ACADEMIC YEAR 2023-2024

ADMISSION to a CHEMISTRY MASTER DEGREE

- Scienze Chimiche
- Industrial Chemistry
## Admission to MASTER DEGREES

### INFORMATION and ADMISSION COMMISSIONS

### ADMISSION COMMISSIONS

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<th>INDUSTRIAL CHEMISTRY</th>
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<td></td>
<td>Michele Ceotto and Luigi Falciola</td>
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<tr>
<td>Luigi Lay (President)</td>
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<td>Carlo Pirola (President)</td>
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<tr>
<td>Anna Bernardi</td>
<td></td>
<td>Leonardo Lo Presti</td>
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<tr>
<td>Paola Fermo</td>
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<td>Patrizia Mussini</td>
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<td>Pierluigi Mercandelli</td>
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<td>Mariangela Longhi</td>
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<td>Maria Vittoria Dozzi</td>
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<tr>
<td>Luigi Falciola and Antonino Nucera</td>
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</table>

**E-mails:** NAME.SURNAME@UNIMI.IT
Admission to MASTER DEGREES

INSTRUCTIONS

1) Application for ADMISSION:
- from 6/03/2023 to 25/08/2023 for Italian, EU candidates and equivalents
- from 6/03/2023 to 31/05/2023 for non-EU candidates applying for a VISA

Do this step as soon as possible. Once done, it will be valid for all the academic year.

A. Enroll using the UNIMIA APP
   - CHEMISTRY (MD): https://scienzechimiche.cdl.unimi.it/it/iscriversi
   - INDUSTRIAL CHEMISTRY (MD): https://industrialchemistry.cdl.unimi.it/en/enrolment

and UPLOAD the required documents for the Curricular Prerequisites Evaluation. Upload also ENGLISH Certifications (they will be immediately uploaded in your Academic Career).

Students coming from a UNIMI Chemistry or Industrial Chemistry Bachelor Degree, do not need to upload the Prerequisites Evaluation documents, but they can upload updated ENGLISH certificates if not yet uploaded in the previous career.

B. Wait for Prerequisites Evaluation. See in the APP the status of your evaluation.

2) ECHEM TEST
   A) RECEIVE an EMAIL with ECHEM TEST INSTRUCTIONS (approximately 5 days before the TEST)
   B) DO THE ECHEM TEST (The test is passed if all the parts are sufficient (at least 20 % of correct answers)).
   C) TEST Results will be communicated by e-mail within 2-3 working days after the TEST.
      - In case of insufficiencies (score < 20 %), you must pass the TEST insufficient parts in the next ECHEM Test before being admitted to the oral interview.
      - In case of absence to a test or insufficiencies, you will receive e-mail alerts to attend forthcoming tests.

3) PRELIMINARY STUDY PLAN
   FILL the GOOGLE FORM with the PRELIMINARY «STUDY PLAN» (to be discussed during the interview) at the following addresses:
   - CHEMISTRY (MD): https://docs.google.com/forms/d/e/1FAIpQLSdvEYzqgrSsuu35tcmsbnB3OWF6PwoPLaFHTGMEpFGUykKSig/viewform
   - INDUSTRIAL CHEMISTRY (MD): https://docs.google.com/forms/d/e/1FAIpQLSf5SgQJic4elwb1M5PxD-9D4q3rIQQjlnvSbda5Q0PFbD9SrA/viewform
### Admission to MASTER DEGREES

#### INSTRUCTIONS and DATES

4) **ADMISSION INTERVIEW**
   - A) RECEIVE an EMAIL with test RESULTS and INTERVIEW INSTRUCTIONS (2-3 working days after test)
   - B) DO THE INTERVIEW (immediate evaluation)

5) **MATRICULATION**
   - APPLY for matriculation: from 03/04/2023 to 15/01/2024 (for late matriculation see the Course website)
   - **ATTENTION:** deadline to obtain the Bachelor Degree and entry requirements is 31/12/2023

#### IMPORTANT DATES

<table>
<thead>
<tr>
<th>SESSION</th>
<th>Curricular prerequisites EVALUATION</th>
<th>INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Final date for delivery of documents in the APP</td>
<td>For ITALIANS and UNIMI students</td>
</tr>
<tr>
<td>1) MAY (only foreign students)</td>
<td>24/4/2023</td>
<td>By 5/5/2023</td>
</tr>
<tr>
<td>2) JUNE</td>
<td>2/6/2023</td>
<td>By 9/6/2023</td>
</tr>
<tr>
<td>3) JULY</td>
<td>30/6/2023</td>
<td>By 7/7/2023</td>
</tr>
<tr>
<td>4) SEPTEMBER</td>
<td>1/9/2023</td>
<td>By 8/9/2023</td>
</tr>
<tr>
<td>5) DECEMBER (extra session)</td>
<td>1/12/2023</td>
<td>By 8/12/2023</td>
</tr>
</tbody>
</table>
Admission to MASTER DEGREES

NOTES

• The RESULTS of the LAST ECHEM Test are valid and considered for the interview

• POSITIVE ECHEM TEST (or positive parts of it) are valid also for the next academic year

• POSITIVE ADMISSION INTERVIEW is valid also for the next academic year

• The CERTIFICATES from ECTN for each single test with the score ARE NOT MANDATORY for the ADMISSION. It is only for your interest and pleasure.

CONTENTS of the INTERVIEW

• The interview will be an informal chat with the members of the Admission Commission in which your CV will be examined, and you will be given some suggestions on how to possibly fill some gaps, so that your university career proceeds optimally.

• For the above purpose, your preliminary Study Plan will also be examined (see point 3 of the instructions) and any critical issues will be highlighted, also answering your questions or requests for clarification.

Please note that this Study Plan is to be understood as absolutely preliminary and merely indicative of the preferences of the student, useful only for internal use by the Admission Commission or as a starting point for discussion during the interview. The official study plan must be completed and sent only after enrollment, in February 2024. Detailed information will follow and a special meeting with the President of the Teaching Council in January/February 2024 will follow.
In the following SLIDES, you will find more detailed information on the ECHEM TEST:

- HOW TO SIGN UP
- HOW TO ENROLL
- DEMO TESTS
- HOW to PREPARE YOUR TEST PLACE
- PC physical requirements
- Additional webcam for ZOOM connection

PLEASE, READ carefully all the INSTRUCTIONS
INSTRUCTIONS FOR ECHEMTEST

Go to: https://echemtest.libreeol.org/index.php

Welcome on LibreEOL

Email

Password

☐ I read and accept the ECTN Privacy Policy

Non sono un robot

reCAPTCHA
Privacy · Terms

LOGIN

* Forgot Username / Password?
* Don’t have an account? Sign up

Click on “Sign up”
(save your username and password.
You will need them the day of the exam)
Fill the corresponding fields and choose “ats.milano.it” in the field “Group”.
These are the possible topics.
You will choose Analytical, Inorganic, Organic and Physical if enrolling on Scienze Chimiche

You will choose Analytical, Inorganic, Organic, Physical and Chemical Engineering if enrolling on Industrial Chemistry

Clicking for example on Analytical you get... (see next slide)
The exams link will appear few minutes before the exam session
Then you can click on the pen to enroll...
Click “Yes” to confirm your subscription
If more than one exam session appears, choose always the section of the type: "XX3en" if you are enrolled in Scienze Chimiche, or "XX3en_ic" for Industrial Chemistry. Clicking on the pen to finalize the enrollment.
You are now enrolled on the Analytical chemistry Echem test exam in Milan
Scienze Chimiche students should enroll in
1) AC3en
2) IC3en
3) OC3en
4) PC3en

Industrial Chemistry students should enroll in
1) AC3en_ic
2) IC3en_ic
3) OC3en_ic
4) PC3en_ic
5) CE3en_ic

The tests will be available for enrolling few minutes before the starting time.
After enrolling you are ready for performing the tests.
However, you will need a password that you can find on the next slide.
The tests will be online on July 10th from 9:00 am to 14:00 pm CET.

These are the passwords for each test:

<table>
<thead>
<tr>
<th>TESTS</th>
<th>PASSWORD</th>
</tr>
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<tbody>
<tr>
<td><strong>Scienze Chimiche</strong></td>
<td></td>
</tr>
<tr>
<td>Milano_AC3en</td>
<td>R8BQRB8C</td>
</tr>
<tr>
<td>Milano_IC3en</td>
<td>SUZ2SJZF</td>
</tr>
<tr>
<td>Milano_OC3en</td>
<td>JKDJW48Z</td>
</tr>
<tr>
<td>Milano_PC3en</td>
<td>IVX8CIJV</td>
</tr>
<tr>
<td>Milano_CE3en</td>
<td></td>
</tr>
</tbody>
</table>

**Industrial Chemistry**

| Milano_AC3en_ic              | T4W6ZEN4       |
| Milano_IC3en_ic              | ZQBEK8K7       |
| Milano_OC3en_ic              | 9IR6I5SX       |
| Milano_PC3en_ic              | B4NTSNYJ       |
| Milano_CE3en_ic              | GC9R8GKD       |

SAMPLE PASSWORDS, the correct ones will be sent to you 1/2 days before the test.

All letters are Capital (uppercase)
To simulate the exam, you can click on “Demo Test” (test di Prova).

It is important to try at least one Demo Test in order to verify the suitability of your microphone and webcam.

If you have done an exam with the new mode that provides facial recognition and distraction detection, please help us to improve our service by filling out a short questionnaire: [here](#)
Then you can choose the demo test you prefer. In our case the tests will be Analytical Chemistry 3, Inorganic Chemistry 3, Organic Chemistry 3 or Physical Chemistry 3. No demo test are available for Chemical Engineering.
As an example let's choose Analytical Chemistry 3
Then we choose the FACE RECOGNITION option because we will employ this option for remote testing during our Echem Test session.
We proceed further...
Once the green arrow appears, you are enrolled and ready to perform the test at any time.
If you want to start the test, then click on the green arrow and then on “Yes”
Once you have read the instructions below, you can insert the password and then click on “Start Test”.

- Show you ID before starting the test
- Show your face before starting the test

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The duration of the test is monitored by a clock that will decrease over time. Once at zero, the test will be closed by the system.

- Answers to questions can be given in random order and can be changed throughout the test.
- Answers that are identified by a radio button (circle) are mutually exclusive (only 1 answer can be selected).
- Answers that are identified by a check box can all be selected, but this will result in a zero score, as the correct answers will have a positive score, the wrong answers a negative score. Select only those for which the candidate is certain of correctness.
- At the end of the exam do not forget to submit the test by clicking on the ‘Submit’ button at the bottom of the page.

**Warning!**

This mode allows you to perform the exam remotely. To ensure the effectiveness of the test, the system adopts sophisticated control techniques, of which you must be aware in order for the test to be completed successfully. The test starts with a calibration phase in which your face must be identified. Then the background noise of the environment is detected. Once the test has started, the system will record every time the candidate's face is unrecognizable and every time you hear noises and voices as 'distractions' which will be highlighted with a yellow coloured page and a clear message. Once the distraction threshold is exceeded, the test will be aborted by the system. We therefore recommend the following (read carefully before starting the system calibration):

- Take the test in a room where the candidate is well lit, so that the face can be easily identified. These conditions must remain for the duration of the exam.
- Keep doors and windows closed and do not allow anyone to be present in the room. Any ringing of bells will not interfere. A very noisy truck, yes.
- During the test do not look away from the screen, do not look around. You can write on a sheet of paper as long as it is between the keyboard and the candidate, not on the side.
- The test window must always be active. If you try to open another window or browser tab, a distraction will be generated.
Once you will get the OK from all the four fields below (Webcam, User face, Microphone, and Ambient audio), the test will start.

The exam’s about to start. You have 10 seconds to prepare.
You won’t have to move. You’ll just have to look at the screen. You have to be the only person in the room. We’ll use the webcam and microphone to recognize you. If we detect other people, we may decide to stop the exam. If we detect speech, we may abort the exam without warning. If you click with the mouse outside the exam window, we may close the exam without notice.

Webcam detected: Loading
User face recognition: Loading
Microphone detected: Loading
Ambient audio recognition: Loading

If you do not get the OK (detected), it is because your browser is too old or because of other problems (see next slide).
Physical Requirements for the test

1) working webcam and driver;
2) We advice to use Google Chrome browser (second option Firefox);
3) Hardware not older than 7 years or with WebGL and Shader Model 3;
4) dual core cpu and at least 2GB ram;
5) working microphone;
6) the user needs to approve that the browser can access the webcam;
7) no other programs employing microphone or webcam such as teams, skype, meet, jitsi, etc, should be on execution;
8) the test room should have enough light for face recognition;
Set-up of the additional webcam (before performing the test)

The day of the test, every student needs to setup an additional webcam using an additional device (for example a smartphone) in addition to that one employed for performing the test.

The additional device should be placed in a way that the frame includes the entire working area (the keyboard, the desk, the monitor, etc.), the student himself and part of the room.

This additional device will be connected to the following zoom classroom:

https://us02web.zoom.us/my/echem.test.unimi

If the setup is not appropriate to perform the examination, the teacher will communicate it to the student via zoom. So you need to keep the audio of your additional device on and the microphone off.

If a student ignores the teacher warnings about the wrong setup, he/she will have all the tests invalidated.

Since the echem test last about 4hrs, the additional device should be put on charge during the tests.
You will be monitored while you are doing your test through the two webcams.

All irregular moves and all type of sounds are detected and transmitted to the teacher. Try to move as less as possible.

The automatic warnings that each student gets from the system have been limited in time to avoid the automatic test interruption.

We will decide if to validate or invalidate your test only after visioning your behavior during the entire test.

Headphones are not allowed.
INSTRUCTIONS while doing the TEST

1) when starting a test, finish it by clicking on "submit" at the end of the page. Do not interrupt the test or log-out, otherwise your echem test is invalidated;

2) For the OC3en test, when replying with the red filled circle, just click on the exact answer and the circle will move there;

3) Avoid to use your own calculator. The calculator is available for each test question;

4) Wrong answer or missing answer is 0 for OC, IC, and CE tests; for few PC and AC questions there are negative scores and there may be multiple corrected answers.

5) Numeric answers should be in the same format (digits) of the question. If the insertion box is red the format is not correct. If the insertion box is green then the answer is on the right format;

6) Scratch papers for calculations are allowed within the webcam field of view;

7) a certificate can be obtained from ECTN for each single test with the scores:
   >30 PASS (SUFFICIENTE)
   >50 GOOD (OTTIMO)
   >70 EXCELLENT (ECCELLENTE)
   The cost for each certificate is 40 Euros and it can be obtained at:
   http://www.chem-learn.com/services/certification/certificates-request/