

**Call for Applications to study MASTERS PROGRAMS at the  
University of Rwanda (UR), College of Science and Technology (CST),  
African Center of Excellence in Energy for Sustainable Development  
(ACE-ESD)**

**October Intake, Academic Year 2018/2019**

The Management of the University of Rwanda (UR) through its African Centre of Excellence in Energy for Sustainable Development (ACE-ESD) at College of Science and Technology (CST) is offering 3 **Masters Programs in Energy for Sustainable Development**:

1. Master of Science in Renewable Energy
2. Master of Science in Electrical Power Systems
3. Master of Science in Energy Economics

The **African Centre of Excellence in Energy for Sustainable Development (ACE-ESD)** is an approved ACE II project Centre of Excellence envisioned to address key economic challenges resulting from low rural energy access, poor adoption of energy technologies in rural areas, and poor inter-state energy trading in the Eastern and Southern Africa region. The ACE II project is a partnership between the World Bank and the Rwandan Government to strengthen selected institutions of higher education in the country to deliver quality post-graduate education and build collaborative research capacity in the Eastern and Southern Africa sub-region, and Africa as a whole.

**Master's Programs and Admission Criteria:**

**1. Masters of Science in Electrical Power Systems**

The global demands of affordable and sustainable resources for an improving world have placed an urgent need on electrical power engineers and researchers. In order to provide electricity and to build new smart solutions that enable a more sustainable energy and overcome main challenges provoked by lack of electricity and other technical problems. This program is established for those of you who would like to work within the areas of energy management, industry, systems and/or components within electric power engineering.



Therefore, the main objectives of this program are to provide candidates with knowledge and skills for planning, design and operation of Electric Power Systems and develop new methods and new high tech components for effective, reliable and sustainable systems and industrial products.

### **Admission Requirements**

To be admitted to MSc. Degree Program in Electrical Power System, applicants must have:

- A Bachelor's degree in the areas mentioned in the field of Mechatronics, Mechanical Engineering, Electrical Engineering, and Electro-Mechanical Engineering or Renewable Energy Engineering or other related fields with at least a second class, upper division;
- A Bachelor's degree in the same field /specializations as above, with second class, lower division, with at least a 2-year relevant working experience.
- And demonstrate sufficient ability in English to undertake masters-level work.

### **2. Masters of Science in Renewable Energy**

Renewable energies are broad based and changing the energy industry, creating a more different sector with vast opportunities for new technologies, new businesses in industry sector and new ideas. The program provides in-depth knowledge of all major renewable technologies, the opportunity to specialize in the areas that interest you most and innovation management to develop the energy engineers, entrepreneurs and innovators of the future.

With the MSc Program you acquire knowledge and competence for the design of plants for the use of renewable energy sources from economic and legal point-of-view the operation of plants for the use of renewable energy sources, the future assessment of environmental, technological and economic developments of renewable energy systems.

### **Admission requirements:**

To be admitted to MSc. Degree Program in Renewable Energy, applicants must have:

- A Bachelor's degree in the areas mentioned in the field of Mechatronics, Mechanical Engineering, Electrical Engineering, Electro-Mechanical Engineering, Energy Engineering or Renewable Energy Engineering or other related fields with at least a second class, upper division;
- A Bachelor's degree in the same areas/specializations as above, with second class, lower division, with at least a 2-year working experience.
- And demonstrate sufficient ability in English to undertake masters-level work.





### 3. Masters of Science in Energy Economics

The Masters of Science in energy economics is designed to educate future leaders and strategic thinkers in the energy sector. Researchers and Students develop skills to provide insightful analysis of energy markets in order to inform future market orientation, capital asset decisions and firm strategic direction. Built upon programs in the Africa Centre of Excellence in Energy for Sustainable Development (ACE-ESD), the Masters of Science in energy economics provides a new avenue for energy professionals to develop human capital relevant for business development and strategic planning roles.

#### Admission Requirements:

To be admitted to MSc. Degree Program in Energy Economics, applicants must have:

- A Bachelor's degree in Economics, Commerce, Statistics, Mathematics, Engineering, Agricultural Economics, Quantitative Economics, Finance, physics with Energy option or related fields with second class, upper division;
- A Bachelor's degree in the same areas/specialization as above, with second class, lower division, with at least a 2-year working experience.
- And demonstrate sufficient ability in English to undertake masters-level work.

As the English is the language of instruction for all programs, the **English Proficiency** is the requirement for all applicants.

**Duration of Master's Program:** 24 months

**College and Campus of Program offering:** College of Science and Technology (CST), Nyarugenge Campus

#### Mode of Attendance:

Full-time by Coursework (Courses will be offered in a modular basis) and Dissertation

#### Payments and Fee Structure for Postgraduate studies:

See the University fee structure downloadable from the University of Rwanda's website: <http://ur.ac.rw/sites/default/files/Postgraduate%20fees%20amended%20by%20SMC%20on%2016th%20February%202017.pdf#overlay-context=node/17%3Fq%3Dnode/17>

#### Scholarship Opportunities:

1. There are few full and partial scholarship opportunities available on a competitive basis for eligible candidates from Eastern, Southern Africa Region (Rwanda, Kenya, Malawi, Tanzania, Ethiopia, Burundi, Mozambique, Uganda, and Zambia) and others African Countries.
2. The ACE-ESD scholarship will support living and research expenses such as approved field trips/placements, internships, conference attendance, and



publication charges. Candidates awarded the ACE-ESD scholarships are supported only for the duration of studies, i.e., 2 years for Masters. However, this support is incumbent upon successful progress in each year. Candidates on the scholarship must Endeavour to complete their studies in the stipulated timeframes as extension of funding will not be possible.

**Key Dates for this call:**

1. Opening of online application process: 09 /July/2018
2. Closing of online application process: 31/ August/ 2018
3. Selection and Admission: 1<sup>st</sup>-15<sup>th</sup> /September /2018
4. Registration period: 16<sup>th</sup> – 30<sup>th</sup> September 2018
5. Starting date: Monday 1<sup>st</sup> October 2018

**Application process:**

1. Go to UR CPGS Webpage ([www.postgraduate.ur.ac.rw](http://www.postgraduate.ur.ac.rw)) by clicking on the link [UR Center Postgraduate Studies](#) on UR Website ([www.ur.ac.rw](http://www.ur.ac.rw))
2. Go to Students Portal and click to ([New Application](#))
3. Fill the **Biographical Form** and click (**Save**) at the end.
4. You will get “**Your Student ID Reference Number**” and create PIN.
5. Please keep this ID Reference Number as it will be your identification for your study and all transactions at UR.
6. Go to the Bank and pay your application fees using your created Student ID Reference Number (10,000 FRW for Rwandan and EAC candidates and 12,000 FRW for International Student)

**LIST OF COLLEGE ACCOUNTS TO BE USED DURING APPLICATION**

UR COLLEGE OF SCIENCES & TECHNOLOGY (CST)	00094-0651935-36	BANK OF KIGALI
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SWIFT CODE: BKIGRWRW

**NB: APPLICANTS SHOULD USE THEIR ID NUMBERS AND THEIR FULL NAMES DURING PAYMENT AND APPLICATION**

7. Go back to Student Portal on ([www.postgraduate.ur.ac.rw](http://www.postgraduate.ur.ac.rw))
8. On the write panel under Registered Users, put your Student ID Reference Number and created PIN. You will get a Form where there is a link for Application.
9. Fill the Application Form and Save at the end.





Please send the following (scanned and saved in one folder) documents to the following email: [admission.pgs@ur.ac.rw](mailto:admission.pgs@ur.ac.rw) with a copy to the Head of Masters studies of ACE-ESD at [jbikorimana27@gmail.com](mailto:jbikorimana27@gmail.com) (please make sure that the name of the folder is your ID Reference Number):

1. A cover letter indicating for which program of study the application is being made and description of the motivation to join the program
2. Notarized Undergraduate Degree or Equivalence from HEC and Transcripts
3. Motivation Letter
4. Copy of your ID or Passport
5. Updated CV
6. 2 Recommendation Letters from academic referees who are knowledgeable about the applicant.
7. Sponsorship letter from an organization (if any)
8. Applicants from countries where English is not the language of instruction at higher education must provide an English Proficiency Certificate from a relevant body or institution.
9. Proof of Payment of 10,000 FRW for Rwandans and EAC Citizens or 12,000 FRW for other International candidates

For more information please visit ACE-ESD website: <http://aceesd.ur.ac.rw>

**Note:**

For any additional information, clarifications or inquiry, please do not hesitate to contact:

1. **Mrs. Jocelyne MUTAGANDA, Postgraduate Studies Officer:** Tel: (+250) 788862609; email: [jmutaganda@ur.ac.rw](mailto:jmutaganda@ur.ac.rw)
2. **Mr. J.M.V BIKORIMANA, Head of Masters studies of ACE-ESD:** Tel: (+250) 781889088; email: [jbikorimana27@gmail.com](mailto:jbikorimana27@gmail.com)

**Thank you for choosing the University of Rwanda (UR)**

Done at KIGALI, on 10<sup>th</sup> July 2018



**Dr. Celestin NTIVUGURUZA**  
**Acting Director, University of Rwanda Centre for Postgraduate Studies (UR CPGS)**