



A short course to address skills gaps in Liverpool City Region

INTRODUCTION TO SMART BUILDINGS

Provides a comprehensive foundation in smart building technologies and explores their role in sustainable development. Designed to spark further interest and encourage deeper exploration into green careers. Prepares participants to contribute meaningfully to the green economy.

CONTENT

- Basic principles of smart buildings, their role in sustainability & green careers
- Sustainable design principles, material selection and construction methods
- The technologies used in smart buildings and their applications for energy efficiency & sustainability.
- How building management systems work & maintain efficiency & sustainability.
- Net zero targets, renewable energy integration and the role of smart buildings in reducing carbon emissions.
- Current & future career paths in smart building

12 guided learning hours



6 x 2-hour learning sessions



Assessment by online multiple choice exam



No prerequisites except functional maths & English



Certificate of attendance



Progress to other short renewables courses, training pathways and/or pursue jobs in the green sector

