



UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2022/23
BACHELOR
Audioprosthesis Techniques (Classe L/SNT3)
Enrolled since 2011/12 Academic Year

HEADING

Degree classification - Denomination and code:	L/SNT3 Health professions for technical assistance
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:	D77

PERSONS/ROLES

Head of Interdepartmental Study Programme

Prof.ssa Giovanna Cantarella

Tutors - Faculty

Per l'orientamento:

prof.ssa Giovanna Cantarella

Per i piani di studio:

dott.ssa Eliana Filipponi

Per stage e tirocini:

dott. Maurizio Clerici

per tesi di laurea:

prof.ssa Giovanna Cantarella

Degree Course website

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

CHARACTERISTICS OF DEGREE PROGRAMME

General and specific learning objectives

Those earning a degree in audio-prosthetic techniques, pursuant to European Union guidelines, must have:

- the scientific bases, and the theory and practice needed to understand biological and hereditary phenomena, the principal methods of function of the organs and related apparati, as well as an understanding of the psychological, social, and environmental aspects of the same;
- an understanding of the evolution of the profession, and the foundations of the audioprosthesis treatment process;
- an understanding of the foundations, trends, and characteristics of the theory and models of audioprosthesis theory and conceptual models;
- an understanding of the standards and regulations that govern the practice and responsibilities of an audioprosthesis technician;
- an understanding of the principles of bioethics, professional ethics, as well as legal and medical standards applicable to the profession;
- the ability to develop an integrated patient-centred approach, critically assessing the pathological auditory aspects in a clinical, patient-care, patient-education, social and ethical setting involved in the prevention, care, rehabilitation, surgical setting, and in recovering a higher degree of wellbeing;
- the expertise and professional standards that orient the diagnostic and rehabilitative process and thought and action with respect to patients and the community, applying these standards in practice at an accredited healthcare facility, clinic or hospital;
- a level of professional, decision-making, and operational autonomy thanks to a programme that takes a holistic approach to health problems, including an analysis of the patient's chemical-physical, biological and social environment;
- essential theoretical knowledge predicated on scientific foundations, with a view toward applying them in one's professional career;

- the capacity to find and critically assess data relating to patient needs for audio-prosthetic aids and the community, setting the objectives for the same;
- knowledge, ability, and experience needed to plan, manage, and assess the need for hearing aids in the patient;
- knowledge, ability, and experience needed to ensure the proper application of all prosthetic and diagnostic prescriptions and treatments;
- the ability to take part in identifying the health-related needs of the individual and the community;
- the ability to pursue one's own continuing professional education;
- the diligence to seek out continuing education, and the tools to do so;
- the ability to cooperate and work with a diverse set of healthcare professionals on team projects and decision-making;
- the ability to properly delegate to, and use the talents of, support staff, and to contribute to their training;
- teaching activities geared toward student clinical experience;
- gain an awareness of the ethics and history of medicine, with particular reference to deafness and audio-prosthetic aids;
- gain an appropriate and effective bedside manner with patients and family members;
- the educational training to assist with student education;
- gain the ability to work and interact proactively on an intra-professional team for the purpose of planning and sharing assessments and rehabilitation for patients with multiple handicaps.

Professional profile and employment opportunities

The Audioprosthesis Technician is a healthcare worker who handles the supply, adjustment, and monitoring of prosthetic aids used to prevent or correct auditory deficits; they comply with physician prescriptions and provide professional services that imply their full responsibility, and thus professional autonomy.

The activities of the Audioprosthesis Technician are geared toward applying prosthetic supports by testing external auditory function, the construction and fitting of hearing aids and other acoustic support systems, and the administration of prosthesis-assessment tests.

This Technician works with other professionals in deafness prevention and rehabilitation by supplying prosthetic protections, and training patients to use them.

Graduates of the Audioprosthesis Techniques programme may work for laboratory facilities or clinics in the public or private sector, as authorised under applicable law, as either an employee or independent professional. A basic proficiency in the English language allowing them to work both in Italy, or in Europe (or beyond) is important.

Graduates of the Audioprosthesis Techniques programme can find employment in the field of hearing-impairment rehabilitation; thanks to their specific expertise, they can find employment in:

- _ Selecting, preparing, and monitoring of audiological prosthetic materials;
- _ Technical research and consultancy and quality control at entities and laboratories that make acoustic prosthetics;
- _ Specific technical services at centres and hospitals providing treatment for the hearing impaired;
- _ Collaborating with university medical, physics, or engineering programmes;
- _ Foreign and domestic manufacturing businesses and sales agencies operating in the field of audioprosthesis;
- _ Activities as an employee or independent contractor with any healthcare facility or clinic in the public or private sector.

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.

2020 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: Biology and Genetics.

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

Compulsory attendance

Attendance of all educational activities contemplated in the study programme is mandatory.

To be allowed to sit for the for-credit exam, students must have attended at least 75% of the educational programming contemplated for each course.

Internships must be undertaken and completed within the designated year; students enrolled in subsequent years will not be permitted to register.

Degree programme final exams

Degrees 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 exam consists in the submission and defence of a written thesis on a topic relating to practical-clinical work completed during the students for-credit pre-professional internship.

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

Campus

Educational activities for the Degree Programme in Audioprosthesis Techniques are offered through the teaching facilities available to the Faculty of Medicine and Surgery, including a number of teaching hospitals, both public and private, within the national health service, holding academic accreditation. Departments and Institutes of the Faculty of Medicine and Surgery, as well as diagnosis and care clinics operating within accredited healthcare facilities, are equipped with state-of-the-art equipment and leading professionals in the field of ear, nose, and throat medicine, and audiology; these are likewise used for professional training and activities relating to the final exam for the degree programme.

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.

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

Student Desk booking through InformaStudenti

1st COURSE YEAR Core/compulsory courses/activities common		
Learning activity	Ects	Sector
1st year laboratory: instruments for environmental measurements	1	ND
1st year seminar: audiometrical diagnostic strategies	1	ND
Anatomy and histology	4	(1) BIO/17, (3) BIO/16

Apprenticeship (1st year)	22	MED/50
Audiology: techniques of audiological investigation	4	MED/32
Biology and genetics	6	(2) MED/03, (2) BIO/13, (2) BIO/12
Computer Science Course	3	INF/01
English assessment B1 (2 ECTS)	2	ND
Physics and statistics	6	(2) MED/01, (2) ING-INF/07, (2) FIS/07
Physiology, pathology and pathological anatomy	5	(2) MED/04, (2) BIO/09, (1) MED/08
Psychology and sociology	5	(1) MED/02, (2) M-PSI/01, (2) SPS/07
	Total compulsory credits	59
Elective courses		
2nd COURSE YEAR Core/compulsory courses/activities common		
Learning activity	Ects	Sector
2nd year laboratory: earmold	1	ND
2nd year seminar: hearing aid instrumental diagnosis	1	ND
Applied technical and medical science I	5	MED/50
Apprenticeship (2nd year)	21	MED/50
Audiology and audiophonology	5	(1) MED/31, (2) L-LIN/01, (2) MED/32
Medicine	7	(4) MED/09, (2) MED/32, (1) MED/05
Physiopathology of the auditory and vestibular system	8	(2) MED/39, (2) MED/31, (1) MED/32, (2) MED/26, (1) MED/36
Science of prevention and sanitary management	9	(2) SECS-S/02, (1) IUS/07, (1) SECS-P/10, (2) MED/43, (2) MED/42, (1) SPS/09
	Total compulsory credits	57
Elective courses		
3rd COURSE YEAR Core/compulsory courses/activities common		
Learning activity	Ects	Sector
3rd year laboratory: hearing aids materials and assembly	1	ND
3rd year seminar: marketing and sales	1	ND
Applied technical and medical science II	10	MED/50
Apprenticeship (3rd year)	32	MED/50
Hearing aid science and techniques	7	(2) ING-INF/07, (1) MED/32, (4) ING-IND/22
	Total compulsory credits	51
Elective courses		
End of course requirements		
Final test	7	ND
	Total compulsory credits	7