



UNIVERSITÀ
DI PAVIA

Servizio Medicina
e post laurea

ATTACHMENT

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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 **DIPARTIMENTO DI SCIENZE ECONOMICHE E AZIENDALI** in partnership with Eni, for the 2025/26 academic year.

Edition 6

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.

The course dates back over sixty years and is attended by graduates from Economics and other technical degrees. Graduates of the course enjoy high employment levels, usually at Eni and its subsidiaries, both in Italy and abroad. Over the past ten years, Italian students have found employment within 3-4 months of graduating while non-Italian students are normally employed 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.

The careers resulting from the two courses may vary in the type of tasks requested, but not in terms of access to the energy sector. This is due to the particular features of the teaching programme.

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

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 - End of course examination and achievement of qualification

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

Teaching will be held by faculty from the University of Pavia and other highly-qualified experts.

Art. 7 - Admission requirements

The course is aimed at those candidates, preferably with Italian citizenship, 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-26) Classe delle lauree magistrali in Ingegneria della sicurezza
- (LM-25) Classe delle lauree magistrali in Ingegneria dell'automazione
- (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 1/1/1998
- 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)

Italian students awarded requested qualifications by 31 July 2025 are also admitted. Such candidates should include 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.

SELECTION PROCESS

There is a two-stage selection process for each level of the course.

PHASE 1: PRE-SELECTION BY UNIVERSITY OF PAVIA

The Servizio Medicina e post laurea, once the deadline for admission has expired, will evaluate the eligibility of each candidate, taking into consideration the above-mentioned entry requirements as stated in the applications submitted on-line on the UNIPV portal. It will send a list of those candidates deemed eligible to the Masters Co-ordinator and to the Eni Corporate University for the next phase.

PHASE 2: SELECTION BY THE CO-ORDINATOR AND ENI

Once it has received the list of students from the first phase of pre-selection, the commission, composed of a Co-ordinator and Eni personnel, will allocate places on the courses to candidates through the evaluation of the curriculum vitae submitted by candidates during online application. Subsequently, candidates whose profile will be positively evaluated may be required to undergo psycho-aptitude tests and technical/motivational interviews aimed at assessing eligibility.

At the end of the selection a ranking of merit will be formulated, for each course.

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.

Should one or more candidates withdraw, the place/s vacated will be made available to candidates who appear on the relative ranking list until all places have been filled.

Art. 8 - Deadline for admission application

Applicants must submit their application for admission in accordance with the procedures, set out in the Call for Admission, from 10/02/2025 and by the deadline of 15/05/2025.

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

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 30/09/2025**, 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

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: Algeria, Cyprus, Congo, Egypt, Indonesia, Italy, Ivory Coast, Kazakhstan, Mexico, Nigeria, Turkmenistan.

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

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

Dott. Marco Loreto T: 0382 985955

E: master.ateneo@unipv.it

La persona di riferimento è il Dott. Marco Loreto