



Kenya Power

## Institute of Energy Studies & Research – Kenya Power PROFESSIONAL TRAINING COURSE PROGRAMS 2021

The Institute of Energy Studies & Research (IESR) is an accredited Technical Industrial and Vocational Education Institution in Kenya under the TVET Act 2013 and an Industrial Training Institution registered under the Industrial Training Act Cap 237 of 2011. Our courses are examined by Kenya National Examinations Council (KNEC) and the National Industrial Training Authority (NITA). IESR is privately owned by Kenya Power and is also a registered Research institution. IESR invites applications for the following programs for 2021.

No.	COURSE TITLE	FOR WHOM	WHAT YOU LEARN IN THE COURSE	START DATES, DURATION & TUITION FEE
1	Electrical Installation Wireman (NITA) - <b>Evening (4:00pm-8:00pm)</b>	School leavers with minimum KCSE Mean Grade D - (Minus)	<ul style="list-style-type: none"> <li>✓ Acquire the right knowledge, skills and attitude in electrical wiring systems.</li> <li>✓ Learn how to do installation, maintenance and repair works for both domestic and industrial works</li> </ul>	<p><b>Duration:</b> 1 year of 3 terms in class attachment.</p> <p><b>Starting:</b> 15<sup>th</sup> March 2021</p> <p><b>Fees</b> KShs.25,000/= per term.</p>
2	Domestic Wiring, Overhead line construction & maintenance practicals (IESR) <b>Day (8:00am-5:00pm)</b>	Craft certificate and diploma holders in electrical engineering seeking to be hands-on front line workers in electrical installation, overhead line construction and maintenance.	<ul style="list-style-type: none"> <li>✓ Get equipped with the necessary knowledge and skills to construct and maintain electrical power distribution lines</li> <li>✓ Learn how to perform basic electrical wiring within domestic buildings. It provides the participants with practical training coupled with minimal theory aimed at producing</li> </ul>	<p><b>Duration:</b> Six (6) weeks full time sand witch course</p> <p><b>Starting:</b> 15<sup>th</sup> March 2021</p> <p><b>Fees</b> KShs. 42,000/=</p>
3	Solar Photovoltaic Systems Installation, Operation and Maintenance	Solar Installation technicians, design engineers, architects, dealers, lecturers/Teachers, energy professionals, financiers of RE Technologies, local authorities energy planners	<ul style="list-style-type: none"> <li>✓ Knowledge and skills required for the installation, operation and maintenance of solar power systems.</li> <li>✓ Trouble Shooting, Safety rules and standards when installing solar system panels</li> </ul>	<p><b>Duration:</b> 5 days</p> <p><b>Starting:</b> 19<sup>th</sup> – 23<sup>rd</sup> April 2021</p> <p><b>Fees:</b> Ksh. 40,000.00</p>
4	Repair and Maintenance of Air	Technicians involved in the operation,	<ul style="list-style-type: none"> <li>✓ Acquire skills in the</li> </ul>	<p><b>Duration:</b> 5 days</p>

	Conditioning and Refrigeration Systems	maintenance and repair of air conditioning and refrigeration systems	inspection and maintenance of refrigeration and air conditioning equipment. ✓ Perform the practical work in the area of refrigeration and air conditioning with competence in accordance with standards.	<b>Starting:</b> 26 <sup>th</sup> -30 <sup>th</sup> April April 2021 <b>Fees:</b> Ksh. 40,000.00
<b>5</b>	Small, Mini and Micro Hydro Power Plants Operations & Maintenance	Technicians and personnel seeking to acquire knowledge on the operations, maintenance and repair of hydro power plants.	✓ Understand the working principles of a Hydro power plant. ✓ Apply proper knowledge, skills and attitudes for care and maintenance of plant equipment. ✓ Carry out basic fault diagnosis on the plant equipment. ✓ Understand the evaluation of the operation of mini/micro hydro power	<b>Duration:</b> 5 days <b>Starting:</b> 24th -28th May 2021 <b>Fees:</b> Ksh. 40,000.00
<b>6</b>	Solar Thermal Water Heating	Installation technicians, design engineers, architects, dealers,	✓ Understand the fundamentals of solar thermal technology ✓ Gain knowledge on design and installation of solar thermal systems	<b>Duration:</b> 5 days <b>Starting:</b> 21st -26th June 2021 <b>Fees:</b> Ksh. 40,000.00
<b>7</b>	Diesel Power Plant Operation and Maintenance Course	Technicians and craftsmen who operate and maintain Diesel Plant equipment	✓ Understand the working principles of plant equipment ✓ Carry out operations and repairs and fault diagnosis on mechanical equipment in diesel power plants.	<b>Duration:</b> 5 days <b>Starting:</b> 19th – 23rd July 2021 <b>Fees:</b> Ksh. 40,000.00
<b>8</b>	Basic Welding Skills Course	Anyone interested in acquiring welding skills to enable them undertake repair and maintenance work	✓ Acquire skills in carrying out manual arc welding of various metals. ✓ Learn how to select the right tools, equipment and materials required for different types of welds.	<b>Duration:</b> 5 days <b>Starting:</b> 16th – 20th Aug 2021 <b>Fees:</b> Ksh. 40,000.00

**Note:** Accommodation is not provided

Tuition fees do not include other charges e.g. examination and other fees

**How to apply**

Download the applications form from [www.iesr.ac.ke](http://www.iesr.ac.ke)

**More Enquiries:** ☎ CISCO Ext. 811210/811215, Land line 020 2666348

Mobile 0725 55-9900

Email: [iesrinfo@kplc.co.ke](mailto:iesrinfo@kplc.co.ke)