



UNIVERSITY OF L'AQUILA



Department of Health, Life
and Environmental Sciences

Profile of

2nd Cycle Degree in
SCIENCES OF HEALTH
PROFESSIONS FOR TECHNICAL
ASSISTANCE

Laurea Magistrale in
SCIENZE DELLE PROFESSIONI SANITARIE
TECNICO-ASSISTENZIALI

DEGREE PROFILE OF
Laurea Magistrale in SCIENZE DELLE PROFESSIONI
SANITARIE TECNICO-ASSISTENZIALI
Second Cycle Degree in SCIENCES OF HEALTH
PROFESSIONS FOR TECHNICAL ASSISTANCE

TYPE OF DEGREE & LENGTH	Single Degree (120 ECTS-credits)
INSTITUTION(S)	Università degli Studi dell'Aquila - University of

	<i>L'Aquila, ITALY</i>
ACCREDITATION ORGANISATION(S)	Italian Ministry of Education and Research and Ministry of Public Health Italian Association of Diagnostic Technologists A.N.T.E.L. (www.conftecnicie.it), A.I.T.I.C. (www.cadelora.it)
PERIOD OF REFERENCE	Programme validated for 3 years for cohorts starting in October 2012
CYCLE /LEVEL	QF for EHEA: Second Cycle; EQF level: 7; NQF for Italy: Laurea Magistrale

A	PURPOSE	
	<p>Graduates of this course are licensed health professionals and specialists with a good understanding of the basic scientific knowledge relating to their specific professional profile with ability in decision-making process for the organisation and management of healthcare services provided by clinical healthcare personnel in the medical field, within healthcare facilities. The programme is in accordance with the Italian <i>Ministry Decree n.509/1999 (and following revisions/integrations)</i>.</p> <p>The Master degree in Sciences of Health Professions for Technical Assistance provides the students with the knowledge and skills to enable them to better understand the assistance, managing, training and research concerning each specific health professional profiles (technologists of audio prosthesis, cardiovascular physiopathology, cardiovascular perfusion, dental hygiene, diet and nutrition) . Furthermore the graduates are able to plan/evaluate and manage the health services in view of cost/benefit ratio in order to improve the quality of life of the patient and optimize the human capital.</p> <p>The programme meets the requirements of European and National laws and Directives. Degree holders obtain the credentials for National Certification as “coordinator” and to join the Italian Association of “<i>Professioni Sanitarie dell’Area Tecnico-Assistenziale</i>”, established by Education Ministry Decree on 14/04/2005.</p>	
B	CHARACTERISTICS	
1	DISCIPLINE(S) / SUBJECT AREA(S)	Strong theoretical basis on Sciences and Medicine, assistance Practice (20:30:50)
2	GENERAL / SPECIALIST FOCUS	Specialist on assistance Techniques with focus on Management issues
3	ORIENTATION	It is an academic degree with a professional orientation applied to the theory and practice of assistance Technologists professional profile, according to International and National Directives on Allied Health Professions.
4	DISTINCTIVE FEATURES	This degree has a strong component of interdisciplinary learning with other Health Care professionals and is developed in a stimulating research environment. Students have a 3/6-months placement in health departments, organisations in Italy and/or abroad for on-field working experiences and research activities.
C	EMPLOYABILITY & FURTHER EDUCATION	
1	EMPLOYABILITY	Upon successful completion of the Programme, graduates are eligible to work as Coordinator and join the National Associations

		A.N.T.E.L. (www.conftecnic.eu), A.I.T.I.C. (www.cadelora.it) who have fulfilled the requirements of European Directive ("Professional Qualifications Directive" 2005/36/EC) on the Recognition of Professional Qualifications. Graduates carry out their professional activities in health care facilities, public or private, either as employees or freelance workers, as supervisors/organizers of efficacious services and structures. Furthermore they can carry out research and teaching activities at university.
2	FURTHER STUDIES	The Master Degree in Sciences of Health Professions for Technical Assistance normally gives direct access to a wide range of PhD degree programmes in the fields encompassed on Allied Healthcare Professionals. It also gives access to some specializing professional courses.
D	EDUCATION STYLE	
1	LEARNING & TEACHING APPROACHES	Lectures, group-work, individual study and autonomous learning, interprofessional learning, self directed study, work placement.
2	ASSESSMENT METHODS	Assessment is normally made by means of an oral or written examination. The final exam consists in the discussion of a written text aimed at demonstrate that the candidate has acquired the essential professional skills and competences related to the professional profile. Degree holders obtain the credentials for National Certification as Assistance Technologists .
E	PROGRAMME COMPETENCES	
1	GENERIC	<p>The degree programme meets the competences and quality assurance procedures required by <i>Italian Association of health care Technologists</i> established by Italian Law 14/04/2005 and by the National Higher Education Quality Assurance Agency (AVA) requirements for degree courses at second level. This includes the Generic Competences expected for the second cycle graduated, as follows:</p> <ul style="list-style-type: none"> — Analysis and synthesis: Knowledge and understanding of the subject-specific profession and ability to be critical and self-critical and to make autonomous judgments; — Flexible mind: Ability to make autonomous reasoned decisions and to interact with others in a constructive manner, even when dealing with difficult issues; — Leadership, Management and Team-working: Ability to work in a team and to interact constructively with others regardless of background and culture and respecting diversity; — Communication skills: Ability to communicate both orally and through the written word in first language and in another European language; — Field culture: Ability to apply knowledge in practical situations and to act on the basis of ethical reasoning; ability to evaluate and maintain the quality of work produced; — Learning ability: Capacity to learn and stay up-to-date with learning — Problem solving: Ability to identify, pose and resolve problems in new or unfamiliar environments within broader and multidisciplinary contexts in providing, organizing and optimizing health care services.
2	SUBJECT SPECIFIC	<p>The Programme meets all the Specific Competences as established and agreed in collaboration with the field stakeholders, clustered within the key overarching competences summarized below:</p> <p>Deep knowledge and understanding:</p> <ul style="list-style-type: none"> - of their specific professional profile roles, tasks, commitment; <p>Comprehension/understanding:</p> <ul style="list-style-type: none"> - ability to apply the basic scientific knowledge relating to their specific professional profile required to make decisions concerning the organisation and management of

	<p>healthcare services provided by clinical healthcare personnel in the medical field, within healthcare facilities;</p> <p>-ability to independently combine specific professional skills with understanding of the different areas of Allied Health care professionals practice;</p> <p>Analysis:</p> <p>- Ability to analyse, assess and evaluate health care services in collaboration with other health care professionals as well as to take actions for the achievement of personnel ethic, social and moral behavioral attitude;</p> <p>Application:</p> <p>- Ability to plan, carry out and assess the effects of coherent and adequate health care interventions;</p> <p>- Capacity to employ the requisite health economics and business organisation competences to organise healthcare services and manage the human and technological resources available, evaluating the cost/benefit ratio;</p> <p>- Ability to check and verify the correct functioning of the technological resources, to take care of ordinary maintenance and functioning;</p> <p>Synthesis:</p> <p>- Capacity to provide reasons for the chosen actions and solutions on the basis of reasoning, decision-making, documentation and evaluation processes;</p> <p>- Ability to plan and organise the activities in the structure where they work by optimizing the human and technological resources available in view of cost/benefit ratio;</p> <p>Creativity:</p> <p>- Ability to plan and adapt instruction, guidance and advice as regards problems with time and equipment management;</p> <p>- Ability to plan and enhance the actions aiming to increase human, technological, information and financial resources of the health structures where they work;</p> <p>Evaluation:</p> <p>- Ability to perform continuous quality assessment and evaluation of outcomes and results;</p> <p>- Ability to identify, design and provide refresher and continuing training courses for the professional figures employed in the structure;</p> <p>Problem managing:</p> <p>- ability to coordinate, administer and manage specific services and general healthcare services offered to patients with a focus on health promotion, prevention and resilience;</p> <p>Communication:</p> <p>- ability to communicate both verbally and in writing with patients, relatives, colleagues and other professional groups in multidisciplinary and multiprofessional collaboration.</p>
F	<p>COMPLETE LIST OF PROGRAMME LEARNING OUTCOMES</p> <p>A newly graduated Master of Sciences of Health Professions for Technical Assistance should be able to:</p> <ul style="list-style-type: none"> - Independently combine organizational/managing skills with understanding of the different areas of care technologies; - State the safe limits of tools and report malfunctions to the proper authority; - Practice effective communication with patients and other health professionals; - Provide basic patient care, comfort, anticipate patient needs, and patient education; - Recognize emergency patient conditions and initiate first aid and basic life support procedures; - Demonstrate professional interpersonal, oral, and written communications skills sufficient to serve the needs of patients and the public including an awareness of how diversity may affect the communication process; - Demonstrate professional conduct and apply legal, social, and ethical responsibilities within the health care environment; - Organise, optimize and enhance human capital, structural, technological and financial resources. - Employ the requisite health economics and business organisation competences to organise healthcare services and manage the human and technological resources available, evaluating the cost/benefit ratio; - Oversee specific sectors of the health organisation within the sphere of clinical

	<p>healthcare;</p> <ul style="list-style-type: none"> - Employ research methodologies and instruments in the organisation of healthcare services - Oversee the optimisation of all resources (human, technological, educational and financial) employed in healthcare facilities; - Apply basic scientific principles in learning new techniques and procedures and develop teaching capacities relating to their specific professional profile through tutorials and the coordination of internships aiming to provide basic, further and continuing training.
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**Comprehensive Scheme of the 2nd Cycle Degree in
SCIENCES OF HEALTH PROFESSIONS FOR TECHNICAL
ASSISTANCE**

YE A R	CO D E	COURSE	Credits (ECTS)	SEMES TER
I	D222 4	Biomedical insights applied to Technical Sciences of class I	6	1
	D396 6	Psychosocial Sciences applied to Educational Processes	12	1
	D224 6	Biomedical insights applied to Technical Sciences of class II	10	2
	D225 4	Biomedical insights applied to Technical Sciences of class III	15	2
	D363 8	Work Placement I	14	2
II	D413 8	Healthcare Management I	12	1
	D413 7	Insights of Technical Assistance Methods	3	2
	D413 9	Healthcare Management II	12	2
	D364 0	Work Placement II	16	2
I or II	D295 0	Other activities/courses: ✓ Further Language courses (3 ECTS) ✓ Further training (5 ECTS)	8	2
	D407 9	Optional free choice courses	6	2
II	D205 4	Thesis	6	2