MSc in Computer Science
static function day_images_list($date, $studio) {
    global $global_studio_list;
    if(!in_array($studio, $global_studio_list)) die("error studio");
    $date = mysql::escape($date);
    if(mysql::count("image_date", "shot_date = '$date'")) != 1) die('date not found');
    $studio = intval($studio);

    $return = array();

    $result = mysql::query("SELECT image.id as image_id FROM image, image_date WHERE image_date.id=image_id AND image_date.shot_date='$date' AND image_date.studio='$studio'");
    while($image = mysql::fetch($result)) {
        $image->copyright = metadata::get_copyright($image->image_id);
        $image->models = metadata::get_models($image->image_id);
        $return[$image->image_id] = $image;
    }
}

return $return;
The MSc in Computer Science provides students with knowledge, methodologies and specialized computer technologies required to plan, design, develop, estimate and manage complex innovative systems for production, transmission and processing of information.

Along with the theoretical foundations of the computer sciences, students will get specific knowledge in the macro-areas close to software technologies, systems and networks, data science and management, embedded systems, safety and security engineering.

A strong drive toward internationalization is a key factor. This allows students to experience an international environment and face global problems and cultural issues with an international attitude and an open mind. We believe this is the best solution to prepare successful global computer scientists.
**Programme overview**

<table>
<thead>
<tr>
<th><strong>Degree awarded</strong></th>
<th><strong>Language</strong></th>
<th><strong>Class size</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science - “Laurea Magistrale” - in Computer Science</td>
<td>English</td>
<td>Up to 105 participants</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Workload</strong></th>
<th><strong>Intake</strong></th>
<th><strong>Duration</strong></th>
<th><strong>Fees and funding</strong></th>
</tr>
</thead>
</table>
| The total workload for each student is 120 ECTS (European Credit Transfer System) | September each year | 2 years full-time | • EU: 340€ - 3.400€ (based on income/merit)  
• Non-EU: 1.000€ - 6.500€ (based on merit)  
• Income/merit based scholarships and tuition waivers available |
Admission

**Application deadlines**
(check online for updates)
- February for non-EU citizens living outside Italy
- June for EU citizens and non-EU citizens regularly living in Italy

**Selection criteria**
- Academic curriculum and assessment of previous studies and their coherence with the MSc
- English language knowledge
- Curriculum Vitae
- Statement of purpose

**Requirements**
- Bachelor’s degree (or equivalent) in Computer Science or related field
- English at B2 level of the Common European Framework of Reference for Languages

**How to apply**
- Access the online application form
- Upload the required documents
- Submit your online application by the deadline
- Check online for more information and updates: www.unitn.it/mastercs
Study Plan

The master includes courses on the **fundamentals of computer science** (computability, concurrency, machine learning, performance evaluation), as well as courses on the selected **area of specialization**.

Students can complete their studies with “**free choice**” courses covering advanced topics in different areas of specialization. Practical **training periods** in industrial or **research laboratories** allow the student to apply the gained knowledge and assimilate various aspects linked to **professional practice**. Students can choose one of the following curricula. Each curriculum is further divided into different areas of specialization:

**Curriculum**

**Computer Science and Technologies**

**Areas:**
- Data Science
- Bioinformatics
- Software and Service Architectures
- Systems and Networks

**Curriculum**

**ICT Innovation**

**Areas:**
- Cyber Security
- Software and Service Architectures
- Data Science
- Embedded Systems
- FinTech
Both Curricula

- Internship
- Final thesis

Dual Degrees

Beside the several international mobility opportunities active on this master’s degree, enrolled students can apply for a dual degree programme with:

- Grande Ecole CentraleSupélec, Paris (France)
- Ufa State Aviation Technical University, Ufa (Russian Federation)
- EIT Digital Master School (mobility to: Finland, France, Germany, Hungary, Netherlands, Spain and Sweden).
International and **industry connections**, as well as the appropriate mix between theoretical approach and applied activities, are the reasons why our Computer Science graduates find a job **soon after graduation**, and in many cases even **before the end of the master**. Computer Science graduates are among the **most wanted specialists** in Italy.

Graduates in Computer Science can enter the job market by planning, organizing, developing, managing and maintaining informatics systems.

For graduates who pursue their studies at **PhD level**, management careers will become available, given their ability to solve complex problems both from the technical and from the personal/organizational point of view.

Last but not least, **individual skills** are of the maximum importance: computer science is still a field where innovative start ups launched by enterprising young people can often outperform consolidated enterprises.
CONTACT DETAILS
International Mobility Office
Science and Technology Area
Via Sommarive, 5 - 38123 Trento, Italy
tel. +39 0461 283236 - 3976
mastercs@unitn.it

www.unitn.it/mastercs