



**UNIVERSITA' DEGLI STUDI DI MILANO**  
**PROGRAMME DESCRIPTION - ACADEMIC YEAR 2021/22**  
**MASTER DEGREE**

**Health Professions of Technical Sciences (diagnostic) (Classe LM/SNT3)**  
**Enrolled since 2011/12 Academic Year**

### **HEADING**

|                                                                |                                                          |
|----------------------------------------------------------------|----------------------------------------------------------|
| <b>Degree classification - Denomination and code:</b>          | LM/SNT3 Health professions for technical assistance      |
| <b>Degree title:</b>                                           | Dottore Magistrale                                       |
| <b>Length of course:</b>                                       | 2 years                                                  |
| <b>Credits required for admission:</b>                         | 180                                                      |
| <b>Total number of credits required to complete programme:</b> | 120                                                      |
| <b>Years of course currently available:</b>                    | 1st , 2nd                                                |
| <b>Access procedures:</b>                                      | Cap on student, student selection based on entrance test |
| <b>Course code:</b>                                            | D97                                                      |

### **PERSONS/ROLES**

#### **Head of Interdepartmental Study Programme**

Prof. Gianpaolo Carrafiello

#### **Tutors - Faculty**

Per i piani di studio:

prof. Gianpaolo Carrafiello

Per stage tirocini:

dott. Giovanni Tafuni

Per la mobilità internazionale:

dott. Giovanni Tafuni

#### **Degree Course website**

<https://pstd.cdl.unimi.it/it>

Email: [magistrale.tecnichediagnostiche@unimi.it](mailto:magistrale.tecnichediagnostiche@unimi.it)

### **CHARACTERISTICS OF DEGREE PROGRAMME**

#### **General and specific learning objectives**

The Master's degree programme in Health Professions of Technical Sciences (Diagnostic) aims to provide the graduate with an education which allows them to:

- incorporate preclinical and clinical foundations needed to train healthcare workers in diagnostic testing, whether with or without the support of medical instruments;
- apply, in a clinical setting, their baseline scientific knowledge as it pertains to their profession, in a manner helpful for making decisions relating to the organisation and management of healthcare services rendered by healthcare technicians;
- understand the actions of healthcare workers from an ethical, social, and moral perspective;
- assist in the design and creation of scientific data-processing systems, as well as their management and application within various contexts;
- harness, with respect to the organisation of healthcare services, and the management of available human and technological resources, all available competencies in management and business organisation, conducting the cost-benefit analysis therefor;
- conduct technical inspections and audits on specific segments within the healthcare system;
- employ, within the field of healthcare services, research tools and methods;
- plan and optimise the use of all operations aiming to increase resources (human, technological, IT, financial resources) available to the healthcare facility;
- plan and conduct training programmes for continuing education and updates at one's own clinic or facility;
- cultivate, as part of ongoing tutorship and coordination of internship activities for basic, complementary, and ongoing education, teaching skills to train aspiring professionals in one's field;
- instruct others on the legal aspects of the profession in terms of administrative and legal rules, and EU regulatory bodies, in order to facilitate international relations with governments or one's own professional board.

## Professional profile and employment opportunities

### SKILLS ASSOCIATED WITH THE RELATED FUNCTION:

The graduate will be able to utilise advanced methods in research, training, and management in rehabilitative sciences within their Class.

### PROFESSIONAL OPPORTUNITIES:

- executive roles in healthcare facilities (organisation/supervision within a facility, and providing services at an effective level), passing all competitive-procedure testing as required;
- university teaching, completing all testing required by applicable law;
- research within their professional field.

## EXPERIENCE OF STUDY ABROAD AS PART OF THE TRAINING PROGRAM

The University of Milan supports international mobility by providing its students with the opportunity to spend study and internship periods abroad. It is a unique chance to enrich your educational path in a new exciting environment.

The agreements entered into by the University with over 300 universities from the 27 EU member countries and other Extra-EU countries under the European Erasmus+ programme allow regularly enrolled students to carry out part of their studies at one of the partner universities or to undertake internships at companies, training and research centres and other organizations.

Similar international mobility opportunities are provided outside Europe, through agreements with a number of prestigious institutions.

### Study and internships abroad

Contacts and exchanges with foreign educational and health institutions are presently under development, with the aim to provide students with a reasonably broad range of international mobility programs. Based on the peculiarities of the training curriculum and the specific needs of the students, who predominantly work as health professionals in public and private institutions, the mobility programs will include training activities within the organizational and research domains.

### How to participate in Erasmus mobility programs

The students of the University of Milan can participate in mobility programmes, through a public selection procedure.

Ad hoc commissions will evaluate:

- Academic career
- the candidate's proposed study programme abroad
- his/her foreign language proficiency
- the reasons behind his/her application

Call for applications and informative meetings

The public selection generally begins around February each year with the publication of a call for applications specifying the destinations, with the respective programme duration (from 2/3 to 12 months), requirements and online application deadline.

Every year, before the deadline for the call, the University organizes informative meetings to illustrate opportunities and rules for participation to students.

Erasmus+ scholarship

The European Union grants the winners of the Erasmus+ programme selection a scholarship to contribute to their mobility costs, which is supplemented by the University funding for disadvantaged students.

Language courses

Students who pass the selections for mobility programmes can benefit from intensive foreign language courses offered each year by the University.

Learn more at <https://www.unimi.it/en/international/study-abroad/studying-abroad-erasmus>

For assistance, please contact:

International Mobility Office

Via Santa Sofia 9 (second floor)

Tel. 02 503 13501-12589-13495-13502

Contacts: InformaStudenti [mobility.out@unimi.it](mailto:mobility.out@unimi.it)

Student Desk booking through InformaStudenti

| Learning activity                                                                 |  | Ects | Sector                                                                 |
|-----------------------------------------------------------------------------------|--|------|------------------------------------------------------------------------|
| English assessment B1 (2 ECTS)                                                    |  | 2    | ND                                                                     |
| Interdisciplinary professional course 1                                           |  | 10   | (3) MED/50, (1) VET/06, (1) MED/08, (1) MED/37, (2) MED/05, (2) MED/36 |
| Medical law, ethical and professional-legal liability                             |  | 5    | (2) IUS/13, (2) IUS/07, (1) MED/43                                     |
| Practical training                                                                |  | 22   | MED/50, MED/46                                                         |
| Principles and instruments of business economics applied to the healthcare sector |  | 5    | SECS-P/07                                                              |
| Psychology applied to social relations, communication and group dynamics          |  | 8    | (2) M-PSI/06, (2) M-PSI/01, (2) M-DEA/01, (2) SPS/07                   |
| Statistics, epidemiology and history of the healthcare services                   |  | 7    | (3) MED/01, (2) MED/02, (2) MED/42                                     |
| Total compulsory credits                                                          |  | 59   |                                                                        |
| <b>Elective courses</b>                                                           |  |      |                                                                        |
|                                                                                   |  |      |                                                                        |
| <b>2nd COURSE YEAR Core/compulsory courses/activities common</b>                  |  |      |                                                                        |
| Learning activity                                                                 |  | Ects | Sector                                                                 |
| Educational project planning and management                                       |  | 4    | M-PED/01                                                               |
| Interdisciplinary professional course 2                                           |  | 9    | (2) MED/50, (2) MED/48, (1) MED/31, (2) MED/46, (1) MED/32, (1) MED/26 |
| Planning, organisation, and monitoring in healthcare organisations                |  | 6    | SECS-P/10                                                              |
| Practical training                                                                |  | 8    | MED/50, MED/46                                                         |
| Professional management                                                           |  | 6    | (2) M-PSI/06, (2) MED/44, (2) SPS/09                                   |
| Research methodology                                                              |  | 10   | (2) SECS-S/02, (2) BIO/11, (2) MED/04, (2) ING-INF/05, (2) M-FIL/03    |
| Total compulsory credits                                                          |  | 43   |                                                                        |
| <b>Elective courses</b>                                                           |  |      |                                                                        |
|                                                                                   |  |      |                                                                        |
| <b>COURSE YEAR UNDEFINED Core/compulsory courses/activities common</b>            |  |      |                                                                        |
| Learning activity                                                                 |  | Ects | Sector                                                                 |
| Other activities (laboratories)                                                   |  | 5    | ND                                                                     |
| Total compulsory credits                                                          |  | 5    |                                                                        |
| <b>End of course requirements</b>                                                 |  |      |                                                                        |
| Final exam                                                                        |  | 7    | NA                                                                     |
| Total compulsory credits                                                          |  | 7    |                                                                        |