



A-Level Design & Technology Product Design 'Into the sixth form'



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Why Design ?



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Course Overview

- Two year linear course
- 50% of the qualification comes from the NEA (design folio and prototype)
- 50% of the qualification is the written paper
 - Paper 1 – Technical Principles
 - Paper 2 – Designing Principles



NEA Non Examined Unit (Coursework)

- Student identified context with the opportunity of working with a commercial client or company



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Entry Requirements

- An interest in creativity and the desire to develop practical solutions.
- A strong pass grade at GCSE in D & T, particularly in the theory element of the course.
- A strong pass grade in GCSE Maths due to the 15% of Maths in a D&T context included in the written paper.
- The ability to be organised, self motivated and work systematically to deadlines.



Developing from GCSE

- Greater emphasis on product design and the work of commercial designers.
- More real life contexts and focus on developing an appreciation of the requirements of others.
- Develop a greater understanding of materials, modern manufacture, and the role of CAD/CAM



Opportunities



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A dedicated independent learning environment



Recent leavers course direction.

- Product Design
- Industrial Design
- Material Sciences
- Engineering
- Ergonomic Design
- 3d Additive Manufacture
- Computer Aided Design
- Automotive Design
- Aeronautical Engineering
- Architecture



MEng Mechanical Engineering with a Year in Industry

Imperial College
London

Typical offer range

As a guide, here are the typical offers made in 2016 to at least 85% of applicants studying A-levels:

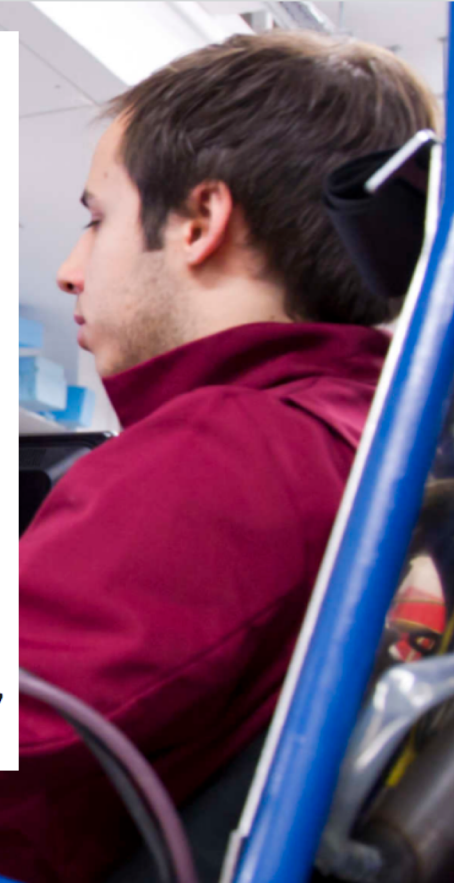
Three A-level offer: **A*A*A**

Four A-level offer: **A*AAA**

Subject and grade requirements (2018 entry)

We expect applicants for 2018 entry to meet the following grade requirements in these subjects:

- A* in Mathematics
- A*/A in Physics (A* is required if applying with three A-levels and A if applying with four relevant A-levels)
- A in one or two of the following: Biology, Chemistry, Computing, Design Technology, Economics, Electronics, Further Mathematics, Art and Design (4th A-level only)



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Academic Requirements

Essentials

All Colleges require **Maths** and **Physics** A Levels for admission to read Engineering. Chemistry is also required for admission to read Chemical Engineering via the Engineering route. (There is an alternative route to Chemical Engineering via Natural Sciences.)

[*Maths for Engineering: Notes for School Teachers*](#) gives advice to help applicants choose a suitable A Level Maths course and options within that course.

Third A Levels and Further Maths

All Colleges *strongly prefer* applicants for Engineering to be taking a third subject that is relevant to Engineering. Suitable subjects for your third A Level include (in alphabetical order) Chemistry, Computing, Electronics, **Design Technology** and Further Maths.

