



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE
IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"



University of Messina

Department of Biomedical and Dental Sciences and Morphological and Functional
Images

SINGLE CYCLE DEGREE COURSE IN MEDICINE AND SURGERY
(CLASS LM-41)

STUDENT COURSE CATALOGUE

Academic Year 2019/20

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica "A. Santoro", I Piano
Via Consolare Valeria - 98125 Messina
Tel. 0902213361 - Fax 090692449
Website: <https://www.unime.it/it/cds/medicine-and-surgery>
Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE
IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

Specific learning objectives

The principal objective of the Single Cycle Degree Course in Medicine and Surgery - named University of Messina International Medical School (UniMe-IMS) - is to train medical doctors who will have theoretical and practical multidisciplinary knowledge as well as methodological expertise; they will demonstrate professional abilities in decision-making and operational autonomy for health promotion, prevention and the treatment of diseases in Italy and internationally. The Course trains students in the methodological foundations of scientific research and forms the basis for lifelong learning.

Professional profile and occupational and professional opportunities for the graduates

Graduates will be prepared to carry out the task of health promotion and disease prevention. They will also be able to diagnose diseases, implement the appropriate therapeutic treatment, and monitor treatment in compliance with medical ethical and responsibility principles.

Students will acquire the necessary skills to properly perform in the profession. These skills include:

- knowledge of the necessary theoretical and practical bases of the current directive for the practice of the medical profession;
- acquisition of a level of professional, decision-making and operational autonomy based on an interdisciplinary approach to the health problems of healthy or sick people in relation to their environment;
- competence in examining the data on the individual's health and illness status, in a single vision, interpreting them critically also in the light of basic scientific knowledge;
- knowledge of the state of international health, global trends of morbidity and mortality of diseases in the era of globalization;

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica "A. Santoro", I Piano
Via Consolare Valeria - 98125 Messina
Tel. 0902213361 - Fax 090692449
Website: <https://www.unime.it/it/cds/medicine-and-surgery>
Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE
IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

- skills, experience and sensitivity to face and responsibly solve the priority problems related to health from an ethical, preventive, diagnostic, prognostic, therapeutic and rehabilitative point of view;
- ability to clearly communicate and through a humanistic approach with the patient and his family, even in international and multicultural contexts;
- ability to identify community health problems by intervening in a competent manner, based on the principles of effectiveness and appropriateness of clinical practice;
- capability of active role in group activity involving different health professionals also within international and multicultural contexts;
- knowledge of methodology and culture appropriate to the practice of lifelong learning;
- knowledge of methods and capability of critical evaluation for participating in scientific activities run by research teams.

Main employment opportunities after passing the national qualification exam and enrolling in the medical register include:

- Practice in public and private health companies and hospitals;
- Private medical practice;
- Health and humanitarian Organizations.

The Degree is also a prerequisite for admission to the:

- Specialization Schools in Medicine, Surgery and Clinical Services;
- Specific Learning Courses in General Medicine.

Graduates can pursue their studies in Second Level Master's Programs and PhD programs. They can also work in the fields of basic medicine, translational medicine and clinical research.

Admission requirements and verification of preliminary coursework

An Italian secondary school diploma or certified equivalent of a foreign qualification is required to enroll in the Single Cycle Degree Course in Medicine and Surgery in English. The

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica "A. Santoro", I Piano
Via Consolare Valeria - 98125 Messina
Tel. 0902213361 - Fax 090692449
Website: <https://www.unime.it/it/cds/medicine-and-surgery>
Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE
IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

applicant is also required to have: a) knowledge of the cultural prerequisites as defined by Ministerial Decree concerning the procedures regulating the admission test and reported in the annual admission call; b) knowledge of the English language either as mother tongue or holding an official certificate at a minimum level of B2 (Common European Framework of Reference of languages - CEFR). The scientific and technical terms used in the course access test (International Medical Admission Test - IMAT) are considered higher than the B2 level of English required for students applying to the international Degree Program in Medicine and Surgery. Students who are not native Italian speakers and have no basic level of Italian required for admission must acquire a minimum level of the Italian language at the B1 level to guarantee productive learning during the professional activities with Italian speaking patients. Italian language courses are organized, already from the first year of the course, at the CLAM, or equivalent Organization. It will attest the achievement of the B1 (CEFR) level.

Knowledge is considered to be held in full through admission to the Degree Program by achieving a score equal to or higher than the threshold defined by the annual Ministerial Decree concerning the modalities and contents of the admission tests for the degree programs with access programmed at national level. In the event that the Ministerial Decree does not determine the above threshold for admission, the Degree Program will indicate the minimum threshold beyond which the possession of the expected cultural prerequisites has to be verified. If the performed test at national level demonstrates deficiencies in Biology, Chemistry and Physics, evaluated with a score of less than 25% of the maximum score for each discipline, or students have not reached the minimum threshold, then the Degree Program will assign additional learning requirements (ALRs) to be satisfied in the first year of the course.

The methods for recovering any deficiencies in the initial preparation are published on the Degree Course website. In case of non-fulfillment, the student will be enrolled in the first repeating year.

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica "A. Santoro", I Piano
Via Consolare Valeria - 98125 Messina
Tel. 0902213361 - Fax 090692449
Website: <https://www.unime.it/it/cds/medicine-and-surgery>
Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE
IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

Description of educational plan

The course of study lasts six years and consists of 360 European Credits Transfer System credits (ECTS), in accordance with current Italian and European legislation. At least 60 ECTS are to be acquired through training activities aimed at the maturation of specific professional skills. The professional activities are essentially carried out in the Operative Units of the "G. Martino" University Hospital in Messina, where care and assistance to the patient are combined with teaching and scientific research, and in General Practitioner offices. The students have 18 ECTS available to prepare the thesis and can also personalize their study plan with elective learning activities in fields of their own interest which allow for total acquisition of 8 ECTS (seminars, monographic courses, participation in conferences and congresses, clinical and research internships in Italy and abroad, etc.).

The first year is dedicated to the acquisition of fundamental and methodological notions of physics, computer science and statistics, knowledge of living matter, molecular, cellular, together with genetic information, and tissue organization of living organisms, ontogeny and architecture of the human body and a course that immediately brings the student closer to the clinical dimension; the second year leads to the knowledge of the morphology and normal functioning of the organs and systems and of the basic mechanisms of the pathological processes, further consolidating the first knowledge of the clinical dimension;

preparation from the third to the fifth year is aimed at the acquisition of clinical skills, through integrated courses of medical-surgical disciplines where frontal teaching is combined with professional activities;

the sixth year is focused on making students capable of clinical reasoning, through applying knowledge and the scientific methods, previously learned, to the examination of clinical and surgical cases, even in emergency situations. In order to be able to carry out the activity of medical doctor in the several roles of clinical, health and bio-physicians professional fields, the learning course ends with the preparation and discussion of the thesis, which represents an

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica "A. Santoro", I Piano
Via Consolare Valeria - 98125 Messina
Tel. 0902213361 - Fax 090692449
Website: <https://www.unime.it/it/cds/medicine-and-surgery>
Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE
IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

important learning moment for the maturation of original speculative skills based on the scientific method.

The curriculum is characterized by:

- the harmonious and progressive acquisition of knowledge provided by basic sciences and clinical skills;
- the enhancement from the very beginning of the course of the doctor-patient relationship through early contact integrated to the basic and clinical sciences;
- strong clinical practice furnishing a significant number of credits combined with tutor teaching which encourages the application of theoretical knowledge to personal experience in order to build an own scale of values and interests, to manage the complexity of medicine with professional approach;
- a multidisciplinary and integrated vision of the most common problems of health and disease, studies oriented towards prevention and promotion of human-centered health both in its entirety, and its gender differences and intercultural communication;
- the use of scientific, clinical and professional methodology applied to individual and community health problems, with due attention to differences in population and gender;
- use of student-centered interactive teaching methodologies, that allow the student to play an active role, including 'Problem Based Learning', 'Case Methods', 'Problem Solving', 'Concept Maps', discussion of clinical cases and clinical triggers, as well as laboratories, training, small group teaching, interdisciplinary conferences and seminars;
- evaluation is based on traditional oral or written procedures as well as sequence of items useful to verify the acquired knowledge such as multiple choice tests or short written answers organized on problems or clinical cases of an interdisciplinary nature, followed by tests useful to ascertain the acquired clinical skills, such as the Objective Structured Clinical Examination, the Mini-Clinical Evaluation Exercise, the Direct Observation of Procedural Skills.

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica "A. Santoro", I Piano
Via Consolare Valeria - 98125 Messina
Tel. 0902213361 - Fax 090692449
Website: <https://www.unime.it/it/cds/medicine-and-surgery>
Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE
IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

English is the official language of the Course for lessons, practical activities and exams. In order to guarantee productive learning during the professional activities with patients, Italian language courses are organized, in the first two years, at the University Linguistic Center (CLAM), or equivalent Organization, which attests the achievement of the required level of knowledge: B1 (Common European Framework of Reference of languages).

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica "A. Santoro", I Piano
Via Consolare Valeria - 98125 Messina
Tel. 0902213361 - Fax 090692449
Website: <https://www.unime.it/it/cds/medicine-and-surgery>
Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

Study Plan

Cohort 2019/20

First Year - 1st Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Medical Physics, Statistics and Bioinformatics	10	- Medical Physics - Medical Statistics - Bioinformatics	FIS/07 MED/01 INF/01	A B B	5 2 3		Exam
The Living Matter	5 of 12	- Chemistry - Biochemistry	BIO/10 BIO/10	A -	5 -		
Molecular and Cellular Biology	9	- Molecular Biology - Cellular Biology	BIO/11 BIO/13	A A	4 5		Exam

First Year - 2nd Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Genetics	6	- Molecular Genetics - Genetics	BIO/13 MED/03	A B	4 2		Exam
Histology and Embryology	8	- Histology - Embryology	BIO/17 BIO/17	A A B	4 3 1		Exam
The Living Matter	7 of	- Chemistry	BIO/10	-	-		Exam

Azienda Ospedaliera Universitaria Policlinico "G. Martino" - Torre Biologica, I Piano
 Via Consolare Valeria - 98125 Messina
 Tel. 0902213361 - Fax 090692449
 Website: <https://www.unime.it/it/cds/medicine-and-surgery>
 Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

	12	- Biochemistry	BIO/10	A	7		
Body Architecture	5	- Body Architecture	BIO/16	A	5		Exam
Early Clinical Contact and Communication Skills (I)	1 of 7	- Early Clinical Contact - Communication Skills	MED/41 M-FIL/05	B -	1 -		

Second Year - 1st Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Human Anatomy	8	- Human Anatomy	BIO/16	A B	7 1		Exam
Physiology	7	- Physiology	BIO/09	A	7		Exam
Microbiology	5	- Microbiology	MED/07	B	5		Exam
Early Clinical Contact and Communication Skills (II)	6 of 7	- Early Clinical Contact - Communication Skills	MED/41 M-FIL/05	B C	3 2	1	Exam 7 ECTS

Second Year – 2nd Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Neuroanatomy	6	- Neuroanatomy	BIO/16	A B	5 1		Exam
Neurophysiology	5	- Neurophysiology	BIO/09	A	5		Exam

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica, I Piano
 Via Consolare Valeria - 98125 Messina
 Tel. 0902213361 - Fax 090692449
 Website: <https://www.unime.it/it/cds/medicine-and-surgery>
 Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

Mechanisms of Disease	12	- General Pathology	MED/04	B	4		Exam
		- Physiopathology	MED/04	B	4		
		- Immunology	MED/04	B	4		

Third Year - 1st Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Clinical Semeiotics	18	- Medical Semeiotics	MED/09	B	4	4	Exam
				C	1		
		- Surgical Semeiotics	MED/18	B	4	4	
				C	1		
Head and Neck	11	- Odontostomatological Diseases	MED/28	B	1		Exam
		- Maxillo-Facial Surgery	MED/29	B	1	1	
		- Otorhinolaryngology	MED/31	B	2	1	
		- Audiology	MED/32	B	1		
		- Ophthalmology	MED/30	B	3	1	
Infectious Diseases, Skin and Sexually Transmitted Diseases & Plastic Surgery	5 of 12	- Infectious Diseases	MED/17	B	4	1	
		- Skin and Sexually Transmitted Diseases	MED/35	-	-	-	
		- Plastic Surgery	MED/19	-	-	-	

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica, I Piano
 Via Consolare Valeria - 98125 Messina
 Tel. 0902213361 - Fax 090692449
 Website: <https://www.unime.it/it/cds/medicine-and-surgery>
 Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

Third Year - 2nd Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Cardiovascular and Respiratory Diseases	14	- Cardiovascular Diseases	MED/11	B	3	1	Exam
		- Respiratory Diseases	MED/10	B	3	1	
		- Thoracic Surgery	MED/21	C	1	1	
		- Vascular Surgery	MED/22	C	1	1	
		- Cardiac Surgery	MED/23	B	1	1	
Clinical Laboratory Medicine	8	- Clinical Biochemistry	BIO/12	B	4		Exam
		- Clinical Pathology	MED/05	B	4		
Infectious Disease, Skin and Sexually Transmitted Diseases & Plastic Surgery	7 of 12	- Infectious Diseases	MED/17	-	-	-	Exam 12 ECTS
		- Skin and Sexually Transmitted Diseases	MED/35	B	3	1	
		- Plastic Surgery	MED/19	B	1	1	
				C	1		

Fourth Year - 1st Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Endocrine, Metabolic and Rheumatological Diseases	11	- Endocrinology	MED/13	B	3	1	Exam
		- Metabolic Diseases	MED/09	B	2	1	
		- Rheumatology	MED/16	B	2	1	

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica, I Piano
 Via Consolare Valeria - 98125 Messina
 Tel. 0902213361 - Fax 090692449
 Website: <https://www.unime.it/it/cds/medicine-and-surgery>
 Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

				C	1		
Nephro-Urological Diseases	6	- Nephrology - Urology	MED/14 MED/24	B B	2 2	1 1	Exam
Pathology	11	- Pathology	MED/08	B	10	1	Exam

Fourth Year - 2nd Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Hematology and Oncology	11	- Hematology - Oncology	MED/15 MED/06	B B C	4 4 1	1 1	Exam
Imaging and Radiotherapy	9	- Imaging - Nuclear Medicine - Radiotherapy	MED/36 MED/36 MED/36	B B B	4 1 1	1 1 1	Exam
Gastroenterological Diseases	4	- Gastroenterology	MED/12	B	3	1	Exam
Hygiene and Global Public Health	8	- Hygiene and Global Public Health - Occupational Medicine	MED/42 MED/44	B B	5 3		Exam

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica, I Piano
 Via Consolare Valeria - 98125 Messina
 Tel. 0902213361 - Fax 090692449
 Website: <https://www.unime.it/it/cds/medicine-and-surgery>
 Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

Fifth Year - 1st Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Neuroscience	12	- Neurology - Neurosurgery - Neuroradiology	MED/26 MED/27 MED/37	B B B	5 2 1	2 1 1	Exam
Obstetrics and Gynecology & Fetal Development Abnormalities	7	- Obstetrics and Gynecology - Fetal Development Abnormalities	MED/40 MED/03	B C	4 1	2	Exam
Pharmacology	10	- Pharmacology	BIO/14	B	10		Exam

Fifth Year - 2nd Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Pediatric Science	13	- Pediatrics - Pediatric Surgery - Child Neuropsychiatry	MED/38 MED/20 MED/39	B B B	4 1 1	4 2 1	Exam
Psychiatry and Clinical Psychology	7	- Psychiatry - Clinical Psychology	MED/25 M-PSI/08	B B	5 2		Exam
Orthopedics and Traumatology & Physical and Rehabilitation Medicine	8	- Orthopedics and Traumatology - Physical and Rehabilitation Medicine	MED/33 MED/34	B B	4 2	1 1	Exam

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica, I Piano
 Via Consolare Valeria - 98125 Messina
 Tel. 0902213361 - Fax 090692449
 Website: <https://www.unime.it/it/cds/medicine-and-surgery>
 Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

Legal Medicine	5	- Legal Medicine	MED/43	B	4		Exam
		- Bioethics	MED/43	B	1		

Sixth Year - 1st Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Internal Medicine	17	- Internal Medicine	MED/09	B C	7 1	9	Exam
General Surgery	17	- General Surgery	MED/18	B C	8 1	8	Exam

Sixth Year – 2nd Semester

Integrated Course	ECTS	Subject	SDS	Learning activity	ECTS Lesson	ECTS Training Activity	Assessment
Emergency and Intensive Care	12	- Anesthesiology and Intensive Care - Emergency Medicine - Emergency Surgery	MED/41 MED/09 MED/18	B B B	2 2 2	2 2 2	Exam
Final Exam	18						

Professional activities carry out in General Practitioner offices: 3 ECTS.

Azienda Ospedaliera Universitaria Policlinico "G. Martino"- Torre Biologica, I Piano
 Via Consolare Valeria - 98125 Messina
 Tel. 0902213361 - Fax 090692449
 Website: <https://www.unime.it/it/cds/medicine-and-surgery>
 Email: mastermedicinesurgery@unime.it



UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE BIOMEDICHE, ODONTOIATRICHE E DELLE IMMAGINI MORFOLOGICHE E FUNZIONALI
Consiglio del Corso di Studio Magistrale a Ciclo Unico in
"Medicine and Surgery"

Elective Learning Activities: 8 ECTS.

Legend: A: Basic learning activity; B: Distinctive learning activity; C: Related or complementary learning activity.

ECTS: European Credit Transfer System.

SDS: Scientific Disciplinary Sector.

1 ECTS: 25 hours of student workload, including independent study.

1 ECTS Lesson: 12.5 hours, 1 ECTS practical course review and laboratory activity: 20 hours, 1 ECTS Training activity, Internship and Final exam: 25 hours.

Azienda Ospedaliera Universitaria Policlinico "G. Martino" - Torre Biologica, I Piano
Via Consolare Valeria - 98125 Messina
Tel. 0902213361 - Fax 090692449
Website: <https://www.unime.it/it/cds/medicine-and-surgery>
Email: mastermedicinesurgery@unime.it