



IEP Italy



Programme

Foundation Course
in New &
Conventional Energies

Academic
Year
2024/25

An institution
of higher education

In partnership with



Programme

Foundation Course in New & Conventional Energies

Overview

- Duration:** 12 Months
- Credits:** 60 CFU
(University Training Credits)
- Language:** English
- Locations:** Rome and
Castellabate Borgo
Piu Bello d'Italia



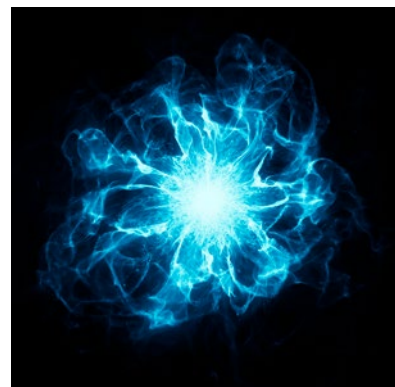
Concept/Mission

The New and Conventional Energies - Science Foundation Course is a forward-looking programme designed to prepare students for the rapidly evolving energy sector, where the transition from conventional to renewable energy sources is of paramount importance. This interdisciplinary course provides a comprehensive education in both traditional energy systems and emerging renewable technologies, with a strong emphasis on sustainability and environmental stewardship.

Students will explore the scientific, technical and economic aspects of energy production and management, gaining the expertise needed to contribute to sustainable energy solutions. Delivered in collaboration with leading institutions such as CIRPS, Boston Global Forum, and Borghi Più Belli d'Italia, this programme offers students a unique opportunity to engage with cutting-edge research and practical applications in the field of energy.

Course Modules

- **General Science:**
This foundational module covers key scientific principles that underpin energy production and environmental sustainability. Students will explore topics in physics, chemistry, and earth sciences, focusing on their application to energy systems.
- **Biomass for Energy and Fuel:**
This module delves into the role of biomass as a renewable energy source, covering its production, processing, and utilisation. Students will learn about the environmental and economic benefits of biomass, as well as the challenges associated with its use.
- **New and Conventional Energies:**
Students will study the full spectrum of energy production methods, from traditional fossil fuels to emerging renewable technologies such as solar, wind, and hydroelectric power. The module provides a comprehensive understanding of the technical, economic, and environmental aspects of each energy source.
- **Engineering Geology:**
This module focuses on the geological factors that influence energy production, including resource exploration, site selection, and environmental impact assessments.
- **Italian Language and Culture Course:**
Cultural immersion is integral to the programme. Students will engage in intensive Italian language studies and cultural exploration, gaining the skills and insights needed to work effectively within Italy's energy sector.





Stage & Didactic Programme

The course includes a practical stage component, where students will participate in internships or field experiences related to energy management and sustainable development. This hands-on approach allows students to apply their academic knowledge in real-world settings, preparing them for careers in the energy sector. The didactic programme also emphasises interdisciplinary learning, with opportunities for collaboration across scientific, technical, and economic disciplines.

Career Progression

Graduates of this foundation course will be well-prepared to pursue further studies or careers in energy management, environmental engineering, and sustainability. The programme provides a strong foundation for roles in both the public and private sectors, including positions in energy companies, environmental consulting firms, and government agencies focused on energy policy and sustainability.

Partners

This programme is developed in collaboration with Boston Global Forum and CIRPS, with prominent institutions such as La Sapienza Università di Roma, Università di Pisa, Università di Siena, Università degli Studi di Perugia, Università degli Studi di Sassari, IULM (Libera Università di Lingue e Comunicazione), Università degli Studi del Molise, Università del Salento, and Università eCampus. These partnerships provide students with unparalleled access to a network of global experts and opportunities for international collaboration.



International Education Partners

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ADVISORY BOARD International experts involved

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