Admission procedures

Applicants meeting the entry requirements can send their application on-line.

Online Application

- Curriculum Vitae
- Letter of motivation
- Official transcript of records
- Recommendation letter(s)
- Copy of ID or Passport

Joint program with

Department of Computer Science, Via Celoria 18

Enquiries:

DSE Secretariat: Tel. +39 02 503 21553
Tel. +39 02 503 21527
E-mail: dse@unimi.it

Admission procedures

Applicants meeting the entry requirements can send their application on-line.

An application fee of 30€ is required. Credit card or MAV payments accepted. The DSE Admission Board will evaluate academic and personal background and will invite eligible candidates who meet the entry requirements for an interview to be held in telematics form (via Skype or similar) from mid March till mid July each year.

For further details:

http://www.dse.unimi.it
http://www.facebook.com/dseunimi
Twitter: @dseunimi

How to reach

Department of Economics, Management and Quantitative Methods
Via Conservatorio 7 - 20122 Milan

TWO-YEAR MASTER DEGREE IN

Data Science & Economics
(Laurea Magistrale LM-91)

Data Science & Economics
The Master degree in Data Science & Economics aims at offering an exclusive and high-quality study programme.

This internationally-oriented master degree is intended to provide students with both an excellent academic training and operational skills, as well as with a promising outlook for a future career as data scientist.

The Master degree in Data Science & Economics is a genuinely multidisciplinary programme, offering a well-balanced set of courses in computer science, statistics and economics. The program is entirely taught in English.

**OVERVIEW**

**THE STUDY PROGRAMME**

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>ECTS</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Micro and Macroeconomics</td>
<td>12</td>
<td>eco</td>
</tr>
<tr>
<td>Coding for Data Science and Data Management</td>
<td>12</td>
<td>cs</td>
</tr>
<tr>
<td>Graph Theory, Discrete Mathematics and Optimization</td>
<td>12</td>
<td>mat/stat</td>
</tr>
<tr>
<td>Machine Learning, Statistical Learning, Deep Learning and Artificial Intelligence</td>
<td>12</td>
<td>mat/cs</td>
</tr>
<tr>
<td>Micro-econometrics, Causal Inference and Time Series Econometrics</td>
<td>12</td>
<td>eco/stat</td>
</tr>
</tbody>
</table>

Total number of credits earned at the end of the first year: **60**

<table>
<thead>
<tr>
<th>SECOND YEAR</th>
<th>ECTS</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algorithms for Massive Data, Cloud and Distributed Computing</td>
<td>12</td>
<td>cs</td>
</tr>
<tr>
<td>Cybersecurity and privacy, Preservation Techniques and Digital Security and Privacy</td>
<td>6</td>
<td>law</td>
</tr>
</tbody>
</table>

Cumulative number of credits earned after the second year’s mandatory courses: **78**

<table>
<thead>
<tr>
<th>THREE CURRICULA</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>96</td>
</tr>
<tr>
<td>Business Innovation</td>
<td>96</td>
</tr>
<tr>
<td>Social Science</td>
<td>96</td>
</tr>
</tbody>
</table>

Cumulative number of credits earned: **96**

Elective courses: **12**

Internship: **3**

Master thesis: **9**

Total at the end of the programme: **120**

Each curriculum is made of three courses chosen among a set prepared by the faculty. The student can also add two or more elective courses to complete their study path.

DSE enrolment fees vary from a minimum of about 156 Euros to a maximum of about 3,900 Euros per year, depending on family income.

**QUALIFICATIONS**

Graduates of the Master’s programme in Data Science & Economics are qualified to be tomorrow’s experts in the increasingly complex world of new data emerging in all fields of social sciences, economics, business and finance.

Prospect careers include:

+ Data Scientist
+ Data Driven Economist
+ Data Driven Decision-Maker
+ Analysts of Projects and Policies
+ Marketing Analytics Manager

**ENTRY REQUIREMENTS**

This programme is intended for highly-qualified national and foreign students with a strong motivation in learning advanced topics in computer science, statistics and economics with the aim of becoming data scientists.


About **50 students** are expected to enrol each year. Admission is based on academic excellence and motivation.

Applicants must possess adequate knowledge in economics, statistics, computer science and mathematics.

An undergraduate degree (at least 180 ECTS) in one of the following or related fields: economics, statistics, mathematics, engineering, computer science, physics or business administration.

Requirements are:

+ 12 ECTS in mathematics and computer science
+ 12 ECTS in economics and statistics
+ English knowledge (B2 or higher)

For full details on this Master programme visit [www.dse.unimi.it](http://www.dse.unimi.it)