Leicester College

Sustainable Energy and Renewable Technologies

Course Overview

What you will learn

The course is designed to develop the skills and competencies of the students in the following areas:

Module 1 Introduction to Fossil Fuels

Introduction to Global Warming

Module 3 Introduction to Climate Action

Module 4 Air Source Heat Pumps Fundamental Concepts

Module 5 Solar Thermal Fundamental Concepts

Module 6 Solar PV System Fundamental Concepts

Module 5 Solar Thermal Fundamental Concepts

Module 6 Solar PV System Fundamental Concepts

Module 7 System Fundamental Concepts

Module 8 Solar PV System Fundamental Concepts

Module 9 Solar PV System Fundamental

Entry Requirements

It's designed for adults aged 19+ who want to enhance their knowledge and skills in green practices within their organisation or business. The course complements experience in various fields, including plumbing, electrical, heating and ventilation, and renewable energy.

How you will be assessed

Modules 1-3 are assessed using the Student Activity Booklet.

The course is delivered in a way that the booklet is a working document to be completed throughout but it can also be completed at the end of the module three teaching.

by Modules 4-6 are assessed using the practical pathway manual that covers five tasks, the 5 pathways are:

by Pathway 1: Install, commission, and maintain heat pump

by Pathway 2: Install, commission, and maintain solar thermal

by Pathway 3: Install, commission, and maintain solar photovoltaic system

by Pathway 4: Install, commission, and maintain battery storage

by Pathway 5: Install, commission, and maintain electric vehicle charging point

by by by by by by by an an choose to do as many of these pathways as needed depending on the role of the candidates and the technologies available in centre but at least one of the pathways must be completed.

Course Progession

The course will provide a broad understanding of the need for renewable energy, student can work as renewable energy engineers, sustainability consultants, project managers, or researchers, advancing in roles focused on energy efficiency, policy development, environmental impact, and clean energy innovation across industries. Take a look at our other short courses to enhance your learning.

What Happens Next

Apply online via the College website. You will be contacted to attend an interview if required, or you will be sent a conditional offer according to the entry requirements for the course. You will then be invited in to enrol for your chosen course of study. For enrol and pay courses: Once you have decided to take the course, you need to fill in a short learner details form online and pay the course fee. Once you have done this, you will receive an electronic confirmation of enrolment and payment.

Course Details

Course Code P00764

Start Date Various

Study Hours Part Time

Duration 6 weeks

Campus Freemen's Park Campus

Level 2

Apply Here