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DEGLI STUDI  
DI PALERMO

L'Università  
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**2015**

School of **Medicine**  
and **Surgery**

*Subjects, Educational Offer,  
Professional opportunities*



Scuola  
di **Medicina**  
e **Chirurgia**  
di Palermo

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| Clinic | Surgery | Diagnostics | Prevention |

## School of Medicine and Surgery

The School is the reference for healthcare training and for clinical-care relations with the NHS. It consists of five departments, where professors, administrative staff, trainee doctors, doctoral students, research fellows and students operate. Besides the traditional integrated master degrees in "Medicine and

surgery" and "Dentistry", 3 master degrees are active, 10 degrees for health professions that meet the health local needs and 42 specialization schools that allow medical graduates to achieve the next professional goal. The research carried out at the Departments addresses the main themes of basic, translational and clinical scientific research, developed in

bio molecular, oncology, haematology, immunology, cardiovascular, endocrine-metabolic, neurobiological, surgery and public health areas. The clinical care activity lies primarily in the University Hospital "Paolo Giaccone", where the complex structures are directed by professors of the School and are essential for training.

Besides these complex structures, there are some others in hospitals that are part of the training network of the School; all students can attend these hospitals and perform the activities of professional training provided in the curricula.

The President of the School  
Francesco Vitale

## Subjects

### Clinic

Medicine has the objective to train doctors, dentists and other professionals in the health field, who have a biomedical and humanist scientific culture and a multidisciplinary vision centred on diseased people. The disease is seen as the result of organic, psychological, social, familiar and lifestyles factors. To achieve the goal of training health professionals, education starts from the knowledge (core subjects), through the skills (attending hospitals), till the interpersonal skills. This path realizes in the formation of Graduates in "Medicine and surgery", in "Dentistry" and Health professions (Nursing, Midwifery, Physiotherapy, Speech Therapy, Orthotics, Techniques of Psychiatric Rehabilitation). The professional training is crucial for the graduate in Medicine who intends to carry on the activity of general practitioner, to continue studies in the Specialization Schools in clinical area, to do clinical research.

### Surgery

In patient care surgery is a fundamental aspect, in many cases it is a decisive discipline for healing, which uses knowledge and evolving technologies, aimed at the realization of more complex and conservative surgery. The surgeon has a degree in medicine or dentistry, with extraordinary manual skill, decision-making capacity, especially when called to perform emergency interventions, but also deep humanity and capacity for dialogue with the patient. The decision to become a surgeon grows during programs in "Medicine" and in "Dentistry": surgery teachings, in fact, are expected from the fifth and sixth year. The degree in "Medicine and surgery" allows to continue studies in the Specialization Schools of surgical area or perform surgery applied research.

### Diagnostics

A key step in treating the disease is the time of diagnosis: technology at the service of medicine. The complete automation of equipment allows you to perform real-time laboratory tests whose results help the doctor to check the status of health/disease of the patient and give direction in diagnostic choices. Students in "Biomedical laboratory techniques" carry out training activities in the laboratories of the School. Similarly Radiology uses complex and sophisticated equipment which makes use of ionizing radiation, ultrasound, magnetic fields. The students of "Radiological techniques" attend the Radiology service of the School of Medicine. The numerous research laboratories allow to acquire new knowledge of the pathophysiological mechanisms that lead to disease and are attended by students in "Medicine" and in "Medical biotechnology and molecular medicine" engaged in basic scientific research. The program in "Medicine" provides access to the Specialization Schools of the services area.

### Prevention

Educating to health means involving everyone in a program aimed at reducing the number of patients and the improvement of quality of life. Today's challenge is directed to health promotion in most vulnerable population groups (children, the elderly, immigrants, etc.) and the prevention of more serious diseases, often incurable. Prevention interventions may be directed to the environment (protection of water, air, soil, food, control of production activities and safety in the workplace), or people (schools, families, workers, community). Degrees in "Prevention techniques for the environment and workplace" and "Healthcare assistance" form professionals responsible for such activities. Graduates in "Medicine and surgery" may access to the Specialization Schools of the services area of Public Health or do epidemiological - preventive research.

## Educational offer

### Professional degree (2 years)

- L/SNT1
  - Nursing
  - Midwifery
- L/SNT2
  - Physiotherapy
  - Speech therapy
  - Orthotics
  - Psychiatric rehabilitation technique
- L/SNT3
  - Biomedical laboratory techniques
  - Medical and image diagnostics and radiotherapy techniques
- L/SNT4
  - Healthcare assistance
  - Prevention techniques for the environment and workplace

### Integrated master degrees (6 years)

- LM-41 – Medicine (PA - CL)
- LM-46 – Dentistry

### Master degree (2 years)

- LM-9 – Medical biotechnologies and molecular medicine
- LM-SNT/1 – Nursing and midwifery
- LM-SNT/2 – Health rehabilitation science

## Professional opportunities

### Degrees

Graduates may find a job in the Health Professions as employees in hospitals and local public and private health facilities. The degree offers a qualification that allows to perform freelance activity in individual or associated professional studios. Graduates may also access the master degree of their class.

### Master degrees

Graduates in "Medicine" and "Dentistry" may operate as independent professionals (doctors, dentists) and in convention with the NHS. They may also perform management activity in local public or private hospitals. The degree in "Medicine and Surgery" is the requirement to access to Specialization schools. Master Graduates in the health professions may play, after the competition, the role of coordinator in Public Health facilities; graduates in "Medical biotechnology and molecular medicine" may carry out their activities in research centres, in the pharmaceutical, diagnostic and biotechnology industries. They may teach in A06class.