**Computer Science MS - unofficial Study Plan explanation and template**

**Official website:** [**https://informatica.math.unipd.it/en/master/study-plan**/](https://informatica.math.unipd.it/en/master/study-plan/)

Link: <https://docs.google.com/document/d/1KKeVbj_22G6qgHtxQXVQluMV1ZtUgJtLloeNB3uUe9s/edit>

Table legend:

* *major*: choose 4 out of 5 courses from one of the majors available (AI,IMS,PLS). The 4 courses must be from the same major.
* *CS:* Choose the remaining courses freely among the majors and minors. No need to do a whole major nor a whole minor.
* *Other Elective:* One course must be from the group “Other elective courses” (see website)
* *Free Choice:* Any course from any Master Degree in the University of Padova. They should add up to 12 ETCS, typically 2 courses of 6 ETCS each, but you can do one of 12, two as 9+3. You can even do more (example: 6+9).

Check: if the course can be chosen as an optional course unit, the language of instruction and if prerequisites are needed, in the page of the course.

If you do a Custom Study Plan, these courses should be coherent with Computer Science.

List of Degree Programs held in English: <https://www.unipd.it/en/english-degrees>

A **Custom Study Plan** needs to be discussed with a member of the Mentoring Committee before being presented (see website).

The total amount of credits of the Computer Science Master Degree is 120 ETCS, with courses you will do 78 of them. The remaining credits are:

* 33 ETCS for the Master Thesis <https://informatica.math.unipd.it/en/master/graduation/>
* 6 ETCS in Other Training Activities. Moodle page with details: <https://stem.elearning.unipd.it/course/view.php?id=4297>
* 3 ETCS for the B2 English language qualification, productive skills

Register to the test: <https://cla.unipd.it/en/registration-tal/>

No need to do the test if you can show a certificate of your language level. Contact: <https://cla.unipd.it/en/language-certifications-recognition/>

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| **Option 1: Automatically approved Study plan** | | |
|  | ***Type*** | **Course** |
| 1 | *Mandatory* | Computability – 1 Sem/1 anno |
| 2 | *Mandatory* | Advanced Algorithms – 2 Sem/1 anno |
| 3 | *Mandatory* | Economics and Management of Innovation – 1 Sem/1 anno |
| 4 | *Major* | Advanced topics in network and security – 1 Sem/1 anno |
| 5 | *Major* | Mobile programming and multimedia – 2 Sem/1 anno |
| 6 | *Major* | Web information management – 1 Sem/1 anno |
| 7 | *Major* | Wireless networks for mobile applications – 1 Sem/1 anno |
| 8 | *CS* | Security and risk: management and certifications - 2 Sem/1 anno |
| 9 | *CS* | IT Service Management – 2 Sem/1 anno (OTHERWISE – Ethical Hacking) |
| 10 | *CS* | Startup in ICT – 2 Sem/1 anno |
| 11 | *Other elective* | Methods and models for combinatorial optimization – 1 Sem/2 anno |
| 12 | *Free choice* | Functional languages – 1 Sem/2 anno |
| 13 | *Free Choice* | Mobile security – 1 Sem/1 anno |