

**Telecoms & Tech
Academy**

UNIVERSITY CERTIFICATE IN LTE & 5G

Gain a thorough grounding in LTE and 5G
and the many supporting technologies

Accredited by:

Est.
1841 | **YORK
ST JOHN
UNIVERSITY**

www.telecomstechacademy.com/course/diploma-in-lte-5g



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ABOUT THIS COURSE

The University Certificate in LTE & 5G is a 10-month distance learning programme providing participants with highly detailed technical and business competencies surrounding LTE & 5G. The course focuses on current and future technologies, services, management techniques, digital transformation and protocol. Participants study one compulsory module and choose one specialised module from a choice of three.

The programme format

The modular structure allows you to customise the programme to support your aspirations and to fulfil your individual and organisational requirements, you study one compulsory module and choose one specialised module from a choice of three. Each module is designed to be studied over a period of a month and requires 20 hours of direct learning.

Who will benefit?

This would suit anyone in the telecommunications industry who requires a detailed understanding of the LTE & 5G concepts, the challenges in its deployment and an insight into the current market position. The programme is designed to give you a detailed understanding of LTE & 5G, and through its' modular structure allows for a good degree of specialisation and allows you to tailor your programme to suit you and your organisation's needs.

University Accredited Diploma

This programme leads to a University Award offered in partnership with the York Business School at York st John University; a UK-based university highly acclaimed in the area of employer engagement. You will need to successfully complete the assessments required including an end-of-programme exam and three longer written questions.

WHAT SETS THIS PROGRAMME APART?



The courses are examined and qualified by the biggest global provider of research, intelligence, events and training to the telecoms industry.



Flexible modular course structure allows you to study subjects most relevant to you and your business



You decide where and when to study and then set your own pace.



Through our mix of learning delivery methods and support, we keep you fully engaged to ensure you meet the required standard.



Regular webinars are provided, covering the latest technologies, business processes and industry developments



You will have full tutor support from a dedicated tutor with a wealth of industry experience

COURSE SUMMARY

Students complete 2 Modules

Core Module (1 module)

Module 1 – LTE and 5G Essentials

Specialist Modules (Select 1)

Module 2 – LTE and 5G Technologies

Module 3 – LTE and 5G Business Procedures

Module 4 – LTE and 5G Technologies and Business Procedures

ENHANCED LEARNING SOLUTIONS

Managed Learning System

Offers convenient and flexible access to resources such as course material, frequently asked questions, practice examinations and tutor support.

Fully Illustrated Courseware

Soft copy course notes, data and analysis from the Ovum research team, practical exercises and self-assessment tests in preparation for exams.

Tutorials

Regular informal tutorials to discuss the programme, ideas and progress, they give a chance to meet with tutors and other students online.

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Video Lessons

Informative videos used to outline key study points and to set the context for study and consolidate ideas, maximising learning and engagement.

Live Webinars

Enhance your learning with live webinars, bringing the latest technologies and business management topics that

SYLLABUS – MODULES

Module 1 – LTE and 5G Essentials

Themes

- C1 Introduction to LTE and 4G Wireless
- C2 The LTE Air Interface
- C3 The LTE Core Network (Evolved Packet Core)
- C4 Towards 5G - Markets & Technologies

Module 2 – LTE and 5G Technologies

Themes

- E1 LTE Radio Network Planning
- E2 Maximising Performance and Efficiency
- E3 Managing Services, PPC and Billing
- E4 Traffic Engineering, QoS and MPLS in IP Networks
- E9 Connected TV – Internet Protocol for Television

Module 3 – LTE and 5G Business Procedures

Themes

- E5 Operating Effectively in Telecoms
- E6 Marketing Telecoms and Digital Services
- E7 Technology Transformation
- E8 Project Management in Telecoms
- E10 Finance for Telecoms Professionals

Module 4 – LTE and 5G Technologies and Business Procedures

Themes

- E1 LTE Radio Network Planning
- E2 Maximising Performance and Efficiency
- E4 Traffic Engineering, QoS and MPLS in IP Networks
- E5 Operating Effectively in Telecoms
- E7 Technology Transformation
- E8 Project Management in Telecoms

*"I was really enlightened.
I liked how different
topics were introduced
and then developed..."*



PROGRAMME: UNIVERSITY CERTIFICATE IN LTE AND 5G

Module 1 – LTE and 5G Essentials

Themes

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- C2 The LTE Air Interface
- C3 The LTE Core Network (Evolved Packet Core)
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Themes

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- E2 Maximising Performance and Efficiency
- E4 Traffic Engineering, QoS and MPLS in IP Networks
- E5 Operating Effectively in Telecoms
- E7 Technology Transformation
- E8 Project Management in Telecoms

Assessment – 2500 word assignment

Student provided with question set and selects one option from available questions

Assessment – 2500 word assignment

Student provided with question set linked to theme choices and selects one option.

Assessment – 2500 word assignment

Student provided with question set linked to theme choices and selects one option.

Assessment – 2500 word assignment

Student provided with question set linked to theme choices and selects one option.

Successful Completion

Successful Completion

Successful Completion

Successful Completion

Student must complete this module



Student must select and complete ONE module from the choice



UNIVERSITY CERTIFICATE

Telecoms & Tech Academy is a leading training partner to the telecoms, media and technology (TMT) industries, having trained more than 30,000 professionals and 500 businesses globally.

We were borne out of the telecoms industry and understand the challenges the sector has been facing. Our training portfolio continues to evolve to help address new and emerging skills gaps faced by telecoms & tech businesses. To provide you with leading-edge knowledge, our learning is influenced by our partners including Ovum and Google.



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