



UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2024/25
BACHELOR
Pediatric nursing (Classe L/SNT1)
Enrolled since 2011/12 Academic Year

HEADING

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| Degree classification - Denomination and code: | L/SNT1 Nursing and midwifery |
| Degree title: | Dottore |
| Length of course: | 3 years |
| Total number of credits required to complete programme: | 180 |
| Years of course currently available: | 1st , 2nd , 3rd |
| Access procedures: | Cap on student, student selection based on entrance test |
| Course code: | D85 |

PERSONS/ROLES

Head of Interdepartmental Study Programme

Prof.ssa Monica Fumagalli

Tutors - Faculty

Per i piani di studio:

dott.ssa Serena Rampini

Tutor per stage e tirocini:

dott.ssa Lidia Zanotta

dott.ssa Serena Rampini

Tutor per laboratori e altre attività:

dott. Gabriele Sorrentino

dott.ssa Serena Rampini

Degree Course website

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

CHARACTERISTICS OF DEGREE PROGRAMME

General and specific learning objectives

The Bachelor's degree programme in Pediatric Nursing (degree class L/SNT1 - Nursing and midwifery) has a three-year duration.

The programme is worth 180 university credits (CFU/ECTS) and aims to train students to become fully-fledged pediatric nurses, by providing them with the required technical and scientific knowledge.

The study plan complies with the learning standards established by European Union legislation for the nursing profession, and includes both theoretical and practical classes as well as clinical training. Indeed, clinical training is a critical part of the study programme: internships are coordinated by top professors in the field, and student interns are supervised by professional tutors for the duration of their placement.

The Bachelor's degree programme in Pediatric Nursing of the University of Milan has been recognised by the Italian National Committee for UNICEF as a breastfeeding-friendly university programme (Corso di Laurea Amico dell'Allattamento) for the period 2017-2020.

In compliance with the EU standards mentioned above, graduates in Pediatric Nursing are expected to acquire the following knowledge and skills:

- the scientific, theoretical and practical knowledge needed to practise as a nurse, as provided for by EU Directives 89/48/EEC and 2005/36/EC;
- a solid grounding in core subjects, encompassing biological and hereditary phenomena, the functioning of organs and apparatuses, and psychological, social and environmental factors, with a view to applying this knowledge on the job;
- professional autonomy in providing all-round (i.e. technical, relational and educational) nursing care to pediatric patients, and in a variety of settings (preventive and palliative care, rehabilitation, protection of individual and collective health), in compliance with the laws governing the nursing profession and the relevant code of ethics;
- methodological skills for developing goal-based care plans, by applying the nursing process to pediatric patients;

- knowledge of the fundamentals of nursing, the conceptual models of nursing care, the evolution of the nursing profession and the related bioethical, deontological and medico-legal principles;
- the ability to contribute, within the limits of their own role, to identifying and meeting the health needs of pediatric patients (i.e. newborns, children and adolescents) in prevention, treatment, rehabilitation and palliative care settings, by adopting tailored measures to support patients and their families, and by collaborating with other social and healthcare workers;
- the ability to interact with young patients and their family members in a way that is appropriate to their age and takes into account their status, as well as their cultural, religious and ethnic background;
- knowledge, skills and experience to be able to ensure the correct administration of prescribed treatments and medications;
- knowledge of nursing research methodologies, the organisation of nursing services, and professional liability issues;
- the ability to immediately intervene in the case of clinical emergencies, by providing the necessary first-aid measures within the limits of their own role, in order to ensure survival and the best possible assistance;
- knowledge of the main actions to be taken in the event of a catastrophe;
- the ability to take ownership of their own professional development through lifelong learning;
- the ability to avail themselves of the collaboration of support staff, if necessary, and to participate in their training;
- proficiency in one language of the European Union besides Italian.

Graduates in Pediatric Nursing are also expected to have knowledge of the following:

- the fundamental notions needed to identify the physical, psychological and socio-cultural needs of pediatric patients in terms of nursing care (in both straightforward and complex situations), to define nursing goals, and to implement and evaluate evidence-based pediatric nursing interventions, by applying the nursing process and its conceptual models;
- the fundamental notions needed to develop an integrated care approach that takes into account the patient's age group, values and cultural and religious background, and critically evaluates the clinical, relational, educational, social and ethical aspects of pediatric nursing in prevention, assistance, rehabilitation and palliative care settings, with a view to restoring the patient's wellbeing, to the extent possible;
- the theoretical and methodological basics of physics, statistics and computer science, as necessary to identify, understand and interpret biomedical phenomena;
- the fundamentals of biological organisation and the molecular and biochemical mechanisms of life processes and their metabolic correlates;
- the structural organisation of the human body and the mechanisms that govern embryonic development and organ differentiation;
- the main morphological features of human systems, apparatuses, organs, tissues, cells and subcellular structures, as well as their morpho-functional correlates;
- the different human organs and how they form dynamically functioning systems or apparatuses, as well as the general mechanisms that control bodily functions in physiological conditions;
- the dynamics of individual and group behaviour, and the basic principles of behavioural analysis in children;
- the causes of diseases in childhood and the main pathogenetic and pathophysiological mechanisms;
- the most common diseases in childhood (considered in the broader context of human pathology) and the related medical, surgical and pharmaceutical treatment options;
- the main diagnostic methods in pediatrics, the provisions on radiation protection and the use of radiations laid down by EU directives (Italian Legislative Decree no. 187 of 26 May 2000), and the guiding principles for using biomedical technologies;
- rules and principles concerning hospital hygiene and infection prevention and control in hospital and community settings;
- tools and methodologies for reviewing and assessing the quality of care.

Professional profile and employment opportunities

Pediatric nurses are healthcare professionals responsible for providing all-round (i.e. technical, relational and educational) nursing care to pediatric patients in prevention, treatment, palliative care and rehabilitation settings. Therefore, their main functions are disease prevention, caring for sick children and children with disabilities, and health education.

In particular, pediatric nurses:

- contribute to identifying the physical and mental health needs of newborns, children and adolescents, and their families;
- identify the needs of pediatric patients in terms of nursing care and define the relevant goals;
- plan, conduct and assess pediatric nursing care interventions;
- participate in health education initiatives for families and the community, as well as in health promotion and injury/illness prevention programmes intended for healthy children; provide nursing care to newborns and patients under 18 years of age suffering from acute and chronic diseases, in outpatient and inpatient settings as well as at the patient's home; take part in illness prevention as well as healthcare and social assistance programmes addressed to adolescents;
- ensure the correct administration of prescribed treatments and medications;
- work both independently and in collaboration with social and healthcare workers, and avail themselves of the help of support staff, if necessary.

Graduates holding this Bachelor's degree are legally qualified to practise as pediatric nurses in public or private healthcare facilities as well as at the patient's home, whether as employees or independent professionals.

Initial knowledge required

To be admitted into the degree programme, a candidate must have an Italian secondary-school diploma or similar diploma obtained overseas and deemed equivalent.

Admission into the programme is capped, at a national level, pursuant to Law no. 264 of 2 August 1999.

The number of students who may be admitted is set each year pursuant to a decree of the Ministry of Universities and

Research (MUR), based on findings provided by the university in terms of available instructional, classroom, and clinical resources (human and otherwise), as well as the demand for the type of professionals contemplated for this Class as determined by the Region of Lombardy, and the Ministry of Health.

The admission test will be administered as a national exam, generally in the month of September. The date will be set pursuant to a decree of MUR.

Additional learning requirements (OFA)

Students who answered less than 50% of the Biology and Chemistry questions on the admission test will be required to finish a set of additional learning requirements (OFA). These prerequisites may be met through specifically assigned remedial work. Any failure to complete the OFA will make it impossible for the student to sit the exam in: General Science.

Timely notice of the various courses will be posted to: <https://infermieristicapediatrica.cdl.unimi.it/it>

Compulsory attendance

Attendance of all coursework, and all internship activities, is mandatory.

Degree programme final exams

Degrees in Pediatric Nursing are awarded at the end of three years of study once a student has passed all relevant exams, including the English-language proficiency examination, for a total of 173 CFU, as well as a final theoretical/practical exam worth 7 CFU, for a total of 180 CFU.

The final examination acts as a State Exam which serves to license students to practice the profession.

Campus

The educational programming for the Degree Programme in Pediatric Nursing takes place at National Health Service locations holding academic accreditation.

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 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.

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 for Erasmus+ mobility for study generally begins around February each year with the publication of a call for applications specifying destinations and requirements. Regarding the Erasmus+ Mobility for Traineeship, the University of Milan usually publishes two calls a year enabling students to choose a destination defined by an inter-institutional agreement or to find a traineeship position on their own.

The University organizes informative meetings to illustrate mobility opportunities and rules for participation.

Erasmus+ scholarship

The European Union grants the winners of the Erasmus+ programme selection a scholarship to contribute to their mobility costs, which may be 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 Language Centre (SLAM).

<https://www.unimi.it/en/node/8/>

Learn more at <https://www.unimi.it/en/node/274/>

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
Student Desk booking through InformaStudenti

| 1st COURSE YEAR Core/compulsory courses/activities common | | |
|--|-------------|--|
| Learning activity | Ects | Sector |
| Basic Sciences | 4 | (1) BIO/10, (1) FIS/07, (2) BIO/13 |
| English assessment B1 (2 ECTS) | 2 | ND |
| General pathology and diagnostics | 5 | (2) MED/04, (1) MED/07, (1) MED/36, (1) BIO/12 |
| Human anatomy e physiology | 5 | (2) BIO/09, (1) BIO/17, (2) BIO/16 |
| Maternal and infant care basics | 7 | (1) MED/38, (1) MED/49, (1) MED/40, (1) MED/47, (3) MED/45 |
| Nursing sciences and Human and pedagogical sciences | 7 | (1) M-PSI/04, (1) M-PSI/01, (1) M-PED/01, (4) MED/45 |
| Placement year 1 | 18 | MED/45 |
| Prevention and health services | 4 | (1) MED/45, (1) MED/44, (2) MED/42 |
| Total compulsory credits | | 52 |
| Elective courses | | |
| 2nd COURSE YEAR Core/compulsory courses/activities common | | |
| Learning activity | Ects | Sector |
| Neonatology 1 | 8 | (3) MED/38, (1) MED/20, (3) MED/45, (1) MED/34 |
| Pediatric sciences 1 | 5 | (1) MED/39, (2) MED/38, (1) MED/30, (1) MED/35 |
| Pediatric sciences 2 | 5 | (1) MED/38, (4) MED/45 |
| Pediatric surgical sciences | 6 | (1) MED/33, (1) MED/20, (4) MED/45 |
| Pharmacology and anaesthesiology | 6 | (3) MED/45, (2) BIO/14, (1) MED/41 |
| Placement year 2 | 25 | MED/45 |
| Total compulsory credits | | 55 |
| Elective courses | | |
| 3rd COURSE YEAR Core/compulsory courses/activities common | | |
| Learning activity | Ects | Sector |
| Clinical nursing and research | 7 | (2) MED/01, (2) MED/45, (2) INF/01, (1) MED/42 |
| Educational placements | 6 | NA |
| Neonatology 2 | 5 | (2) MED/38, (1) M-PSI/01, (2) MED/45 |
| Pediatric and neonatal critical care | 6 | (1) MED/38, (1) MED/20, (3) MED/45, (1) MED/41 |
| Pediatric sciences 3 | 4 | (2) MED/38, (2) MED/45 |
| Placement year 3 | 28 | MED/45 |
| Professional responsibility and organization of nursing | 4 | (3) MED/45, (1) MED/43 |
| Total compulsory credits | | 60 |
| Elective courses | | |
| End of course requirements | | |
| Final examination | 7 | NA |
| Total compulsory credits | | 7 |