

## Statement of participation

# Ioan Samuel Negrea

has completed the free course including any mandatory tests for:

### Electronic applications

This free 10-hour course explored how electronic systems can be found everywhere in communications, control and signal processing.

**Issue date:** 29 December 2023



[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/electronic-applications/content-section-0>

COURSE CODE: T312\_1

## Electronic applications

<https://www.open.edu/openlearn/science-maths-technology/electronic-applications/content-section-0>

### Course summary

Electronics is fundamental to modern life. Take for example this free course, Electronic applications. An interactive website with videos and interactive software will show how electronic systems pervade everything we do; review some basic ideas of signal processing, control and communications; and allow you to use a digital filter to remove Gaussian noise from a signal.

### Learning outcomes

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

- understand the mathematical representations and techniques for manipulating of signals in the time and frequency domains
- explain the application, benefits and limitations of communications, control and signal processing techniques in real world applications
- select and apply appropriate techniques to the analysis of time-varying signals represented in both the time and frequency domain
- use a digital filter to remove Gaussian noise from a signal.

### Completed study

The learner has completed the following:

#### Section 1

Electronics everywhere

#### Section 2

Signal processing

#### Section 3

Digital signal processing