



Pan African University
 Institute of Water
 and Energy Sciences

Master in Engineering and Policy Water and Energy Sciences



advancing africa



African Union Commission



Ministère de l'Enseignement Supérieur
 et de la Recherche Scientifique



Université Tlemcen



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Master in Engineering and Policy Water and Energy Sciences



Pan Africa University Institute of Water and Energy Sciences (incl. Climate Change) PAUWES

Our courses

The two-year programmes at PAUWES offer a broad grounding in both theoretical concepts and practical skills. Students in the **Master of Science in Water** and the **Master of Science in Energy** choose between two tracks, engineering and policy. Three semesters of study are required, with the fourth spent on a master's thesis.

To graduate, students must complete 120 credits, each worth 10 hours of teaching time. They must fulfil a number of common course requirements, take specific courses and two electives in their field of study and write a master's thesis.

Between the water and energy degree programmes, mandatory courses include topics such as the physics and technology of renewable energy, policy and management of renewables and water, and research methodology. In addition, skills courses such as communication and entrepreneurship are provided. Between the engineering and policy tracks in the degree programmes, common courses include physics and technology, economics, management, policy and skills, featuring tools and methods.

Electives allow students develop their skills in their area of concentration. Solar energy, wind, hydro and geothermal energy and biomass, as well as health and sanitation, integrated water resource management and water for agriculture are but a few of the offerings.

All graduate students must complete two common courses, one in African History and one in Gender and Human Rights.

A broad variety of teaching methods are employed, including lectures, tutorials, practical courses, seminars, internships, field trips. The language of instruction is English. Students are offered intensive English and French language courses at the beginning of studies.

About PAUWES

The Pan African University Institute of Water and Energy Sciences (including Climate Change) (PAUWES) is hosted by the University of Tlemcen, Algeria. The institute was founded by the African Union Commission as part of the Pan African University. In partnership with the German and Algerian governments, the Institute offers two-year Masters Programmes in water and energy sciences.

About PAU

The Pan African University (PAU) is an initiative of the African Heads of State and Government of the African Union. It is a premier continental university network whose mission is to provide a comprehensive postgraduate education geared towards the development of a prosperous, integrated and peaceful Africa. The PAU aims to exemplify excellence, enhance the attractiveness and global competitiveness of African higher education and research and establish African Universities. Five thematic institutes will establish Master and PhD programmes and engage in collaborative and development-oriented research programmes.

- Pan African University Institute for Basic Sciences, Technology and Innovation (PAUSTI) at Jomo Kenyatta University of Agriculture and Technology (JKUAT), Juja, Kenya.
- Pan African University Institute for Life and Earth Sciences including Health and Agriculture (PAULESI) at the University of Ibadan (UI), Ibadan, Nigeria.
- Pan African University Institute for Governance, Humanities and Social Sciences (PAUGHSS) at the University of Yaoundé II, Soa, Cameroon.
- Pan African University Institute of Water and Energy Sciences (including Climate Change) (PAUWES) University of Abou Bekr Belkaid Tlemcen, Tlemcen, Algeria.
- Pan African University Institute of Space Sciences, South Africa (host university still to be determined)

How To Apply

Interested candidates must apply through the PAU online application portal:

<http://www.pau-au.org/apply/>

Kindly note that only complete applications submitted online will be considered.

DEADLINE: 20th March 2016

Admission Requirements

Qualified, talented and enterprising applicants from African Union member states are invited to apply for the academic year 2016/17. The programme starts in September 2016.



Candidates should have:

- An undergraduate university degree with top-level grades (at least a second class upper division or its equivalent)
- Disciplinary background in science, engineering or related field (for engineering track)
- Disciplinary background in social sciences, economics, management or related field (for policy track)
- Fluent in English, French an asset
- No older than 30 years for men and 35 years for women

Women are particularly encouraged to apply.

Reasons to join PAU:

- Excellent programmes taught by world class faculty;
- A broad network of academic and professional partners on the continent and beyond;
- Joint degree awards from the Pan African University and its Host Universities;
- Excellent career prospects in some of the fastest growing industries, with relevant career guidance; and
- Vibrant, multi-cultural and Pan African learning and research environments.

Practical Information

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The PAUWES Masters programmes **begin in September** of each year, and run for **two years**.

Generous financial aid is provided for selected students, comprised of:



- Full scholarships and stipends available covering annual tuition of \$4,200 and monthly living expenses of \$750
- Flight ticket and transportation to and from Tlemcen
- Low-cost public transport and subsidised canteen on campus, extracurricular activities

Students are expected to commit to working in Africa after completion of their degree.

Pan African University

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- ▶ For general inquiries: info@pauwes.univ-tlemcen.dz
- ▶ For inquiries with regard to admissions: admission@pauwes.univ-tlemcen.dz

-  [facebook.com/PAUWES1](https://www.facebook.com/PAUWES1)
-  twitter.com/pauwes

About Tlemcen



PAUWES is based in Tlemcen, in north-west Algeria. The historical city of Tlemcen, which is home to 200,000 inhabitants, takes its name from the Berber word for "water springs". Its pleasant climate and Mediterranean flair, proximity to the sea and cultural diversity, as well as a rich history make it an attractive city for visitors from many parts of the world. The beautifully renovated El Mechouar Palace is definitely worth a visit, and so is the Lalla Setti Plateau and lookout which also attracts many locals during the holiday seasons. For more good views, try the cable car which connects the inner city gardens with the plateau.

PAUWES is hosted by the the Abou Bekr Belkaïd University of Tlemcen - one of Algeria's premier universities. Founded in 1989, it offers extensive, state-of-the art infrastructure for modern learning, accommodating 42,000 students. It has eight faculties and two elite schools for Science and Technology and Economic Science. It has a long tradition of welcoming a high number of international students from all over Africa.