formal Languages and Compilers	12
Introduction to machine Learning	6
Computational Logic	6

Corsi a scelta vincolata (12 crediti a scelta)	crediti
Advanced Programming	6
Human-Computer Interaction	6
Fundamental of Electronics (M1: Logic networks)	6
Fundamentals of Communications (M1: Signal Processing)	6
Introduction to computer network security	6
Calculus 2	6

Corsi a scelta suggeriti (12 crediti a scelta)	crediti
[qualsiasi corso della lista precedente non ancora scelto]	
Fundamentals of Robotics	12
Embedded software for the internet of things	6
Physics	12
[Corso a scelta tra quelli proposti in Ing. I.C.E.]	

Health & Safety courses

To access labs, it is mandatory by the law to complete online security courses:

- Course on Health and Safety in the workplace - WORKERS' GENERAL TRAINING
- Course on Health and Safety in the workplace - WORKERS' SPECIFIC RISK TRAINING - (Low Risk)

Available at <https://didatticaonline.unitn.it/ateneo/>

Esse3 (“libretto”)

- www.esse3.unitn.it
 - Exam registrations and results
 - Certificates
 - Syllabi and informations about courses
 - Graduation registration
 - Stages
 - Communications with UniTN
 - e-mail: [name.surname\[2,3,...\]@studenti.unitn.it](mailto:name.surname[2,3,...]@studenti.unitn.it)
 - (to be always used for communications with UniTN, administration, teachers)

Where too look for information (general ideas)

- Web site <http://offertaformativa.unitn.it/it/I/informatica>
- Google
 - UNITN DISI ORDINAMENTO (REGOLAMENTO, MANIFESTO, CALENDARIO, TUTORATO, ecc.)
- Whom ask/complain to, **STRICTLY FOLLOWING THE FOLLOWING PRIORITY ORDER:**
 - 1 Your more-expert student colleagues [90%]
 - 2 The student representatives [9%]
 - 3 The student Secretariat [0.9%]
 - 4 The course teachers [0.09%]
 - 5 The CdS responsible [0.009%]
 - 6 The DISI Teaching Coordinator [0.0009%]
 - 7 The DISI Director [0.00009%]
 - 8 The UniTN Rector [0.000009%]
 - 9 The President of Italian Republic [0.0000009%]
 - 10...

Part 2

HINTS

Very bad mistakes to avoid

1) “I already know it”

(“I can program well”, “I already know how to integrate”, ...)

2) “I’ll start studying the weeks before the exam”

3) “I’ll study only what is needed for the exam”

(“[S]He rarely asks this”, “this was never asked in the test”, ...)

4) “I’ll go and try it...”

5) “I don’t attend classes since there are online recordings...”

How to study?

- Do attend classes and labs!
 - everything is said in class can be asked at the exam
 - (even what is not on slides/material)
 - class recordings (when available) are only a support to the study
- Understand first, memoize second (not vice versa!)
- Ask what you did not understand
- Do not procrastinate studying
 - Study/practice/implement **after each class**
 - (much more efficient in terms of achievement/effort ratio)
- Practice/implement!

QUESTIONS?

