MSc, PDiP EMBEDDED COMMUNICATIONS ENGINEERING

Canterbury
MSc, PDiP EMBEDDED COMMUNICATIONS ENGINEERING

The University of Kent is one of a select group of UK universities to offer Master’s conversion courses in engineering. Our MSc/PDip programmes in Embedded Communications Engineering target one of the key areas identified as having a shortage among engineering roles.

The huge growth of interconnected devices expected in the Internet of Things and the goals of flexible, high-speed wireless connections for 5G mobile networks and beyond, require programmable, embedded electronics to play a vital role. From the development of small, intelligent sensors to the design of large-scale network hardware that can be functionally adaptive in software-defined networking, there is a huge demand for advanced embedded electronics knowledge and skills in the communications sector.

About the programmes

The programmes can be taken flexibly over one, two or three years, and give you an extensive and thorough understanding of digital electronics and hardware programming for the communications sector, together with design skills highly relevant to industry. They are delivered by experts from our Communications Research Group and the Embedded Electronics team in the Automation Research Group, and are well-supported by industry partners, including Three UK, Rohde & Schwarz, Viavi Solutions and the Defence Science and Technology Laboratory (DSTL). You gain important, fundamental knowledge, hands-on design proficiency and exposure to industry contacts and their experience.

Course content

Broadband Networks; Computer and Microcontroller Architectures; Communications Theory; Communication Networks; Digital Signal Processing; Wireless/Mobile Communications; Embedded Real-time Operating Systems; Reconfigurable Architectures; Research Methods and Project Design; MSc Project (MSc only).

Who should apply

Graduates with a good honours degree in mathematics or physics. We accept graduates from other scientific/cognate disciplines, but they must demonstrate a high level of mathematical ability. Those who have not done any mathematics since A level or only have AS-level mathematics should contact us; a pre-sessional mathematics module is available to bring candidates up to the required level.

How to apply

www.kent.ac.uk/courses/postgrad/apply

Further information

Please contact:
T: +44 (0)1227 827323
E: eda-admission-pg@kent.ac.uk
www.eda.kent.ac.uk/postgraduate/default.aspx

Full details of our terms and conditions can be found at:
www.kent.ac.uk/termsandconditions