



The training activities (teachings, laboratories, internship, vocational training activities, final exam) are measured in credits that document the student's commitment in carrying out the activity itself. Each credit corresponds to 25 hours of overall commitment for the student, between participation in teaching activities and personal study. In the activity plan formative, shown below and visible on the Faculty of Medicine and Surgery website ([www.med.univpm.it](http://www.med.univpm.it)), the number is indicated of the credits attributed to each individual activity.

The Degree Course is organized into three types of training activities: basic activities; characterizing activities; related activities or integrative.

The courses included in the aforementioned activities are offered through ex cathedra lessons. To these is added, which one activities of your choice, a wide range of monographic courses and forums on topics related to the subjects covered. Among other activities is also including knowledge of a foreign language.

Lessons and laboratory activities take place at the Faculty of Medicine and Surgery; training activity vocational training, the Practical Evaluation Internship and the internship are carried out in the affiliated structures under the supervision of medical personnel identified as tutor/ referent.

The aim of the course is to integrate the classic medical training path with transdisciplinary skills common to the medical training and the biomedical engineering path and to train a doctor who is not only an expert user of modern technologies applied to the various field of clinical medicine and translational scientific – technological research, but also an active collaborator in the conception and design of new and advanced technologies in cooperation with graduates in the various engineering sectors. All this by aiming at an innovative medicine capable of exploiting tools and systems with high technological complexity (genomics, bioinformatics, big data, artificial intelligence remote technologies).

During the training course, students of M&S will also guaranteed the possibility of acquiring further knowledge and basic skills through the acquisition of 30 optional University Educational Credits, which exceed the 360 credits required for the Medicine and Surgery degree.

In this way, the course will allow the M&S students who decide to also acquire the additional 30 ECTS to request, at the end of the 6 years, the **Bachelor degree in Biomedical Engineering**.

Master Degree in Medicine and Surgery - Registered Students in the Academic Year 2024-2025 - 1st YEAR (MU03 -22-24)

I YEAR

|                 | integrated / monodisciplinary course                           |         | TOT CFU | SSD     | Teaching module                                        |         | CFU SSD | TAF                | disciplinary area                                                                |
|-----------------|----------------------------------------------------------------|---------|---------|---------|--------------------------------------------------------|---------|---------|--------------------|----------------------------------------------------------------------------------|
| ANNUAL          | Cell Morpholgy and Function                                    | W001875 | 10      | BIO/13  | Applied Biology and Genetics                           | W001876 | 6       | Base               | General knowledges for the acquisition of professional competences               |
|                 |                                                                |         |         | BIO/17  | Histology                                              | W001877 | 4       | Caratterizzante    | Interdisciplinary clinical education and evidence-based medicine                 |
| FIRST SEMESTER  | Fundamentals of Experimental Physics and Chemistry             | W001879 | 12      | FIS/01  | Experimental Physics                                   | W001880 | 6       | Affine-integrativa | related activities or integrative                                                |
|                 |                                                                |         |         | CHIM/07 | Chemical Basis of Technologies                         | W001881 | 6       | Affine-integrativa | related activities or integrative                                                |
| FIRST SEMESTER  | Mathematical Analysis and Geometry                             | W001882 | 12      | MAT/05  | Mathematical Analysis                                  | W001883 | 7       | Affine-integrativa | related activities or integrative                                                |
|                 |                                                                |         |         | MAT/03  | Geometry                                               | W001884 | 5       | Affine-integrativa | related activities or integrative                                                |
| SECOND SEMESTER | Human Anatomy I                                                | W002561 | 9       | BIO/16  | Human microscopic anatomy                              | W002562 | 2       | Base               | Human morphology                                                                 |
|                 |                                                                |         |         | BIO/16  | Human Anatomy I                                        | W002563 | 7       | Caratterizzante    | Interdisciplinary clinical education and evidence-based medicine                 |
| SECOND SEMESTER | Biochemistry, Pharmacology and Human Physiology I              | W001886 | 9       | BIO/10  | Biochemistry                                           | W001887 | 5       | Base               | Molecular structure, function and metabolism of molecules of biological interest |
|                 |                                                                |         |         | BIO/09  | Human Physiology                                       | W001888 | 2       | Caratterizzante    | Interdisciplinary clinical education and evidence-based medicine                 |
|                 |                                                                |         |         | BIO/14  | Pharmacological Basis of Therapeutics I                | W001889 | 2       | Caratterizzante    | Pharmacology, toxicology and principles of medical therapy                       |
| ANNUAL          | Professionalizing Activities - first year                      | W001989 | 2       |         | Professionalizing Activities - first year              | W001989 | 2       |                    | Further training activities (art. 10.5.d)                                        |
|                 |                                                                |         |         |         |                                                        |         |         |                    |                                                                                  |
| SECOND SEMESTER | Elective Teaching Activity - first year (Medicine and Surgery) |         | 2       |         | 1 course among those offered by Medicine and Surgery   |         | 1       |                    | Other elective activities chosen by the student                                  |
|                 | Elective Teaching Activity - first year (Biom Engineering)     |         |         |         | 1 course among those offered by Biomedical Engineering |         | 1       |                    | Other elective activities chosen by the student                                  |

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| TOT CFU | 56 |
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| Number of exams/year | 5 |
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Master Degree in Medicine and Surgery - Registered Students in the Academic Year 2024- 2025 - 2nd YEAR (MU03 -22-24)

| II YEAR         |                                                              |         |         |            |                                                              |         |         |                    |                                                                                                                                                     |
|-----------------|--------------------------------------------------------------|---------|---------|------------|--------------------------------------------------------------|---------|---------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | integrated / monodisciplinary course                         |         | TOT CFU | SSD        | Teaching module                                              |         | CFU SSD | TAF                | disciplinary area                                                                                                                                   |
| FIRST SEMESTER  | Medical Statistics                                           | W001890 | 4       | MED/01     | Medical Statistics                                           | W001890 | 4       | Caratterizzanti    | Scientific English and linguistic, computer and relational skills, medical pedagogy, advanced and remote information and communication technologies |
| FIRST SEMESTER  | Fundamentals of Biomechanics and Biomechanics                | W001891 | 9       | ING-IND/13 | Mechanics Applied to Machines                                | W001892 | 3       | Affini-integrative | related activities or integrative                                                                                                                   |
|                 |                                                              |         |         | ING-IND/34 | Industrial Bioengineering                                    | W001893 | 6       | Base               | Integrated biological functions of human organs and systems                                                                                         |
| FIRST SEMESTER  | Medical Informatics - Electronic and Computer Bioengineering | W001896 | 6       | ING-INF/06 | Medical Informatics - Electronic and Computer Bioengineering | W001896 | 6       | Base               | Integrated biological functions of human organs and systems                                                                                         |
| SECOND SEMESTER | Microbiology Immunology and Techincal Sciences               | W001897 | 11      | MED/07     | Microbiology and Clin Microbiology                           | W001898 | 5       | Caratterizzante    | General and molecular pathology, immunopatology, general pathophysiology, microbiology and parasitology                                             |
|                 |                                                              |         |         | MED/04     | General Pathology (Immunology)                               | W001899 | 2       | Caratterizzante    | General and molecular pathology, immunopatology, general pathophysiology                                                                            |
|                 |                                                              |         |         | MED/46     | Lab Technical Science and Medicine                           | W001900 | 2       | Caratterizzante    | Interdisciplinary clinical education and evidence-based medicine                                                                                    |
|                 |                                                              |         |         | BIO/17     | Histology (Tissue Engineeering)                              | W001901 | 2       | Caratterizzante    | Interdisciplinary clinical education and evidence-based medicine                                                                                    |
| ANNUAL          | Human Anatomy II                                             | W001902 | 6       | BIO/16     | Human Anatomy II                                             | W001902 | 6       | Caratterizzante    | Interdisciplinary clinical education and evidence-based medicine                                                                                    |
| ANNUAL          | Biochemistry and Human Physiology II                         | W001903 | 14      | BIO/10     | Biochemistry                                                 | W001904 | 5       | Base               | Molecular structure, function and metabolism of molecules of biological interest                                                                    |
|                 |                                                              |         |         | BIO/09     | Human Physiology                                             | W001905 | 9       | Caratterizzante    | Interdisciplinary clinical education and evidence-based medicine                                                                                    |
| ANNUAL          | Professionalizing Activities -second year                    | W001990 | 2       |            | Professionalizing Activities -second year                    | W001990 | 2       |                    | Further training activities (art. 10.5.d)                                                                                                           |
| SECOND SEMESTER | Elective Teaching Activity -second year                      |         | 2       |            |                                                              |         |         |                    | Other elective activities chosen by the student                                                                                                     |

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| TOT CFU | TOT CFU | 54 |
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| Number of exams/year | 6 |
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OPTIONAL CREDITS SUMMARY (CFU) TO GET AN ADDITIONAL BACHELOR DEGREE IN BIOMEDICAL ENGINEERING

| Semester       | integrated / monodisciplinary course                           |         |   | SSD        | Teaching module                                                | CFU | TAF                  | disciplinary area                                           |
|----------------|----------------------------------------------------------------|---------|---|------------|----------------------------------------------------------------|-----|----------------------|-------------------------------------------------------------|
| FIRST SEMESTER | Fundamentals of Computer Sciences                              | W001894 | 6 | ING-INF/05 | Fundamentals of Computer Sciences                              | 6   | Base                 | Integrated biological functions of human organs and systems |
| FIRST SEMESTER | Electromagnetic Fields for Medicine- Basis of Electromagnetism | W001895 | 6 | ING-INF/02 | Electromagnetic Fields for Medicine- Basis of Electromagnetism | 6   | Affini e Integrative | Affini e Integrative                                        |

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Master Degree in Medicine and Surgery - Students registered in Academic Year 2022-2023, 2023-2024, 2024- 2025 - 3rd YEAR (MU03 -22-24)

III YEAR

|                 | integrated / monodisciplinary course          |         | TOT CFU | SSD        | Teaching module                             |         | CFU SSD | TAF                | disciplinary area                                                                                       |
|-----------------|-----------------------------------------------|---------|---------|------------|---------------------------------------------|---------|---------|--------------------|---------------------------------------------------------------------------------------------------------|
| FIRST SEMESTER  | Applied Physics in Bioengineering             | W001906 | 14      | ING-INF/06 | Electronic and Computer Bioengineering      | W001907 | 7       | Base               | Integrated biological functions of human organs and systems                                             |
|                 |                                               |         |         | ING-INF/01 | Electronics                                 | W001908 | 3       | Affini-integrative | related activities or integrative                                                                       |
|                 |                                               |         |         | FIS/07     | Applied Physics                             | W001909 | 4       | Base               | General knowledges for the acquisition of professional competences                                      |
| ANNUAL          | Pathology                                     | W001917 | 12      | MED/04     | General Pathology                           | W001918 | 10      | Caratterizzante    | General and molecular pathology, immunopatology, general pathophysiology, microbiology and parasitology |
|                 |                                               |         |         | MED/05     | Clinical Pathology                          | W001919 | 2       | Caratterizzante    | Laboratory medicine and integrated diagnostics                                                          |
| SECOND SEMESTER | Medical and Surgical Semeiotics and Pathology | W001920 | 6       | MED/09     | Internal Medicine (Semeiotics)              | W001921 | 2       | Caratterizzante    | General medical and surgical clinic                                                                     |
|                 |                                               |         |         | MED/18     | General Surgery and Surgical Semeiotics     | W001922 | 2       | Caratterizzante    | Pathological disciplines and clinical anatomical correlations                                           |
|                 |                                               |         |         | MED/09     | Internal Medicine (Medical Pathophysiology) | W001923 | 2       | Caratterizzante    | General medical and surgical clinic                                                                     |
| ANNUAL          | Professionalizing Activities -third year      | W001991 | 9       |            | Professionalizing Activities -third year    | W001991 | 9       |                    | Further training activities (art. 10.5.d)                                                               |
|                 |                                               |         |         |            |                                             |         |         |                    |                                                                                                         |
| SECOND SEMESTER | Elective Teaching Activity -third year        |         | 1       |            |                                             |         |         |                    | Other elective activities chosen by the student                                                         |
|                 |                                               |         |         |            |                                             |         |         |                    |                                                                                                         |
| TOT CFU         |                                               |         | 42      |            |                                             |         |         |                    |                                                                                                         |

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| Number of exams/year | 3 |
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OPTIONAL CREDITS SUMMARY (CFU) TO GET AN ADDTIONAL BACHELOR DEGREE IN BIOMEDICAL ENGINEERING

| Semester        | Integrated / monodisciplinary course                  | Code    | CFU | SSD        | Teaching module               |         | CFU | TAF                  | disciplinary area                 |
|-----------------|-------------------------------------------------------|---------|-----|------------|-------------------------------|---------|-----|----------------------|-----------------------------------|
| SECOND SEMESTER | Fundamentals of Electrical and Electronic Engineering | W001910 | 9   | ING-IND/31 | Electrical Engineering        | W001912 | 6   | Affini e Integrative | related activities or integrative |
|                 |                                                       |         |     | ING-INF/01 | Electronics                   | W001911 | 3   | Affini e Integrative | related activities or integrative |
| FIRST SEMESTER  | Fundamentals of Mechanical Engineering                | W001913 | 9   | ING-INF/03 | Telecommunications            | W001914 | 3   | Affini e Integrative | related activities or integrative |
|                 |                                                       |         |     | ING-INF/04 | Automatics                    | W001915 | 3   | Affini e Integrative | related activities or integrative |
|                 |                                                       |         |     | ING-IND/13 | Mechanics Applied to Machines | W001916 | 3   | Affini e Integrative | related activities or integrative |

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Master Degree in Medicine and Surgery - Registered Students in the Academic Year 2024 - 2025 - 4TH YEAR (MU03 -22-24)

| IV YEAR         |                                                                                           |         |         |            |                                                                                       |         |         |                 |                                                                                              |
|-----------------|-------------------------------------------------------------------------------------------|---------|---------|------------|---------------------------------------------------------------------------------------|---------|---------|-----------------|----------------------------------------------------------------------------------------------|
|                 | integrated / monodisciplinary course                                                      |         | TOT CFU | SSD        | Teaching module                                                                       |         | CFU SSD | TAF             | disciplinary area                                                                            |
| FIRST SEMESTER  | Organ System Diseases 1: Blood, Heart and Lung                                            | W001924 | 13      | MED/11     | Cardiovascular Diseases                                                               | W001925 | 3       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics |
|                 |                                                                                           |         |         | MED/23     | Cardiac Surgery                                                                       | W001926 | 2       | Caratterizzante | Interdisciplinary clinical education and evidence-based medicine                             |
|                 |                                                                                           |         |         | MED/10     | Respiratory System Diseases                                                           | W001927 | 3       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics |
|                 |                                                                                           |         |         | MED/15     | Blood Diseases                                                                        | W001928 | 3       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics |
|                 |                                                                                           |         |         | MED/08     | Pathological Anatomy                                                                  | W001929 | 2       | Caratterizzante | Lab medicine and integrated diagnostics                                                      |
| FIRST SEMESTER  | Organ System Diseases 2: Kidney and Genitourinary System                                  | W001930 | 6       | MED/14     | Nephrology                                                                            | W001931 | 2       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics |
|                 |                                                                                           |         |         | MED/24     | Urology                                                                               | W001932 | 2       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics |
|                 |                                                                                           |         |         | MED/08     | Pathological Anatomy                                                                  | W001933 | 2       | Caratterizzante | Laboratory medicine and integrated diagnostics                                               |
| FIRST SEMESTER  | Mathematical Models in Medicine                                                           | W001934 | 5       | ING-INF/06 | Mathematical Models in Medicine                                                       | W001934 | 5       | Base            | Integrated biological functions of human organs and systems                                  |
| ANNUAL          | Public health                                                                             | W001935 | 3       | MED/42     | Public health                                                                         | W001935 | 3       | Caratterizzante | Human sciences, health policies and health management                                        |
| ANNUAL          | Pharmacology                                                                              | W001936 | 6       | BIO/14     | Pharmacology                                                                          | W001936 | 6       | Caratterizzante | Pharmacology, toxicology and principles of medical therapy                                   |
| SECOND SEMESTER | Data Science for Bioengineering                                                           | W001937 | 6       | ING-INF/05 | Data Science for Bioengineering                                                       | W001937 | 6       | Base            | Integrated biological functions of human organs and systems                                  |
| SECOND SEMESTER | Organ System Diseases 3: Endocrine and Gastrointestinal Systems, Nutrition and Metabolism | W001938 | 12      | MED/12     | Gastroenterology                                                                      | W001939 | 3       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics |
|                 |                                                                                           |         |         | MED/13     | Endocrinology                                                                         | W001940 | 3       | Caratterizzante | Physical activity and well-being medicine                                                    |
|                 |                                                                                           |         |         | MED/18     | General Surgery and New Techniques in Surgery: Minimally Invasive and Robotic Surgery | W001941 | 2       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics |
|                 |                                                                                           |         |         | MED/09     | Internal Medicine                                                                     | W001942 | 2       | Caratterizzante | Interdisciplinary clinical education and evidence-based medicine                             |
|                 |                                                                                           |         |         | MED/08     | Pathological Anatomy                                                                  | W001943 | 2       | Caratterizzante | Laboratory medicine and integrated diagnostics                                               |
| ANNUAL          | Professionalizing Activities -fourth year                                                 | W001992 | 14      |            | Professionalizing Activities -fourth year                                             | W001992 | 14      |                 | Further training activities (art. 10.5.d)                                                    |
| SECOND SEMESTER | Elective Teaching Activity -fourth year                                                   |         | 2       |            |                                                                                       |         |         |                 | Other elective activities chosen by the student                                              |

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| TOT CFU | 67 |
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| Number of exams/year | 7 |
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Master Degree in Medicine and Surgery - Registered Students in the Academic Year 2024 - 2025 - 5TH YEAR (MU03 -22-24)

| V YEAR          | integrated / monodisciplinary course                 |         | TOT CFU | SSD        | Teaching module                                                |         | CFU SSD | TAF             | disciplinary area                                                |
|-----------------|------------------------------------------------------|---------|---------|------------|----------------------------------------------------------------|---------|---------|-----------------|------------------------------------------------------------------|
| FIRST SEMESTER  | Oncology, Genetics and Internal Medicine             | W001944 | 8       | MED/06     | Oncology                                                       | W001945 | 3       | Caratterizzante | Interdisciplinary clinical education and evidence-based medicine |
|                 |                                                      |         |         | MED/03     | Genetic Medicine                                               | W001946 | 3       | Caratterizzante | Interdisciplinary clinical education and evidence-based medicine |
|                 |                                                      |         |         | MED/09     | Internal Medicine (Immune System)                              | W001947 | 2       | Caratterizzante | General medical-surgical clinic                                  |
| FIRST SEMESTER  | Clinical Neurosciences and Mental Health             | W001948 | 9       | MED/26     | Neurology                                                      | W001949 | 3       | Caratterizzante | Neurological disciplines                                         |
|                 |                                                      |         |         | MED/37     | Neuroradiology                                                 | W001950 | 2       | Caratterizzante | Neurological disciplines                                         |
|                 |                                                      |         |         | MED/27     | Neurosurgery                                                   | W001951 | 2       | Caratterizzante | Neurological disciplines                                         |
|                 |                                                      |         |         | MED/25     | Psychiatry                                                     | W001952 | 2       | Caratterizzante | Psych Clinic and Behavioral Disciplines                          |
| FIRST SEMESTER  | New Radiology Diagnostic and Therapeutic Modality    | W001953 | 13      | MED/36     | Radiology and Interventional Radiology                         | W001954 | 6       | Caratterizzante | Radiological and radiotherapy disciplines                        |
|                 |                                                      |         |         | MED/36     | Nuclear Medicine, Radiotherapy, Radiobiology, Radio protection | W001955 | 3       | Caratterizzante | Radiological and radiotherapy disciplines                        |
|                 |                                                      |         |         | ING-INF/06 | Electronic and Computer Bioengineering                         | W001956 | 4       | Base            | Integrated biological functions of human organs and systems      |
| SECOND SEMESTER | Head and Neck Diseases                               | W001957 | 6       | MED/28     | Oral Diseases                                                  | W001958 | 2       | Caratterizzante | Medical-surgical clinic of the sense organs                      |
|                 |                                                      |         |         | MED/30     | Ophthalmology                                                  | W001959 | 2       | Caratterizzante | Medical-surgical clinic of the sense organs                      |
|                 |                                                      |         |         | MED/31     | Otolaryngology                                                 | W001960 | 2       | Caratterizzante | Medical-surgical clinic of the sense organs                      |
| SECOND SEMESTER | Dermatology, Plastic Surgery and Infectious Diseases | W001961 | 8       | MED/17     | Infectious Diseases                                            | W001962 | 3       | Caratterizzante | Community medicine                                               |
|                 |                                                      |         |         | MED/35     | Cutaneous and Venereal Diseases                                | W001963 | 3       | Caratterizzante | Clinic of medical-surgical specialties                           |
|                 |                                                      |         |         | MED/19     | Plastic Surgery                                                | W001964 | 2       | Caratterizzante | Clinic of medical-surgical specialties                           |
| SECOND SEMESTER | Bone and Joint and Technologies in Rehabilitation    | W001965 | 11      | MED/33     | Musculoskeletal System Diseases                                | W001966 | 3       | Caratterizzante | Medical-surgical clinic of the musculoskeletal system            |
|                 |                                                      |         |         | MED/34     | Physical and Rehabilitation Medicine                           | W001967 | 2       | Caratterizzante | Medical-surgical clinic of the musculoskeletal system            |
|                 |                                                      |         |         | MED/16     | Rheumatology                                                   | W001968 | 2       | Caratterizzante | Clinic of medical-surgical specialties                           |
|                 |                                                      |         |         | ING-IND/34 | Industrial Bioengineering                                      | W001969 | 4       | Base            | Integrated biological functions of human organs and systems      |
| ANNUAL          | Professionalizing Activities -fifth year             | W001993 | 18      |            | Professionalizing Activities -fifth year                       | W001993 | 18      |                 | Further training activities (art. 10.5.d)                        |
| SECOND SEMESTER | Elective Teaching Activity - fifth year              |         | 2       |            |                                                                |         |         |                 | Other elective activities chosen by the student                  |

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| TOT CFU | 75 |
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| Number of exams/year | 6 |
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Master Degree in Medicine and Surgery - Registered Students in the Academic Year 2024 - 2025 - 6TH YEAR (MU03 -22-24)

VI YEAR

|                | integrated / monodisciplinary course                        |         | TOT CFU | SSD        | Teaching module                                      |         | CFU SSD | TAF              | disciplinary area                                                      |
|----------------|-------------------------------------------------------------|---------|---------|------------|------------------------------------------------------|---------|---------|------------------|------------------------------------------------------------------------|
| FIRST SEMESTER | Patient Management                                          | W001970 | 12      | MED/09     | Clinical Medicine and Medical and Molecular Therapy  | W001971 | 5       | Caratterizzante  | General medical-surgical clinic                                        |
|                |                                                             |         |         | MED/18     | Clinical Surgery                                     | W001972 | 3       | Caratterizzante  | General medical-surgical clinic                                        |
|                |                                                             |         |         | BIO/12     | Clinical Biochemistry and Clinical Molecular Biology | W001973 | 2       | Caratterizzante  | Laboratory and diagnostic-integrated medicine                          |
|                |                                                             |         |         | MED/05     | Clinical Pathology                                   | W001974 | 2       | Caratterizzante  | Lab and diagnostic-integrated medicine                                 |
| FIRST SEMESTER | Pediatrics, Ostetrics and Gynecology                        | W001975 | 8       | MED/38     | Pediatric Medicine                                   | W001976 | 3       | Caratterizzante  | Pediatric disciplines                                                  |
|                |                                                             |         |         | MED/20     | Pediatric Surgery                                    | W001977 | 2       | Caratterizzante  | Pediatric disciplines                                                  |
|                |                                                             |         |         | MED/40     | Gynaecology and Obstetrics                           | W001978 | 3       | Caratterizzante  | Obstetric-gynecological disciplines, reproductive medicine and medical |
| FIRST SEMESTER | Healthcare Robotics and Active Ageing                       | W001979 | 9       | MED/09     | Geriatrics                                           | W001980 | 3       | Caratterizzante  | General medical-surgical clinic                                        |
|                |                                                             |         |         | MED/18     | Clinical Geriatric Surgery                           | W001981 | 2       | Caratterizzante  | General medical-surgical clinic                                        |
|                |                                                             |         |         | ING-INF/06 | Electronic and Computer Bioengineering               | W001982 | 4       | Base             | Integrated biological functions of human organs and systems            |
| FIRST SEMESTER | Emergency and Life Support and Legal Medicine and Bioethics | W001983 | 13      | MED/41     | Anesthesiology                                       | W001984 | 3       | Caratterizzante  | Medical-surgical emergencies                                           |
|                |                                                             |         |         | MED/09     | Medical Emergencies                                  | W001985 | 2       | Caratterizzante  | Medical-surgical emergencies                                           |
|                |                                                             |         |         | MED/18     | Surgical Emergencies                                 | W001986 | 2       | Caratterizzante  | Medical-surgical emergencies                                           |
|                |                                                             |         |         | MED/43     | Forensic Medicine                                    | W001987 | 4       | Caratterizzante  | medicine and public health and work environments and medico-legal      |
|                |                                                             |         |         | MED/44     | Occupational Medicine                                | W001988 | 2       | Caratterizzante  | medicine and public health and work environments and medico-legal      |
| ANNUAL         | Professionalizing Activities -sixth year                    | W001994 | 15      |            | Professionalizing Activities -sixth year             | W001994 | 15      |                  | Further training activities (art. 10.5.d)                              |
| ANNUAL         | Foreign Language                                            | W002053 | 2       | L-LIN/12   | Foreign Language                                     | W002053 | 2       | other activities | Final test and foreign language (art. 10.5.c)                          |
| ANNUAL         | Final test                                                  | W001995 | 7       | PROFIN_S   | Final test                                           | W001995 | 7       | other activities | Final test and foreign language (art. 10.5.c)                          |

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| Number of exams/year | 5 |
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Pre-requisites

| In order to take this exam                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | The following exam must be successfully passed                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Human Anatomy I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Cell Morphology and Function                                                                              |
| Biochemistry, Pharmacology and Human Physiology I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Human Anatomy I                                                                                           |
| Microbiology Immunology and Technical Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Biochemistry, Pharmacology and Human Physiology I                                                         |
| Human Anatomy II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Human Anatomy I                                                                                           |
| Biochemistry and Human Physiology II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Biochemistry, Pharmacology and Human Physiology I and Human Anatomy II                                    |
| Medical and Surgical Semeiotics and Pathology<br>Organ System Diseases 1: Blood, Heart and Lung<br><br>Public health<br><br>Pharmacology<br><br><br>Oncology, Genetics and Internal Medicine<br><br>Clinical Neurosciences and Mental Health<br>New Radiology Diagnostic and Therapeutic Modality<br><br>Head and Neck Diseases<br>Dermatology, Plastic Surgery and Infectious Diseases<br>Bone and Joint and Technologies in Rehabilitation<br><br>Patient Management<br><br>Pediatrics, Obstetrics and Gynecology<br><br>Healthcare Robotics and Active Ageing<br>Emergency and Life Support and Legal Medicine and Bioethics | Microbiology Immunology and Technical Sciences<br><br>Pathology                                           |
| Organ System Diseases 2: Kidney and Genitourinary System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Organ System Diseases 1: Blood, Heart and Lung<br><br>Medical and Surgical Semeiotics and Pathology       |
| Gastrointestinal Systems, Nutrition and Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Organ System Diseases 2: Kidney and Genitourinary System                                                  |
| Patient Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pharmacology<br>Organ System Diseases 3: Endocrine and Gastrointestinal Systems, Nutrition and Metabolism |

Concerning the Professionalizing Activities, there will be an ongoing evaluation expressed by the tutors assigned to each group through a judgment of suitability, which will be documented in the personal booklet.  
**Once the assessment of suitability for each foreseen skill has been obtained, the student will be able to take the exam in the context of the foreseen sessions.**

To be admitted to the Professionalizing Activities (Internship) of the 6th years it is necessary to be enrolled in the sixth year of the single-cycle master's degree course "Medicine and Surgery" and to have passed the exams up to the fourth year and "New Radiology Diagnostic and Therapeutic Modality" exam.