PROGRAMMES WITH AN INTEGRATED FOUNDATION YEAR

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BRUNEL UNIVERSITY

Programmes with an Integrated Foundation Year

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- ★ Since 1988, Brunel has offered alternative routes into Level 1 of its degree programmes in the School of Engineering and Design and the School of Information Systems, Computing and Mathematics. This long history means that we have extensive experience in preparing students for entry to degree programmes for which they may not initially have had appropriate qualifications.
- ★ If you take a programme with an integrated Foundation Year you will still be eligible for financial support for the entire extended period of your degree. You should therefore apply to Student Finance England for support through to the end of your degree, and not just for the first year (this may be for four, five or even six years in total, depending upon whether you choose a BEng, MEng, BSc or MMath degree, and whether you take the full-time or sandwich mode).
- ★ At the end of your Foundation Year, Level 0, you will progress to Level 1 of a linked degree programme in Brunel's School of Engineering and Design or School of Information Systems, Computing and Mathematics.
- ★ Brunel's Foundation Year programmes are not 'Foundation Degrees'. They are instead an alternative entry route to the first year of an existing degree programme.

COURSES AT A GLANCE

David progressed onto the MEng in Motorsport Engineering.

Having known that I wanted to study Engineering since the end of my GCSE year, I chose Brunel because of a number of factors – its engineering reputation, its participation in Formula Student competitions and its close proximity to London.

I didn't get the grades to go straight into Level 1 of a degree programme so I took an integrated Foundation Year. This proved really helpful in improving my maths and physics and gave me a solid background in engineering fundamentals.

The Motorsport course also offered a 'sandwich' year in industry which I spent in Switzerland working for a large power company. I had an amazing time out there. The placement officer was fantastic at keeping me informed about new jobs and offering interview help and CV diagnostics.

Since returning to Brunel, I have become involved with the Formula Student team, having written my dissertation on our hybrid honeycomb chassis.

I'll never regret coming to Brunel. The opportunities available here will shape you and positively influence your future – they really have for me!

ENTRY CRITERIA

GCE A-level CCD, including Maths or Physics at A-Level or BCC without Maths or Physics at A-Level (General Studies and Critical Thinking not accepted).

Advanced Diploma Progression Diploma Grade C in Engineering, plus the Specialist Unit in Maths for Engineers at Grade C along with 1 AS-level at Grade D for Additional and Specialist Learning.

BTEC Level 3 Extended Diploma DMM in an Engineering related subject.

IBDP 27 Points, including Higher Level Maths or Physics or 29 Points without Higher Level Maths or Physics.

Foundations of Engineering Foundation courses not accepted for this course.

Access Pass in an Engineering Subject.

For all of the above, 5 GCSEs or equivalent at Grade C or above are also required, to include English and Maths (please note that these must have been gained by the time you submit your UCAS application).

MODE OF STUDY/ UCAS CODES

H100 1-YEAR FULL-TIME (LEVEL 0 OF A FULL DEGREE PROGRAMME)

Engineering with an Integrated Foundation Year

Check the Web for up-to-date course, entry criteria and fees information.

ABOUT THE COURSE

If you have studied subjects like arts, humanities or human sciences, and have secured high grades, this Foundation Year will help you switch to the challenging yet secure world of engineering and technology. Alternatively, you may need to build on existing qualifications in order to be accepted for an engineering degree.

During your foundation year, you will take modules from a range of subjects relevant to the area you want to enter, together with study skills, project work and practical techniques.

On successful completion of the year, you will progress to the first year (Level 1) of your chosen degree programme. You will have had a taste of several disciplines, so you will be confident that you are choosing a course you will enjoy. Progression is dependent upon satisfactory achievement of the required grades for your chosen course.

TYPICAL MODULES

- Mathematics
- Physics
- Engineering Science
- Electronic Engineering
- Materials Science
- Communication
- Engineering Projects

PROJECT WORK

There will also be two project breaks, each of one week's duration, which will require the application of practical knowledge, mathematical and scientific skills, elements of design, graphical ability and intuition and initiative in a series of group projects.

TEACHING AND ASSESSMENT

As well as lectures and seminars, you will have workshops in maths and physics and two weeks devoted entirely to experiential learning. Theoretical subjects such as Maths, Physics and Engineering Science are mainly assessed by formal written examinations. Skills-based subjects such as Engineering Projects and Communication are assessed by coursework, presentations and lab reports.

EMPLOYABILITY

This programme is a conversion course for students who wish to study for an honours degree in engineering, technology or science at university.

CAREERS

Brunel engineering students have excellent career prospects. This programme provides an introduction to a variety of careers in engineering, not all of which are necessarily suggested at school or college.

CONTACT

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Information Systems, Computing and Mathematics with an Integrated Foundation Year

Check the Web for up-to-date course, entry criteria and fees information.

ABOUT THE COURSE

Information Systems, Computing and Mathematics with an Integrated Foundation provides an introduction to a variety of exciting and fast-moving disciplines in Information Systems and Mathematics. The programme enables those who originally chose another career route to switch to an incredibly diverse range of challenging and fulfilling careers that value or require a strong background in computing or mathematics. It is also an opportunity for mature students to return to study.

After completing the programme, you will be able to make a well-informed decision as to where your interests lie.

TYPICAL MODULES

- Study Skills
- Discrete and Decision Mathematics
- Mathematical Methods
- Introduction to Computers and Programming
- Statistics

TEACHING AND ASSESSMENT

You will be taught through various methods such as lectures, tutorials and computer workshops. The ratio of exams to coursework is approximately 60:40. Coursework consists mainly of short tests and project work.

EMPLOYABILITY

Graduates with degrees for which this Foundation Year acts as a first step, are always in high demand. For details see the course pages for those degrees.

CAREERS

Talented people who have good technical or scientific qualifications, as well as imagination, enthusiasm and communication and organisational skills, are always in great demand. A wide variety of interesting and well-paid career opportunities are available.

ENTRY CRITERIA

GCE A-level CDD, preferably including Maths/Physics.

BTEC Level 3 Extended Diploma MMM in a related subject.

IBDP 26 points

Access Pass

Advanced Diploma Progression Diploma Progression Diploma Grade D in one of the following subjects, plus an A-level at Grade C for Additional and Specialist Learning: Construction and the Built Environment; Engineering; Society; Health and Development; IT; Environmental and Land-based Studies; Manufacturing and Product Design; Business, Administration and Finance; Public Services; or Retail Business.

For all the above, 5 GCSEs at Grade C or above are also required, to include English and Maths (please note that these must have been gained by the time you submit your UCAS application).

MODE OF STUDY/ UCAS CODES

G503 1-YEAR FULL-TIME (LEVEL 0 OF A FULL DEGREE PROGRAMME)

CONTACT

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