University Metropolitan Tirana, Tirana, Albania
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Metropolitan University Tirana (UMT)
Faculty of Computer Science and IT

Internships in Albania Related to Renewable Energy

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MSc Virtyt Lesha and Dr Maaruf Ali
NEST4WB, Faculty of CS&IT

Internships in Albania Related to Renewable Energy in Albania (2023)

- 5 major companies identified so far:
- UNDP Albania Country Office
- Tetra Tech International Development
- GIZ Albania
- EBRD
- Statkraft

Statkraft

- Offers summer jobs and internship opportunities at their head office and regional offices.
- Interns can work on topics relatec to their studies and gain real-worl experience.
- Norwegian Company
- *Statkraft* is Europe's largest generator of renewable energy.
- They produce hydropower, wind power and solar power and are a global company in energy market.

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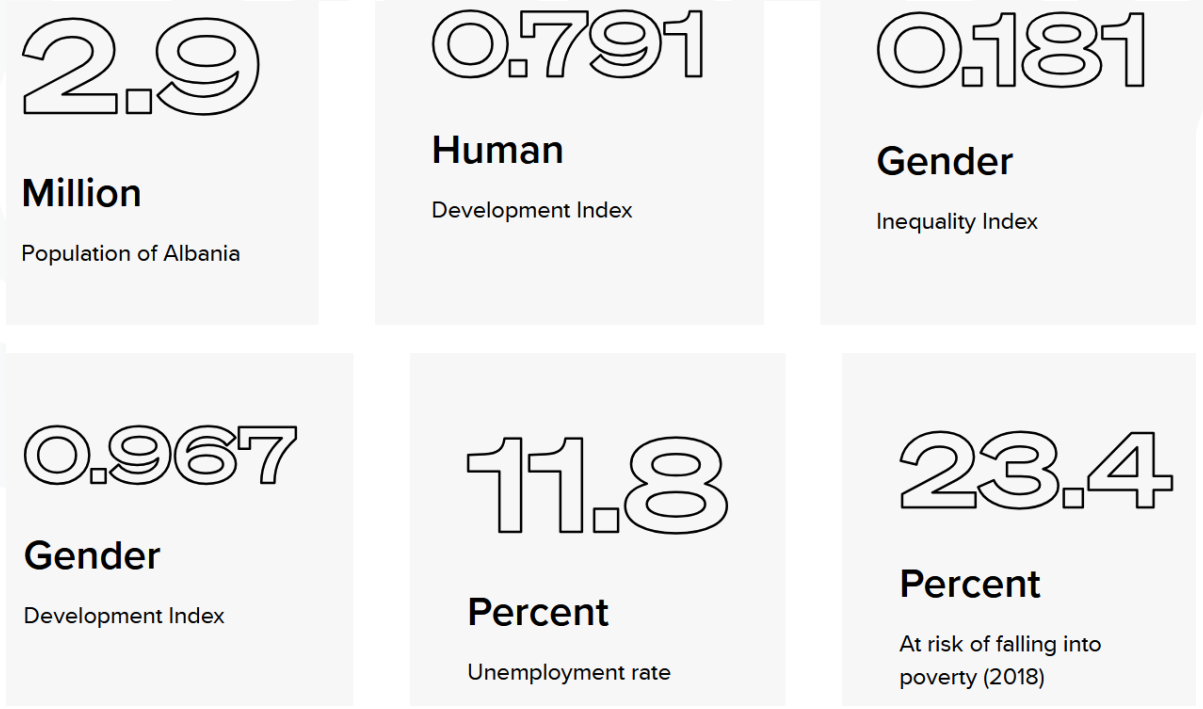
UNDP Albania Country Office

- Offers internships related to renewable energy and pilot projects to boost the solar energy market



Tetra Tech International Development

- Offers the Energjia e Re internship program, which connects final-year students and recent graduates with clean energy companies and the public energy sector.

GIZ Albania

- Offers internships through their Sustainable Rural Development Program (SRD), which works with business and government to increase competitiveness and raise income in rural areas.

EBRD

- Focuses on promoting sustainable energy and environmentally sound investments in Albania.

Hydroelectric Power Companies in Albania

Title	Site	Capacity (MW)
Koman HPP	Koman	600
Fierze HPP	Fierze	500
Vau i Dejes HPP	Vau i Dejes	260
Skavice HPP	Skavice	120
Moglice HPP	Moglice	184
Kukel HPP	Kukel	114
Kalivac HPP	Kalivac	93.3
Fang HPP	Fang	74.6
Banje HPP	Klos	70
Ashta 1, 2 HPP	Shkoder	52.3
Qarrishte HPP	Qarrishte	37.5
Peshqesh HPP	Peshqesh	27.9
Bistrice 1,2 HPP	Bistrice	27.5
Ulez HPP	Ulez	25.2
Shkopet HPP	Milot	24
Gostime HPP	Gostime	21.5
Stavec HPP	Stavec	20.8
Lure 1,2,3 HPP	Diber	16.2
Bele 1, 2 HPP	Bele	16
Prelle HPP	Prelle	14.7
Shoshan HPP	Shoshan	14.4
Vlushe HPP	Corovode	14.2
Sllabinje HPP	Korce	13.8
Lapaj HPP	Kukes	13.6
Pobreg HPP	Kukes	12.3
Darsi HPP	Darsi	10.9
Tervol HPP	Gramsh	10.6
Lumzi HPP	Lumzi	10.5
Martanesh HPP	Bulqize	10.5
Topojan HPP	Topojan	10.2

Solar Energy Power Companies

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Name of the provider	Website
Arber Solar	https://abersolar.com/
Ecosun Albania	https://ecosun.al/
EDICO	https://edico.al/
Enercom	https://www.enercom.al/
EuroElektra	http://www.euroelektra.al/
Ferro Group Solar	http://ferrogroup.al/
Global Power	https://globalpower.al/
Nova Solar	https://novasolar.al/
Panele Besi	https://panelebesi.al/
Progreen Solutions	https://progreensolutions.al/
SAT Konstruksion	https://satkonstruksion.com/
Solares	https://solares.al/
Solaris	https://www.solarisalbania.com/
Soltech Energy	https://www.solarisalbania.com/
Vega Solar	http://vegasolar.al/

MSc in Renewable Energy & Management – UMT (Albania)

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Semester 1

- Fundamentals of Renewable Energy Technologies
- Energy Policy and Regulation
- Mathematics & Statistics for Energy Management
- Sustainable Development and Environmental Impact

Semester 2

- Project Management for Renewable Energy
- Energy Systems and Grid Integration
- Energy Economics and Market Analysis
- Research Methods in Renewable Energy

Semester 3 (Choose 4 only)

- Energy Efficiency and Demand-Side Management
- Renewable Energy Entrepreneurship
- Energy Data Analytics and Visualization
- Sustainable Urban Energy Systems
- Climate Change and Renewable Energy
- Biomass and Bioenergy Systems
- Geothermal Energy Systems
- Wind Energy Development
- Hydropower Engineering and Management
- Solar Thermal Technologies

Semester 4 (30 ECTS) Project & Thesis

- Capstone Project (15 ECTS)
- Thesis Preparation and Defence (15 ECTS)

Contact Information

- Program coordinator details.
  - Maaruf.Ali@umt.edu.al projectoffice@umt.edu.al
- Application deadlines and process.
  - 13th November, 2024 – submission of new MSc programme to the Albanian Ministry of Education

ACADEMIC STAFF

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The staff of the faculty of computer science and IT is composed of professionals with years of experience in computer security, cybersecurity, artificial intelligence and in the global field of electrical and computer engineering.

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5th IEEE International Conference on Computing, Networking, Telecommunications & Engineering Sciences Applications 2024 (IEEE CoNTESA '24)

12th – 13th December, 2024

University Metropolitan Tirana (UMT), Albania

http://www.contesa24.theiaer.org/

IAER Journal Name	Publisher	Major Indexing / Impact Factor
Annals of Emerging Technologies in Computing (AETiC)	IAER	Scopus (Q2 in CS and EE), ISI ESCI (under evaluation), CiteScore: 3.5 (2023).

Relevant CoNTESA Conference Topics for NEST4WB

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Energy and Power Systems

- Low Carbon Power (Nuclear, Wind, Solar, Hydro, etc.) and Transport (Fuel Cells and Hydrogen)
- Energy Storage and Network Balancing
- Grid Integration and Infrastructure
- Distributed Polygeneration
- Energy Efficiency and Energy Management
- Nearly Zero Energy Buildings
- Smart Energy Communities
- Integrating Finance, Economies and Energy
- Computing, Data and 'Intelligent' Design
- Micro-Grid Operation
- System Stability, Dynamics and Control
- Power System Protection and Relaying
- Restructuring of Power System, Electricity, etc.

Engineering Education and Sustainable Development

- EESD and Circular Economy
- Global Issues in EESD
- Overcoming Barriers for EESD
- EESD and Energy
- Stakeholders in EESD
- EESD and Life-long Learning
- EESD and Disciplinary Approaches

THANK YOU!

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