

Electronic and Electrical Engineering

Broadband Technologies and Components (ELEC0108)**Description**

This module introduces the technologies involved in the design and construction of transport networks (wireless, copper and optical) and the applications areas in which they are used. It covers the physical fundamentals of the generation, guided transmission, amplification and reception of light, the design consideration and techniques used in radio networks, the principles of digital transmission and the role of optics and wireless in both access and core networks.

Key information

Year	2019/20
Credit value	15 (150 study hours)
Delivery	PGT L7, Campus-based
Reading List	View on UCL website
Tutor	Prof Cyril Renaud
Term	Term 1
Timetable	View on UCL website

Assessment

■ Written examination (departmentally managed): 100%

Find out more

For more information about the department, programmes, relevant open days and to browse other modules, visit ucl.ac.uk