

## Statement of participation

# Waleed Akbar

has completed the free course including any mandatory tests for:

### The science of nuclear energy

This 12-hour course delved into the science of nuclear energy.

**Issue date:** 07 June 2025



[www.open.edu/openlearn](https://www.open.edu/openlearn)

This statement does not imply the award of credit points nor the conferment of a University Qualification.  
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:

<https://www.open.edu/openlearn/science-maths-technology/the-science-nuclear-energy/content-section-overview>

COURSE CODE: **OUFL\_18**

## The science of nuclear energy

<https://www.open.edu/openlearn/science-maths-technology/the-science-nuclear-energy/content-section-overview>

### Course summary

This free course, The science of nuclear energy, will delve into the science behind nuclear power and explain what happens inside a nuclear reactor and what it means for an element to be radioactive. It will explore some of the risks of producing nuclear power and examine the arguments for and against including it in future energy planning as well as looking at other potential future solutions.

### Learning outcomes

By completing this course, the learner should be able to:

- understand the physics of nuclear fusion
- understand how a nuclear power station works
- weigh up and debate potential solutions to the problems associated with nuclear power
- assess the energy needs today and the part that nuclear power has to play
- identify current and future technologies.

### Completed study

The learner has completed the following:

#### Week 1

Into the atom

#### Week 2

Using nuclear energy

#### Week 3

Is nuclear power safe?

#### Week 4

A future for nuclear power?