



A short course to address skills gaps in Liverpool City Region

# INTRODUCTION TO HYDROGEN FUEL CELLS

Provides a basic understanding of hydrogen and fuel cell technology to give candidates an insight into a career in this field. Also relevant to those considering investing in renewable energy or transport and who would like to gain more of an understanding of how the technology works.

## CONTENT

- An introduction to net zero, CO2 and climate change
- An overview of hydrogen
- An introduction to electrolysis and hydrogen fuel cells including anodes and cathodes
- Overview of flow plates, backing layers & applications of fuel cells
- Advantages and disadvantages of fuel cells

9-12 guided learning hours



In-person evening course:  
2-3 sessions



Assessment by online multiple choice exam



No prerequisites except functional maths & English



Certificate of attendance



Progress to other short renewables courses, training pathways including construction/engineering

