MEng Electronic Engineering with Business Management (H6NG)
MEng Electronic Engineering with Business Management with a year in industry (H6NF)

Electronics encompasses a wide range of technologies from fibre-optics to mobile technology, from music technology to nanoscale devices. Advances in each of these areas requires strong teamwork, and these teams have to be directed, organised and inspired by managers, trained to anticipate, understand, avoid and overcome problems. This programme aims to develop the skills required to manage engineers and engineering teams on scales from the smallest start-up to global industry. To succeed in these environments, graduates need to be knowledgeable, highly-skilled, professional and adept at communication and all aspects of project management. This programme aims to provide these skills, developed through a series of group and individual projects, as well as providing a strong, broad knowledge of electronics.

Drawing on the expertise of the Management Research Group, and including individual and group projects at every stage of the degree to develop practical, organisational, management and business skills, this programme will provide you with the knowledge and abilities you will need to confidently and successfully lead technical projects in both small and large enterprises.

The final year of this Masters-level programme extends the Bachelors (BEng) programme by providing an opportunity for further engagement with research staff, technology and literature. Students will manage a large-scale individual project, and extend their knowledge and experience in a variety of core and optional topic areas; together these opportunities allow you to develop the knowledge and skills required to take a leadership role in pushing forward this specialist subject area.

As with all our undergraduate degrees, the MEng Electronic Engineering with Business Management is fully accredited by the Institute of Engineering and Technology, and satisfies the educational requirements for becoming a Chartered Engineer.
Programme Learning Outcomes

Our undergraduate programmes are based around a shared set of six Programme Learning Outcomes (PLOs). These consist of four major areas, which are developed throughout each programme:

A. Knowledge – understanding & processing information about the subject (PLO1)

B. Engineering Application – using knowledge to create and modify solutions to real-world problems (This alone consists of 3 separately identifiable Programme Learning Outcomes (PLOs): PLO2: Engineering Analysis; PLO3: Engineering Design; PLO4: Practical Skills.

C. Communication – explaining concepts and results to other people (PLO5)

D. Management & Graduate Skills – professional self and group organisation (PLO6)

After completing the programme, graduates will be able to:

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<thead>
<tr>
<th>Area A: Knowledge</th>
<th>Conduct research in business management and applied electronic engineering to advance the state of knowledge in organisations, systems, algorithms, and devices.</th>
<th>PLO1 Subject Knowledge</th>
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<tbody>
<tr>
<td>Area B: Engineering Application</td>
<td>Extract and critically evaluate data from complex systems through analytical and computational methods and modelling.</td>
<td>PLO2 Engineering Analysis</td>
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<td>Create innovative and optimised designs to address real-world problems in industrial management and technology by synthesising ideas into engineering specifications.</td>
<td>PLO3 Engineering Design</td>
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<td>Apply professional skills of programming, CAD, construction and measurement, combined with an understanding of engineering systems and components, to solve technically challenging problems.</td>
<td>PLO4 Practical Skills</td>
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<td>Area C: Communication</td>
<td>Debate, defend and contextualise information in a succinct and technically accurate manner for audiences of engineers and members of the public, and to write and interpret technical documentation.</td>
<td>PLO5 Technical Communication</td>
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<tr>
<td>Area D: Management &amp; Graduate Skills</td>
<td>Proficiently manage themselves, teams and complex projects in preparation for technical careers as leaders in in engineering management.</td>
<td>PLO6 Management &amp; Personal Development</td>
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Find out more

For more details, including programme content and the application procedure, please visit our website:

[www.york.ac.uk/electronics/undergraduate/courses/business_management](http://www.york.ac.uk/electronics/undergraduate/courses/business_management)

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