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Certificate of Achievement

Jean Decian

has completed the following course:

AN INTRODUCTION TO ELECTRONIC ENGINEERING
UK ELECTRONIC SKILLS FOUNDATION

This online course introduced Electronic Engineering. It covered basic electronics theory and key concepts in both analogue and digital electronics. The course was partly based on first year Electronic Engineering modules at the University of Birmingham School of Engineering.

3 weeks, 3 hours per week

Dr Tim Jackson
Reader, School of Engineering
University of Birmingham

Kasper Buckbee
Schools Outreach and Education Officer
UK Electronic Skills Foundation

UK Electronics Skills Foundation

The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achievement.

This certificate represents proof of learning. It is not a formal qualification, degree, or part of a degree.

TRANSCRIPT

UK Electronics Skills Foundation

Jean Decian

has completed the following course:

AN INTRODUCTION TO ELECTRONIC ENGINEERING
UK ELECTRONIC SKILLS FOUNDATION

This online course introduced Electronic Engineering. The course explored applications of electronics which are down-to-earth – an electrical pick-up for a musical instrument – and out of this world – powering satellites and measuring Space Weather. Learners were introduced to basic electronics theory and key concepts in both analogue and digital electronics. The course was partly based on first year Electronic Engineering modules at the University of Birmingham.

STUDY REQUIREMENT
3 weeks, 3 hours per week

LEARNING OUTCOMES
- Explore real world Electronic systems and their components.
- Investigate the most common Electronic components and how they work.
- Improve your confidence in using the technical language surrounding Electronics.
- Compare how Electronics is used in the context of different systems.
- Develop the skills needed to start designing your own Electronic circuits.
- Produce designs for your own Electronic circuits and systems.

SYLLABUS
- Overview of basic electronic components such as resistors, capacitors, and transistors.
- Introduction to Systems Engineering and its terminology.
- Engineering problem solving skills.
- Real world examples relating to space weather, solar panels, and control systems.

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