



THE RECTOR

HAVING REGARD TO Article 3, paragraph 8, of Ministerial Decree No. 509 of 03/11/1999, “*Regulations laying down provisions on the academic autonomy of Universities*”;

HAVING REGARD TO Article 3, paragraph 9, of Ministerial Decree No. 270 of 22/10/2004, “*Amendments to the regulations laying down provisions on the academic autonomy of Universities*”;

HAVING REGARD TO the “*Academic Regulations of the University of Palermo*”, issued by Rector’s Decree No. 3299, protocol No. 47307 of 20/03/2025;

HAVING REGARD TO the “*Regulations governing the establishment and operation of First- and Second-Level University Master’s Degrees*”, issued by Rector’s Decree No. 9906, protocol No. 157125 of 02/10/2024;

HAVING REGARD TO Law No. 33 of 12/04/2022, “*Provisions on simultaneous enrolment in two higher education degrees*”;

HAVING REGARD TO Ministerial Decree No. 930 of 29/07/2022 implementing Article 4, paragraph 1, of Law No. 33 of 12/04/2022;

HAVING REGARD TO the “*Regulations on student fees and contributions*”, issued by Rector’s Decree No. 2581, protocol No. 55109 of 04/04/2024;

HAVING REGARD TO Resolution No. 1009, protocol No. 116231 of 11/07/2024, by which the Board of Directors approved the proposed amendments and additions to the current Regulations on student fees and contributions;

HAVING REGARD TO Resolution No. 151, protocol No. 220345, adopted by the Department Council of the Department of Health Promotion, Maternal and Child Care, Internal Medicine and Specialist Excellence “G. D’Alessandro” (PROMISE) at its meeting of 26/11/2025, concerning the activation of the first edition of the Second-Level Master’s Degree in “*Treatment of Complex Coronary Lesions and Chronic Total Coronary Occlusions*” for Academic Year 2025/2026;

HAVING REGARD TO Resolution No. 12, protocol No. 13940 of 28/01/2026, by which the Academic Senate expressed a favourable opinion on the proposal to activate the Second-Level Master’s Degree in “*Treatment of Complex Coronary Lesions and Chronic Total Coronary Occlusions*” for Academic Year 2025/2026;



HAVING REGARD TO Resolution No. 12, protocol No. 15825 of 30/01/2026, by which the Board of Directors approved the proposal to activate the Second-Level Master's Degree in "*Treatment of Complex Coronary Lesions and Chronic Total Coronary Occlusions*" for Academic Year 2025/2026;

HEREBY DECREES

for Academic Year 2025/2026, the annual Second-Level University Master's Degree in "*Treatment of Complex Coronary Lesions and Chronic Total Coronary Occlusions*" is hereby established, with administrative headquarters at the Department of Health Promotion, Maternal and Child Care, Internal Medicine and Specialist Excellence "G. D'Alessandro" (PROMISE) of the University of Palermo, and the related admission competition based on qualifications is announced.

Article 1 – Admission Requirements

The Second-Level Master's Degree in "*Treatment of Complex Coronary Lesions and Chronic Total Coronary Occlusions*", activated at the Department of Health Promotion, Maternal and Child Care, Internal Medicine and Specialist Excellence "G. D'Alessandro" (PROMISE) of the University of Palermo, has the duration of **one (1) year**.

Eligible applicants are those who hold the following educational qualifications:

- **Degree in Medicine and Surgery** (or an equivalent qualification awarded by an Italian or foreign University or higher education institution);
- **Specialization Diploma** (or an equivalent qualification awarded by an Italian or foreign University or higher education institution) **in Cardiology / Cardiovascular Diseases** and related disciplines or, alternatively, current enrolment in a Specialization School in the same related disciplines.

Applicants who do not yet hold the required degree/specialization may also apply, provided that they will be obtaining the qualification before the enrolment in the Master's Degree.

Knowledge of the English language (B1 level) is required for admission.

The number of available positions is **30 (thirty)**.



The Degree will not be activated if the minimum number of **10 (ten)** students is not reached. Furthermore, upon indication by the Coordinator, and pursuant to Article 9-bis of the above-mentioned “*Regulations governing I and II level Master’s Degrees*”, **3 (three)** additional positions reserved for University staff are available.

Article 2 – Aims and Career Opportunities

The Master’s Degree has a dual purpose in the following interconnected areas:

- to provide diagnostic foundations and clinical criteria to identify patients eligible for complex coronary revascularization procedures;
- to acquire theoretical and practical skills in the use of intracoronary imaging techniques (IVUS, OCT);
- to acquire skills in the use of advanced systems for calcified plaque modification (rotational atherectomy, orbital atherectomy, laser atherectomy, intravascular lithotripsy);
- to illustrate the state of the art of procedural techniques and dedicated technology for this type of intervention;
- to acquire theoretical and practical skills in the use of ventricular support systems (IABP, Impella, VA-ECMO);
- to provide principles of health economics and resource management, with a focus on the socio-economic impact of innovative approaches compared with traditional ones.

Participants will acquire the competencies needed to perform complex coronary revascularization procedures as first operators.

Article 3 – Educational Objectives

The Master’s Degree is intended for interventional cardiologists wishing to approach the treatment of complex coronary artery disease and chronic total coronary occlusions. The main educational objectives are:

- to provide diagnostic foundations and clinical criteria enabling identification of patients eligible for complex percutaneous approaches;
- to present the range of imaging techniques, their interpretative basis and their use in the diagnostic-therapeutic process;



- to participate in complex coronary revascularization procedures; including acquisition of the knowledge required to interpret intravascular imaging (IVUS, OCT);
- to acquire calcified plaque modification techniques (rotational atherectomy, orbital atherectomy, laser atherectomy, intravascular lithotripsy) and to analyse pre-, intra- and post-procedural clinical aspects;
- to acquire theoretical and practical skills in the use of ventricular support systems (IABP, Impella, VA-ECMO);
- to illustrate state-of-the-art procedural techniques and dedicated technology (dedicated coronary guidewires, microcatheters, drug-coated balloons) and to acquire theoretical and practical skills in the use of invasive methods for the assessment of coronary pathophysiology (FFR, full physiology approach);
- to provide principles of health economics and resource management, focusing on the socio-economic impact of innovative approaches compared with traditional ones.

Article 4 – Degree Structure and Academic Credits

The Master's Degree is structured into Modules including both in-person and e-learning lectures, practical activities, seminars, study meetings, conferences, internships, and a final examination. A total of **60 ECTS credits** and **1500 hours** of activities, are distributed as follows:

- in-person/e-learning lectures and individual study: **1050 hours – 42 CFU**;
- internship / work experience: **75 hours – 3 CFU**;
- thesis / final examination: **375 hours – 15 CFU**.

Face-to-face lectures will be held in the vast majority of cases on Wednesdays from 1:00 p.m. to 6:00 p.m. (*no in-person lectures are scheduled in August*) and will be organised into the following **4 (four) Modules**:

Module	SSD	Hours (lectures + individual study)	CFU
Complex coronary lesions: anatomy, imaging, functional assessment, ventricular assist systems	MED 11 MED 10	250	10
Complex coronary lesions: treatment techniques	MED 11 MED 23	250	10



Module	SSD	Hours (lectures + individual study)	CFU
Chronic total coronary occlusions: patient selection	MED 11	250	10
Chronic total coronary occlusions: treatment techniques	MED 11	300	12
TOTAL (lectures + individual study)		1050	42
INTERNSHIP / PLACEMENT / WORK EXPERIENCE		75	3
THESIS / FINAL EXAMINATION		375	15
TOTAL		1500	60

Please note: The detailed schedule of activities will be defined immediately after the completion of the enrolment procedures and before the start of the Master's Degree, and will take into account the reasonable requests of the participants.

Article 5 – Application Procedure

- a) **Register on the UNIPA Student Portal** available at <https://studenti.unipa.it> (or <https://immaweb.unipa.it/immaweb/home.seam>) in order to receive, by e-mail, personal access credentials to the Student Portal of the University of Palermo. Applicants who already hold a valid username and password may proceed directly to step b);
- b) **Access the Student Portal** using the personal credentials received by e-mail (username and password):
 - from the website <https://www.unipa.it/>, click on the “LOGIN” button and then select the “Student Portal – Portale Studenti” icon;
 - alternatively, from <https://studenti.unipa.it> click on “Portal Login”;
- c) Select the menu item “**Applications**” and choose “**New Application Form**”. From the list displayed on screen, select “**First-Level Master’s Degrees, Second-Level Master’s Degrees and Advanced Training Courses**”, then choose “**Application for admission to a Master’s Degree or an Advanced Training Course**” to start a new application procedure;
- d) **Complete the application form** by following the guided instructions until calculation of the fees and final confirmation of the submitted data.



The system will then allow applicants to:

1. print the **“Payment Slip and Application Form”**;
2. proceed with **“Pay now via PagoPA”** online.

PagoPA payment slips may be paid using one of the following methods:

- **Online payment**, directly through the Student Portal: on the summary page of the completed and confirmed application, the **“PagoPA”** icon and a hyperlink **“Pay now”** will be displayed, allowing the applicant to select a Payment Service Provider (PSP) and complete the online payment on the AgID platform;
- **In person**, by presenting the printed PagoPA payment slip at any authorised Payment Service Provider (e.g. tobacconists, SISAL, SUPERENALOTTO, etc.).

Detailed instructions on payment methods are available at:

<https://immaweb.unipa.it/immaweb/public/pagamenti.seam>

The application fee, amounting to € 50.00, must be paid no later than 03/04/2026, which is the deadline of this application.

The online application for admission to the annual Second-Level University Master’s Degree in **“Treatment of Complex Coronary Lesions and Chronic Total Coronary Occlusions”** constitutes a **self-certification**, pursuant to Article 3 of Law No. 127/97 and Presidential Decree No. 445/2000, as amended.

Applicants must upload the following documents in **PDF format**:

- a) Copy of a valid identity document, signed;
- b) Self-certification of the degree, pursuant to Article 46 of Presidential Decree No. 445/2000, indicating the final degree mark or stating that the qualification is being obtained and will be held by the enrolment deadline (see Article 1);
- c) Curriculum Vitae et Studiorum, dated and signed;
- d) Self-certification of any additional qualifications relevant for ranking purposes, or copies thereof, accompanied by a declaration attesting conformity to the original documents, pursuant to Articles 47 and 19 of Presidential Decree No. 445/2000;



- e) Self-certification for the “Additional Reserved Place – UNIPA Staff enrolment”, *pursuant to Article 9-bis of the Regulations governing University Master’s Degrees* (mandatory for University staff only);
- f) Self-certification pursuant to Article 6, paragraph 1, of Ministerial Decree No. 930 of 29/07/2022, including any required attachments, in the case of a request for simultaneous enrolment in two higher education degrees, using the template available at: <https://www.unipa.it/servizi/masterecorsidiperfezionamento/informazioni/modulistica.html> (upload is mandatory even if the applicant is not currently enrolled in another degree).

In the case of scientific publications, applicants may provide a web link through which the Selection Committee can view them.

EU and non-EU applicants holding a foreign academic degree must submit the **Declaration of Value of the qualification**, together with the degree certificate duly accompanied by a legal translation into Italian, issued by the Italian diplomatic representation in the country where the qualification was obtained. The Declaration of Value **must be** uploaded with the application. Foreign applicants are also required to provide certification/self-certification of adequate knowledge of the Italian language

In relation to self-certifications submitted, any applicant who provides false declarations shall be subject to the criminal penalties provided for untrue statements, forgery or use of false documents pursuant to Article 76 of Presidential Decree No. 445 of 28/12/2000, as well as forfeiture of any benefits obtained on the basis of such declarations (Article 75 of Presidential Decree No. 445/2000). In such cases, the applicant shall be automatically excluded from the ranking list and from the right to enrol.

The application fee for participation in the selection procedure is non-refundable, except in the event that the Master’s Degree is not activated.

Article 6 – Selection Procedure

Admission to the Master’s Degree, within the limits of the available places, shall be granted following an assessment by the Selection Committee of the qualifications submitted by each



applicant. The Selection Committee shall consist of the Degree Coordinator or another member of the Scientific Committee delegated by the Coordinator, and two professors appointed by the Scientific Committee. For each applicant, the Committee may award up to a maximum of **50 points** for the assessment of qualifications.

Assessment of qualifications: maximum 50 points

The following qualifications shall be assessed:

- **Final degree mark: maximum 8 points**
 - up to 89: **0 points**
 - from 90 to 100: **2 points**
 - from 101 to 105: **4 points**
 - from 106 to 110: **6 points**
 - 110 with honours: **8 points**

Where the qualification required for admission is awarded with a grading system different from that indicated above, the equivalence of the mark/judgement achieved by the applicant shall be assessed by converting it to the scale used for degree marks.

- **Curriculum Vitae et Studiorum: up to a maximum of 10 points;**
- **Additional degree** in disciplines relevant to the Master's Degree topics, or one of the following qualifications deemed appropriate by the Committee:
 - PhD degree awarded by Italian or foreign Universities;
 - Specialization;
 - Advanced Training qualification (Master's Degree or Advanced Training Course);
 - Research fellowship and internship;
up to a maximum of **12 points**.
- **Scientific publications** on topics relevant to the Master's Degree: up to a maximum of **8 points**;
- **Documented professional experience**, deemed relevant and qualifying in the field: up to a maximum of **12 points**.

The final score shall be the sum of the points awarded. In the event of a tie, the younger applicant shall rank first. Applicants shall be admitted to the Master's Degree according to the number of available places, based on their position in the ranking list drawn up on the basis of the overall score



achieved. The official ranking list, approved by Rector's Decree, shall be published on the University Official Register (*Albo Ufficiale*) and on the webpage of the Master's and Advanced Training Courses Unit:

- Official Register: <https://www.unipa.it/albo.html>
- Master's Unit webpage: <https://www.unipa.it/servizi/masterecorsidiperfezionamento/master-di-ii-livello/>

Any remarks/objections concerning the ranking list may be submitted by certified e-mail (PEC) to: pec@cert.unipa.it, within 5 days from the date of publication, indicating in the subject line:

“Second-Level Master's Degree Treatment of Complex Coronary Lesions and Chronic Total Coronary Occlusions A.Y. 2025/2026”.

In the event of withdrawal before the start of the Master's Degree or failure to enrol within the prescribed time limits (10 days following publication of the ranking list), the ranking list shall be scrolled and the next eligible applicant in order shall be admitted until all vacant places have been filled.

Article 7 – Enrolment

The enrolment fee for the Master's Degree is € **5.000,00 (five thousand/00 euro)**, payable in a single instalment or in two instalments.

In the case of payment in instalments:

- the **first instalment**, amounting to € **3.500,00**, must be paid at the time of enrolment;
- the **second instalment**, amounting to € **1.500,00**, must be paid within three months from the start of the teaching activities.

In the event of late payment of the second instalment, a late-payment penalty shall apply pursuant to Article 23-bis of the University Regulations on student fees and contributions (see Board of Directors Resolution No. 1009, protocol No. 116231 of 11/07/2024), amounting to € 50.00, increased by € 50.00 for each additional 30 days of delay, up to a maximum total of € 250.00.



Successful applicants must complete online enrolment within a peremptory deadline of 10 days, starting from the day following publication of the ranking list, on the website:

- <https://www.unipa.it/servizi/masterecorsidiperfezionamento/master-di-ii-livello/>

For enrolment, a digital passport photo is required with the following characteristics: JPEG format, 420×480 pixels, file size not exceeding 200 KB (in case of difficulties, refer to the instructions in the Student Portal tutorial).

The enrolment application must be completed online by following this procedure:

- a) using the same credentials obtained at registration, access the Student Portal (<https://studenti.unipa.it> or <https://immaweb.unipa.it/immaweb/home.seam>) and click “STUDENT APPLICATIONS / NEW APPLICATION”;
- b) b) from the list shown on screen, click “*First-Level Master’s Degrees, Second-Level Master’s Degrees and Advanced Training Courses*”, select “*Enrolment application for a Master’s Degree or an Advanced Training Course*”, and follow the guided procedure until confirmation and printing of the payment slip for the **virtual stamp duty of € 16.00**. Payment of the virtual stamp duty may be made as indicated at: <https://immaweb.unipa.it/immaweb/public/pagamenti.seam>.

Completion of the application allows the Administration to receive the required self-certifications, requires mandatory upload of the digital passport photo and the requested documentation, and enables printing of the payment slip for the enrolment fees (including a virtual stamp duty). Without payment, the enrolment procedure will not be completed successfully.

The online procedure also provides that forms related to administrative procedures are automatically generated upon confirmation of the online application. No paper form must be collected or submitted to the relevant administrative office.

Admitted applicants who do not complete enrolment by the established deadline shall be considered as having withdrawn, and the next applicants in the ranking list shall be admitted, following the order of the ranking list, for whom the enrolment procedure will be opened on the Student Portal (<https://studenti.unipa.it>) under the same conditions.



In the event of withdrawal before the start of the Master's Degree or failure to enrol within the prescribed time limits (10 days following publication of the ranking list), the ranking list shall be scrolled and the next eligible applicant shall be admitted.

The enrolment fee shall not be refunded under any circumstances, except in the event that the Master's Degree is not activated.

Article 8 – Auditors

Up to a maximum of **5 (five) Auditors** may be admitted to attend specific modules. Auditors are individuals who, while meeting the admission requirements under *Article 1* of this call, are interested in deepening specific topics and updating their preparation, without enrolling in the Degree. The maximum number of Auditors admissible shall be equal to **50%** of the number of students enrolled in the Master's Degree. The contribution fee for Auditors is € **2.600,00**, i.e., 50% of the enrolment fee provided for Master's students. Auditors will receive a certificate of attendance signed by the Degree Coordinator.

The procedures for enrolment and payment are indicated in the specific form published on the webpage of the Master's and Advanced Training Courses Unit:

- <https://www.unipa.it/servizi/masterecorsiiperfezionamento/informazioni/modulistica.html>

Paper documentation must be submitted to the Master's and Advanced Training Courses Unit.

Article 9 – Individual Modules (Single Courses)

Some Modules may also be purchased as individual modules by those who do not intend to enrol in and attend the full Master's Degree, provided they hold one of the qualifications required for admission under Article 1.

Activation of individual Modules is subject to activation of the Master's Degree.

The University Educational Credits (CFU), fees, and maximum number of admissible students for each individually purchasable Module are as follows:



Module/Course	SSD	CFU	Enrolment fee	Max. no. students	Indicative period
Complex coronary lesions: anatomy, imaging, functional assessment, assist systems	MED 11 MED 10	4	€ 1,800.00	3	June/July
Complex coronary lesions: treatment techniques	MED 11 MED 23	4	€ 1,800.00	3	September/October
Chronic total coronary occlusions: treatment techniques	MED 11	4	€ 1,800.00	3	November/December
Chronic total coronary occlusions: treatment techniques	MED 11	4	€ 1,800.00	3	February/March

Students enrolled in individual Modules may obtain up to a maximum of 12 CFU per year, as established by Article 6, paragraph 6, of the University Regulations on Master's Degrees (Rector's Decree No. 9906, protocol No. 157125 of 02/10/2024). Attendance of single courses is mandatory.

Students enrolled in single courses shall take the relevant examinations and shall receive, for each course, certification of the examination passed, indicating the credits obtained, the grade out of thirty, and a concise course syllabus. Enrolment in a single module/course must be completed within a peremptory deadline of **10 (ten) days**, starting from the day following publication of the ranking list. Procedures for enrolment and payment are indicated in the specific form published on the webpage of the Master's and Advanced Training Courses Unit:

- <https://www.unipa.it/servizi/masterecorsidiperfezionamento/informazioni/modulistica.html>

Students enrolled in single courses will receive a certificate of attendance signed by the Degree Coordinator.

Article 10 – Obligations of Enrolled Students

Pursuant to Law No. 33 of 12/04/2022 and its implementing decree (Ministerial Decree No. 930 of 29/07/2022), *enrolment in Master's Degrees is compatible, in the same Academic Year, with enrolment in other higher education degrees, including Bachelor's and Master's degree degrees,*



Specialization Schools (medical and non-medical), and other Master's Degrees, provided that the First-/Second-Level Master's Degree is not the same Master's Degree, even if delivered by two different Universities.

Attendance of lectures and the internship/placement is mandatory. Absences due to justified reasons must be authorised by the Degree Coordinator and may not exceed 20% of the total number of hours of teaching and internship/placement activities.

Students exceeding the above absence threshold shall forfeit any rights and shall not be admitted to the final examination. In the event of withdrawal from the Degree, the student must notify the Degree Coordinator and the Master's and Advanced Training Courses Unit in writing (Viale delle Scienze, Building 18, 90128 Palermo).

Withdrawal does not entitle the student to any refund of amounts paid and does not exempt the student from payment of the second instalment, if applicable.

Between the twentieth and the tenth day before the date set for the final examination, participants must:

- **pay the final examination admission fee of € 50.00;**
- **pay the stamp duty fee for issuance of the Master's diploma of € 32.00;**
- **upload the thesis signed by the student, which will be validated by the Supervisor and the Degree Coordinator.**

Without prejudice to specific provisions governing University Master's Degrees, students are subject to the laws and regulations applicable to University students.

Article 11 – Academic and Scientific Coordination

Academic coordination of the Master's Degree is entrusted to **Prof. Alfredo Ruggero Galassi** (e-mail: alfredo.galassi@unipa.it), who will oversee and organise the various teaching modules that make up the Degree curriculum.

The Deputy Coordinator is **Prof.ssa Egle Corrado**.



The Scientific Committee is composed as follows:

Surname and First Name	Academic Position (Full Professor – Associate Professor – Researcher – External Expert)	University / Institution
GALASSI Alfredo Ruggero	Full Professor	University of Palermo
NOVO Giuseppina	Associate Professor	University of Palermo
CORRADO Egle	Associate Professor	University of Palermo
SUCATO Vincenzo	External Expert	AOU Policlinico “P. Giaccone
VADALÀ Giuseppe	External Expert	AOU Policlinico “P. Giaccone

Article 12 – Qualification Awarded

The final assessment shall be expressed out of 100. The Second-Level Master’s Diploma in “*Treatment of Complex Coronary Lesions and Chronic Total Coronary Occlusions*” shall be issued bearing the signature of the Magnificent Rector and the Director General.

Article 13 – Person Responsible for the Procedure

Pursuant to Article 5 of Law No. 241 of 07/08/1990, as amended, the person responsible for the procedure related to this call is **Dr. Franco De Franchis**, Head of the Master’s and Advanced Training Courses Unit (e-mail: franco.defranchis@unipa.it / master@unipa.it) – Tel. **091.23890618** – Viale delle Scienze, Building 18, 90128 Palermo).

Applicants may exercise the right of access to the administrative records according to the procedures provided by the regulations (Rector’s Decree No. 664 of 09/02/2004), pursuant to Law No. 241 of 07/08/1990 and Presidential Decree No. 352/92. Requests must be submitted to the Public Relations Office of the Central Administration, at Hotel De France, Salita dell’Intendenza No. 1 (Piazza Marina), Palermo.

Article 14 – Personal Data Processing

Data submitted by applicants with their applications for admission shall be processed for the purposes of managing the selection procedure and any subsequent enrolment procedure, in accordance with the principles and provisions on personal data protection and privacy set out in the General Data Protection Regulation, in force in all EU countries since 25/05/2018 (in English:



General Data Protection Regulation, officially Regulation (EU) 2016/679), and Legislative Decree No. 196 of 30/06/2003.

Article 15 – Publicity and Communications

This call shall be published on the Official Register of the University of Palermo and shall be available on the University website at: <https://www.unipa.it/albo.html>. It shall also be published on the webpage of the Master's and Advanced Training Courses Unit at:

- <https://www.unipa.it/servizi/masterecorsidiperfezionamento/master-di-ii-livello/>.

THE RECTOR
Prof. Massimo Midiri