

First Q&A session

September 11th (2nd round), 2026



Università di Perugia
Ingegneria

Dipartimento di Eccellenza 2023-27



2026

PDE-CET

Shaping the Future
of Clean Energy

Programme Launch

Excellence Educational Path in Clean Energy Transition

University of Perugia — Department of Engineering
Academic Year 2026/2027

PDE-CET

SELECTION CALL





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CHAPTER 1



The Program

A first-rate education for engineering talent in service of the global energy transition.





What is PDE-CET?

An additional, integrated pathway

The Didactic Excellence Path in Clean Energy Transition (PDE-CET) is activated pursuant to the University Regulations of the University of Perugia. It runs alongside the master's degree programs of the Department of Engineering, enriching — without replacing — the student's regular academic path.

A multidisciplinary, project-based approach

The PDE-CET broadens the disciplinary horizon with experimental teaching initiatives and a cross-cutting approach based on real-world problems. The goal is to develop the best talent through specialized training, hands-on projects, and collaboration with renowned experts from the national and international academic and industrial world.



Why Is PDE-CET Unique?

Selected Talents

Exclusively aimed at high-achieving students with a real passion for technological innovation and sustainability.

Outstanding Faculty

Courses taught by distinguished experts from leading Italian and international institutions.

Scientific Community

A cutting-edge multidisciplinary network that connects students, researchers, and energy-sector professionals.





CHAPTER 2



Objectives and Themes

The great energy challenges of our time as the driving force behind advanced, interdisciplinary education.



The Core Themes of PDE-CET

The program focuses on real-world problems of great strategic importance for the planet's future. Students develop cross-disciplinary skills spanning engineering and economics, environmental policy and technological ethics.



Renewable Energy

Innovation and implementation in national and emerging markets.
Technical-economic analysis of solar, wind, and hydroelectric technologies.



Climate Resilience

Multidisciplinary approaches to strategic resilience to climate change and to assessing the environmental impacts of products and industrial processes.



Innovative Materials

Critical raw materials, new materials for energy and sustainability.
Product life cycle and analysis of environmental impact.



Data, Robotics & Cyber

Advanced data analysis, innovative sensing, robotics, and cybersecurity applied to energy systems and critical infrastructure.



Skills Developed in the Program



PDE-CET trains engineers capable of operating with authority at the intersection of technology, policy, and market — rare profiles that are highly sought after by the most advanced companies and research institutions.



CHAPTER 3

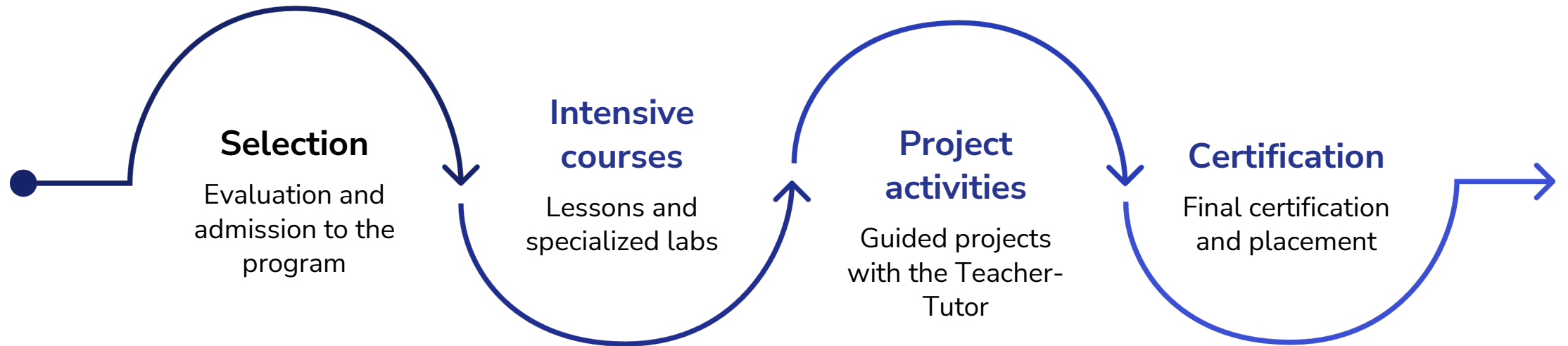


Structure and Activities

A two-year intensive program with a maximum of 200 additional hours per year of excellence-level training.



How the Path Works



The activities are distributed across 1-2 academic years (depending on the enrolled student timing) for a maximum of **200 hours per year**. Part of the program is scheduled by the Department on a collective basis; another part is built individually with the Teacher-Tutor, shaping the path around each student's scientific and cultural interests.



Activities Included in the PDE-CET

Intensive Courses and Specialized Seminars

Led by professors and experts of recognized national and international standing, with strong project-based, strategic, and applied content. The intensive sessions ensure full immersion in the most advanced topics in the field.

Multidisciplinary Project Activities

Participation in research groups and laboratories where students tackle real challenges in interdisciplinary teams, developing innovative solutions with concrete impact on the energy sector.

Individual Mentoring

Each student works with a dedicated Faculty Tutor, a member of the Department, who coordinates personalized activities, guides professional growth, and facilitates contacts with partner organizations and companies.

Activities with External Partners

Opportunities to collaborate with research institutions, companies, and partner organizations, both national and international, to apply acquired skills in real, high-profile professional contexts.



The Role of Tutor Professors

Who They Are

Tutor Professors are professors and researchers who are members of the Department of Excellence in Engineering at UNIPG, appointed by the Steering Committee on the basis of the master's degree programs involved in the PDE-CET. Each tutor is assigned to the student according to their academic path and research interests.

What They Do

- Provide individual tutoring throughout the two-year program
- Collaborate on the design of the student's personalized activities
- Guide academic and research choices
- Facilitate access to leading academic and industrial networks
- Monitor progress and support professional growth



CHAPTER 4



Requirements and Selection

Fifteen available places for the 2026/2027 academic year. Who can apply and how the application is evaluated.



Available Places and Eligible Profiles

- For the Academic Year 2026/2027, **15 places** are available. The Department reserves the right not to activate the program if the number of eligible applicants is insufficient.

Profile A

Students enrolled in the **1st year of a Master's Degree** in the Department of Engineering for the A.Y. 2026/2027.

Profile B

Students enrolled in the **2nd year of a Master's Degree** in the Department of Engineering for the A.Y. 2026/2027.

Profile C

Students in the **final year of a Bachelor's Degree** or integrated master's program who intend to enroll in a Master's Degree in the Department.

Profile D

Students from **foreign universities** holding an eligible degree or currently in the process of obtaining one, with a valid GRE® General Test.



Merit Requirements to Apply

Profile	Main requirement	Additional conditions
A – 1st year MSc	Three-year degree $\geq 105/110$ within the required time (3 years) or weighted average $\geq 27/30$	Enrollment in the MSc of the UNIPG Department of Engineering
B – 2nd year MSc	Weighted average of MSc exams $\geq 27/30$	All ECTS credits for the 1st year earned by 31/10/2026
C – Bachelor's	Weighted average $\geq 27/30$ or graduation by February 2027	Admission with reservation; enrollment in an MSc is mandatory
D – International students	Valid GRE® (max 5 years): Verbal ≥ 156 , Quant. ≥ 157 , Writing ≥ 3.5 (at least 2 out of 3)	Admission with reservation until the GRE is obtained, in any case by February 2027



Evaluation Criteria and Ranking

The Commission will draw up the ranking on the basis of **three criteria**, for a maximum total score of **100 points**. In the event of a tie, the higher weighted average prevails; if still tied, the younger candidate.

20

Degree Grade

Score assigned to the final grade of the bachelor's degree (where available at the time of application).

60

Curriculum and Activities

Academic record and extracurricular activities consistent with the goals of the PDE-CET. This is the criterion with the greatest weight.

20

Motivational Letter

Motivational letter including indications of the intended use of the Excellence Award.

 In the event of a tie with a shared need for clarification, the Commission may call the candidates for an in-depth interview on motivation, aptitudes, and interest in the themes of the program.



CHAPTER 5



Benefits and Recognition

Concrete financial support and an official academic certification that enhances your profile in the job market.



Financial Support: The Excellence Award

Up to 9 Scholarships

Students admitted to PDE-CET for the 2026/2027 academic year may compete for the allocation of **9 awards** worth **€8,000 each** for the duration of the training program. The number and method of allocation are determined annually based on the resources available within the Department's Excellence Educational Program.

Who is eligible

The scholarships are reserved for students admitted to PDE-CET who meet the curricular requirements set out in the University Regulations. Candidates are invited to indicate in their motivation letter their views on using the Award — in whole or in part — as support for activities in the program.

- ✔ €8,000 per deserving student for the entire duration of the two-year program.



Final Certification: An Official Recognition



Completion of the Program

At the end of the PDE-CET — which may not exceed **two academic years** — and upon obtaining the master's degree, a specific certification is issued by the Department of Excellence in Engineering.



Registration in the Academic Record

The certificate is officially recorded in the student's **academic curriculum**, pursuant to Article 8 of the University Regulations, documenting the successful completion of the PDE-CET.



Value in Placement

The certification will be highlighted in subsequent **placement activities** and represents a strong signal of academic excellence for companies and research institutions that are most competitive at an international level.



CHAPTER 6



How to Apply

Deadline: **November 10, 2026 at 12:00 PM**. Everything you need to know to submit your application.



Required Documents for the Application

Mandatory Documents

1. **Application form (Annex A)** including a motivation letter with an indication of the intended use of the Excellence Award
2. **Curriculum Vitae** updated with details of academic background, research, internships, extracurricular activities
3. **Transcript of records** with grades and official weighted average
4. **Degree certificate** or self-certification of the degree obtained (where applicable)
5. **Identity document** currently valid (front/back)

Additional Documents

- Language certificates (e.g. IELTS, TOEFL, Cambridge) or other qualifications deemed useful for selection purposes
- Documentation of the **GRE® General Test** for candidates from foreign universities



Incomplete applications or those received after the deadline of 10/11/2026 at 12:00 will not be considered.



How to Submit the Application

Prepare Documents

Send by Email

Send Acceptance

The application must be sent by **email** to all members of the Committee by **12:00 noon (Italian time) on 10 November 2026**. The email subject must be: [APPLICATION FOR PARTICIPATION PDE CET 2026/2027 – NAME/SURNAME]



Board of professors' Contacts

Send the application at the same time to all the following email addresses of the Commission for the PDE-CET:

Prof. Gianluca Rossi

gianluca.rossi@unipg.it

**Prof. Francesco Di
Maria**

francesco.dimaria@unipg.it

**Prof. Francesco
Fantozzi**

francesco.fantozzi@unipg.it

**Prof. Anna Laura
Pisello**

anna.pisello@unipg.it

Prof. Gianluca Reali

gianluca.reali@unipg.it



The PDE-CET Committee

Selection is entrusted to the **Committee for the Excellence Didactic Pathway**, identified within the Steering Committee of the Department of Engineering. The Committee is responsible for organizing teaching activities, monitoring their progress, coordinating the Tutor Teachers, and evaluating applications.

Faculty Members

- Prof. Francesco Di Maria
- Prof. Francesco Fantozzi
- Prof.ssa Anna Laura Pisello
- Prof. Gianluca Reali
- Prof. Gianluca Rossi

Student Representation

- Mr. Michele Giovagnola – Mechanical Engineering
- Mr. Alessandro Ciavaglia – Computer and Electronic Engineering

Functions

- Organization and monitoring of teaching activities
- Coordination of Tutor Teachers
- Evaluation of continuation requests



Summary: Key Dates and Obligations

10 Nov 2026 — 12:00 PM

Deadline for submitting the admission application by email with all required attachments.

Acceptance (within 10 days)

Accepted candidates must send the Acceptance Form (Attachment B) within 10 calendar days from the notification. Failure to accept is considered a final withdrawal.

1

2

3

4

Ranking Publication

The final ranking will be approved by the Director of the Department and published on the institutional website. Publication serves as official notice.

By Feb 2027

Final deadline for obtaining the bachelor's degree for admitted candidates with reservation (profiles C and D).

- ❏ Admitted students remain required to participate regularly, maintain merit requirements, and actively collaborate with their Docent-Tutor throughout the two-year program.



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An Opportunity for the Best Engineering Talents

The PDE-CET is much more than a training program: it is a community of scientific excellence, a network of mentors and peers, and a springboard toward leadership roles in the global energy transition.

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di-unipg.it

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