

Statement of participation

Daniel Bradford

has completed the free course including any mandatory tests for:

Learning from major cyber security incidents

This free 8-hour course analysed various types of cyber attacks through a series of case studies.

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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/learning-major-cyber-security-incidents/content-section-0>

COURSE CODE: **TM255_1**

Learning from major cyber security incidents

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Course summary

As a society, we are now almost always connected to the internet and rely on it for many different day-to-day activities. However, this dependency on the internet can make us vulnerable to attacks. Once a connected device is compromised, it is not only that particular device that is affected – it can also be used as a springboard to attack other devices in the same network and in others. In this connected world, it is also inevitable that personal information is stored in large-scale government and commercial databases. Unfortunately, breaches of these large-scale databases happen fairly frequently and, when they do, personal information can be leaked which will make you, and millions of others affected, vulnerable to scams and other identity crimes. This course analyses several cyber security incidents and looks at what lessons can be learned.

Learning outcomes

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

- demonstrate an understanding of the key concepts, issues and technologies associated with cyber-attacks
- analyse cyber security incidents
- describe and discuss some of the technological, social, legal, ethical and personal issues that relate to cyber security incidents.

Completed study

The learner has completed the following:

Section 1

Cyber security basics

Section 2

Case study 1: WannaCry

Section 3

Case study 2: the TalkTalk hack

Section 4

Case study 3: the Mirai botnet

Section 5

Attacking infrastructure

Section 6

Conclusion