

## ATTACHMENT EN-26-ECON-M2-573

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## Art. 1 - Typology of course

The University of Pavia has activated the (Post-Master) Vocational program in **Energy and Environmental Management and Economics - MEDEA** at the **DEPARTMENT OF ECONOMICS AND BUSINESS SCIENCES** in partnership with Eni, for the 2026/27 academic year.

**Edition 7**

**Disciplinary area** SCIENCES AND TECHNOLOGY AREA and SOCIO-ECONOMIC AND LAW AREA

## Art. 2 - Educational aims, professional opportunities and course appeal

MEDEA course aims to provide in-depth knowledge on the problems facing companies that operate in the energy and environmental sector, with a particular focus on the challenges posed by energy transition and sustainability. In recent years, the curriculum has been progressively updated to systematically integrate topics such as renewable energy, decarbonization and circular economy.

The course has a 70-year history, is attended by graduates from Economics and other technical degrees, and is distinguished by its highly effective placement rate, both in Italy and abroad. In recent years, all Italian students have been hired within 3-4 months of completing the Master's program. Non-Italian students have generally found employment in their home countries.

The course has widespread appeal, therefore graduates of both courses find employment across the energy sector, from administration, finance and control to strategy and international relations, contracts, trading, analysis and risk management. A growing number of graduates are engaged in professional activities directly related to energy transition and sustainability in various segments of the energy supply chain.

The careers opportunities resulting from the two courses (level 1 and level 2) may vary in the type of tasks required, but not in the field of employment, which for both levels involves organizations engaged in energy transition and sustainability processes, in Italy and abroad, in line with the educational focus of the program.

## Art. 3 - Programme

The Vocational Program has a duration of annuale and provides a total of 1500 hours, divided according to the table below.

All the training activities provided correspond to the acquisition, by the students, of 60 university credits (CFU).

Teaching modules are organized as follows and will be taught in English:

Name	SSD	Language	L(h)	STD(h)	OL(h)	Ex(h)	Tot(h)	ECTS
<b>1. ECONOMICS</b>								
1.1 ECONOMICS ADVANCED COURSE	ECON-01/A   Economia politica	English	24	51	0	0	<b>75</b>	<b>3</b>
1.2 BEHAVIORAL ECONOMICS AND GREEN NUDGES	ECON-01/A   Economia politica	English	24	51	0	0	<b>75</b>	<b>3</b>
1.3 HISTORY AND ECONOMICS	ECON-01/A   Economia politica	English	24	51	0	0	<b>75</b>	<b>3</b>
<b>2. ECONOMETRICS</b>								
2.1 APPLIED ECONOMETRICS	ECON-02/A   Politica economica	English	32	68	0	0	<b>100</b>	<b>4</b>
2.2 SYSTEM DYNAMICS MODELLING FOR THE ENERGY TRANSITION	ECON-02/A   Politica economica	English	32	68	0	0	<b>100</b>	<b>4</b>
2.3 CODING AND AI	ECON-02/A   Politica economica	English	24	51	0	0	<b>75</b>	<b>3</b>
<b>3. FINANCE</b>								
3.1 FINANCIAL ACCOUNTING	STAT-04/A   Metodi matematici dell'economia e delle scienze attuariali e finanziarie	English	24	51	0	0	<b>75</b>	<b>3</b>

3.2 CORPORATE FINANCE AND ESG GOALS	STAT-04/A   Metodi matematici dell'economia e delle scienze attuariali e finanziarie	English	16	34	0	0	50	2
3.3 ENERGY CONTRACTS AND TRADING	STAT-04/A   Metodi matematici dell'economia e delle scienze attuariali e finanziarie	English	16	34	0	0	50	2
3.4 PLANNING AND CONTROL	STAT-04/A   Metodi matematici dell'economia e delle scienze attuariali e finanziarie	English	16	34	0	0	50	2
3.5 PROJECT MANAGEMENT	STAT-04/A   Metodi matematici dell'economia e delle scienze attuariali e finanziarie	English	16	34	0	0	50	2
3.6 STRATEGIC MANAGEMENT	STAT-04/A   Metodi matematici dell'economia e delle scienze attuariali e finanziarie	English	16	34	0	0	50	2
4. ENERGY								
4.1 ENERGY ECONOMICS	ECON-04/A   Economia applicata	English	24	51	0	0	75	3
4.2 NATURAL RESOURCES AND RENEWABLE ENERGY	ECON-04/A   Economia applicata	English	16	34	0	0	50	2
4.3 GEOPOLITICS OF ENERGY AND THE ENVIRONMENT	ECON-04/A   Economia applicata	English	16	34	0	0	50	2
4.4 FIELD DEVELOPMENT STRATEGY AND CARBON MANAGEMENT	ECON-04/A   Economia applicata	English	16	34	0	0	50	2
4.5 RENEWABLES AND ECONOMICS OF ELECTRICITY	ECON-04/A   Economia applicata	English	16	34	0	0	50	2
5. ENVIRONMENT								
5.1 ENERGY TRANSITION AND CLIMATE CHANGE ECONOMICS	ECON-04/A   Economia applicata	English	24	51	0	0	75	3
5.2 SUSTAINABLE DEVELOPMENT	ECON-04/A   Economia applicata	English	24	51	0	0	75	3
5.3 CIRCULAR ECONOMY	ECON-04/A   Economia applicata	English	24	51	0	0	75	3
5.4 ENVIRONMENTAL ASSESSMENT	ECON-04/A   Economia applicata	English	16	34	0	0	50	2
PARTIAL			440	935	0	0	1375	55
Project work - placement		English					100	4
End of course examination							25	1
TOTAL							1500	60

The internship will consist of carrying out a project work.

The training period may not be suspended.

Transfers to similar Vocational Programs at other universities are not allowed.

## Art. 4 - Assessment of ongoing learning

Students' knowledge is evaluated through tests.

Marks are expressed as a percentage with a pass mark of 60/100.

Some seminar-based courses do not feature tests but a purely qualifying examination.

## Art. 5 - Final exam and achievement of qualification

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The end of course examination consists in the preparation of a report on the project work (1 CFU), without any oral presentation.

At the end of the Vocational Program, participants who have carried out all the activities and fulfilled the obligations, upon passing the final exam will be awarded the (Post-Master) Vocational Program's Diploma in "Energy and Environmental Management and Economics – MEDEA"

## Art. 6 - Faculty

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Teaching will be held by faculty from the University of Pavia, as well as by highly-qualified professional experts.

## Art. 7 - Admission requirements

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The course is aimed at those who have obtained a Master's Degree, pursuant to D.M. n. 270/04, or equivalent qualification obtained abroad, in one of the following classes:

- (LM-4) Classe delle lauree magistrali in Architettura e ingegneria edile-architettura
- (LM-16) Classe delle lauree magistrali in Finanza
- (LM-20) Classe delle lauree magistrali in Ingegneria aerospaziale e astronautica
- (LM-21) Classe delle lauree magistrali in Ingegneria biomedica
- (LM-22) Classe delle lauree magistrali in Ingegneria chimica
- (LM-23) Classe delle lauree magistrali in Ingegneria civile
- (LM-24) Classe delle lauree magistrali in Ingegneria dei sistemi edilizi
- (LM-25) Classe delle lauree magistrali in Ingegneria dell'automazione
- (LM-26) Classe delle lauree magistrali in Ingegneria della sicurezza
- (LM-27) Classe delle lauree magistrali in Ingegneria delle telecomunicazioni
- (LM-28) Classe delle lauree magistrali in Ingegneria elettrica
- (LM-29) Classe delle lauree magistrali in Ingegneria elettronica
- (LM-30) Classe delle lauree magistrali in Ingegneria energetica e nucleare
- (LM-31) Classe delle lauree magistrali in Ingegneria gestionale
- (LM-32) Classe delle lauree magistrali in Ingegneria informatica
- (LM-33) Classe delle lauree magistrali in Ingegneria meccanica
- (LM-34) Classe delle lauree magistrali in Ingegneria navale
- (LM-35) Classe delle lauree magistrali in Ingegneria per l'ambiente e il territorio
- (LM-53) Classe delle lauree magistrali in Scienza e ingegneria dei materiali
- (LM-56) Classe delle lauree magistrali in Scienze dell'economia
- (LM-76) Classe delle lauree magistrali in Scienze economiche per l'ambiente e la cultura
- (LM-77) Classe delle lauree magistrali in Scienze economico-aziendali
- (LM-83) Classe delle lauree magistrali in Scienze statistiche attuariali e finanziarie

The course is aimed, also, at those who have obtained a Master's Degree, pursuant to D.M. n. 509/99, or equivalent qualification obtained abroad, in one of the following classes:

- (19/S) Classe delle lauree specialistiche in finanza
- (25/S) Classe delle lauree specialistiche in ingegneria aerospaziale e astronautica
- (26/S) Classe delle lauree specialistiche in ingegneria biomedica
- (27/S) Classe delle lauree specialistiche in ingegneria chimica
- (28/S) Classe delle lauree specialistiche in ingegneria civile
- (29/S) Classe delle lauree specialistiche in ingegneria dell'automazione
- (30/S) Classe delle lauree specialistiche in ingegneria delle telecomunicazioni
- (31/S) Classe delle lauree specialistiche in ingegneria elettrica
- (32/S) Classe delle lauree specialistiche in ingegneria elettronica
- (33/S) Classe delle lauree specialistiche in ingegneria energetica e nucleare
- (34/S) Classe delle lauree specialistiche in ingegneria gestionale
- (35/S) Classe delle lauree specialistiche in ingegneria informatica
- (36/S) Classe delle lauree specialistiche in ingegneria meccanica
- (37/S) Classe delle lauree specialistiche in ingegneria navale
- (38/S) Classe delle lauree specialistiche in ingegneria per l'ambiente e il territorio
- (61/S) Classe delle lauree specialistiche in scienza e ingegneria dei materiali

- (64/S) Classe delle lauree specialistiche in scienze dell'economia
- (83/S) Classe delle lauree specialistiche in scienze economiche per l'ambiente e la cultura
- (84/S) Classe delle lauree specialistiche in scienze economico-aziendali
- (91/S) Classe delle lauree specialistiche in statistica economica, finanziaria ed attuariale

and degrees in accordance with the previous regulations

#### OTHER REQUIREMENTS:

- date of birth equal or after 1/1/1999
- possession of a Masters degree with a final mark not below 105/110 (95/100) in the above cited classes or an equivalent qualification awarded abroad
- excellent command of English (to be assessed during selection process) work

**Italian students awarded requested qualifications by 31 July 2026 are also admitted. Such candidates should must on their curriculum vitae the average mark of any examinations taken**

The maximum number of places available is 50.

The minimum number of participants to activate the course is 7.

The Academic Board will also be able to assess whether the conditions for expanding the maximum number of participants are met.

The selection process will be carried out in two stages.

#### STAGE 1: PRE-SELECTION BY THE UNIVERSITY OF PAVIA

In order to determine the eligibility of each candidate, once the deadline for submitting applications has passed, the Medicine and Postgraduate Service will assess whether they meet the above requirements as stated in the applications submitted on the UNIPV portal. The list of eligible candidates will be sent to the Master's Coordinator, professor at the University of Pavia, and to Eni Corporate University for the next stage.

#### STAGE 2: SELECTION BY THE COORDINATOR AND ENI

The Master's Teaching Board, composed equally of professors from the University of Pavia and Eni Corporate University, appoints the Selection Committee. The Committee, composed of the Coordinator and Eni staff, will carry out a specific selection for the Master's level, through the evaluation of the curriculum vitae submitted during the online registration phase.

Subsequently, candidates whose profiles are judged positively by the Committee may be invited for a technical and aptitude assessment.

At the end of the selection process, a merit ranking will be drawn up.

In case of equal merits, young age will prevail in the ranking. In case of withdrawal of one or more candidates, the vacant place/places will be made available to the next candidate in the ranking, up to the coverage of all available places.

## Art. 8 - Deadline for admission application

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Applicants must submit their application for admission in accordance with the procedures, set out in the Call for Admission, from 02/02/2026 and by the deadline of 15/05/2026.

The requirements of the Call for admission and this Attachment, must be held by the deadline for application.

## Art. 9 - Attachments to upload for the admission application

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Candidates must attach their **curriculum vitae** during the online application process, including an indication that they hold the requested entry and selection requirements.

All parts of the CV are recommended to be carefully and clearly drafted.

Candidates holding a qualification awarded abroad must attach, during the online application process, the documents indicated in Article 3 of the Call for Applications. To complete their enrolment, the requested documentation must be presented, in its original form, together with a declaration of legal validity from the Italian diplomatic representative situated in the state where the certificate was issued, **by 30/09/2026**, to the Ufficio Master - Servizio Post Laurea - via Ferrata 5, 27100 Pavia.

Once a completed application has been made on the Unipv portal, candidates must complete an application on the Eni.com website (either of the

following links):

<https://www.eni.com/it-IT/carriere/master-medea.html> - Italian version

<https://www.eni.com/en-IT/careers/medea-masters.html> - English version

## Art. 10 - University tuition and fees

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### **Enrolment**

Enrolment tax consists of € 50.000,00, inclusive of stamp duty tax and Administrative fees.

**The admission to the course exempts from the payment of the enrolment tax and grants a scholarship worth € 1,500 gross/month.**

Bodies or national/international subjects can contribute to the functioning of the Vocational Program by providing scholarships aimed to enrollment/internships attendance. In the event of finalization of the aforementioned agreements, they will be publicized on the relevant website with the eventual award criteria.

### **Exemptions or scholarships**

In order to promote the spread of energy culture in specific countries of interest to the energy sector, a number of scholarships may be awarded to deserving students who hold the citizenship of one of the following countries, as an example: Algeria, Angola, Cyprus, Congo, Egypt, Ghana, Italy, Ivory Coast, Kazakhstan, Kuwait, Mexico, Mozambique, Qatar, Tunisia, Turkmenistan and United Arab Emirates.

The scholarship includes, in addition to fee waiver and a scholarship worth € 1.500 gross/month, free educational materials and the use of company canteens. When awarding scholarships, the Examining Board will evaluate the university curriculum, other qualifications and professional experience gained. Academic background or professional experience in the energy sector will be adequately evaluated.

Individuals chosen independently by foreign Eni Companies may also participate in the courses.

## Art. 11 - Web site and Organizational Secretary

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Any communication and important information regarding candidates and students will be published on the following website:

<https://economiaemanagement.dip.unipv.it/it/node/159>

**For information regarding the course organization:**

### **Organizational Secretary**

Servizio Medicina e Post Laurea

Via Ferrata, 5 -27100 Pavia

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