



QUEEN'S
UNIVERSITY
BELFAST

FACULTY OF
ENGINEERING
AND PHYSICAL
SCIENCES



APPLICANT INFORMATION

Fdn Deg in Mechanical Eng.



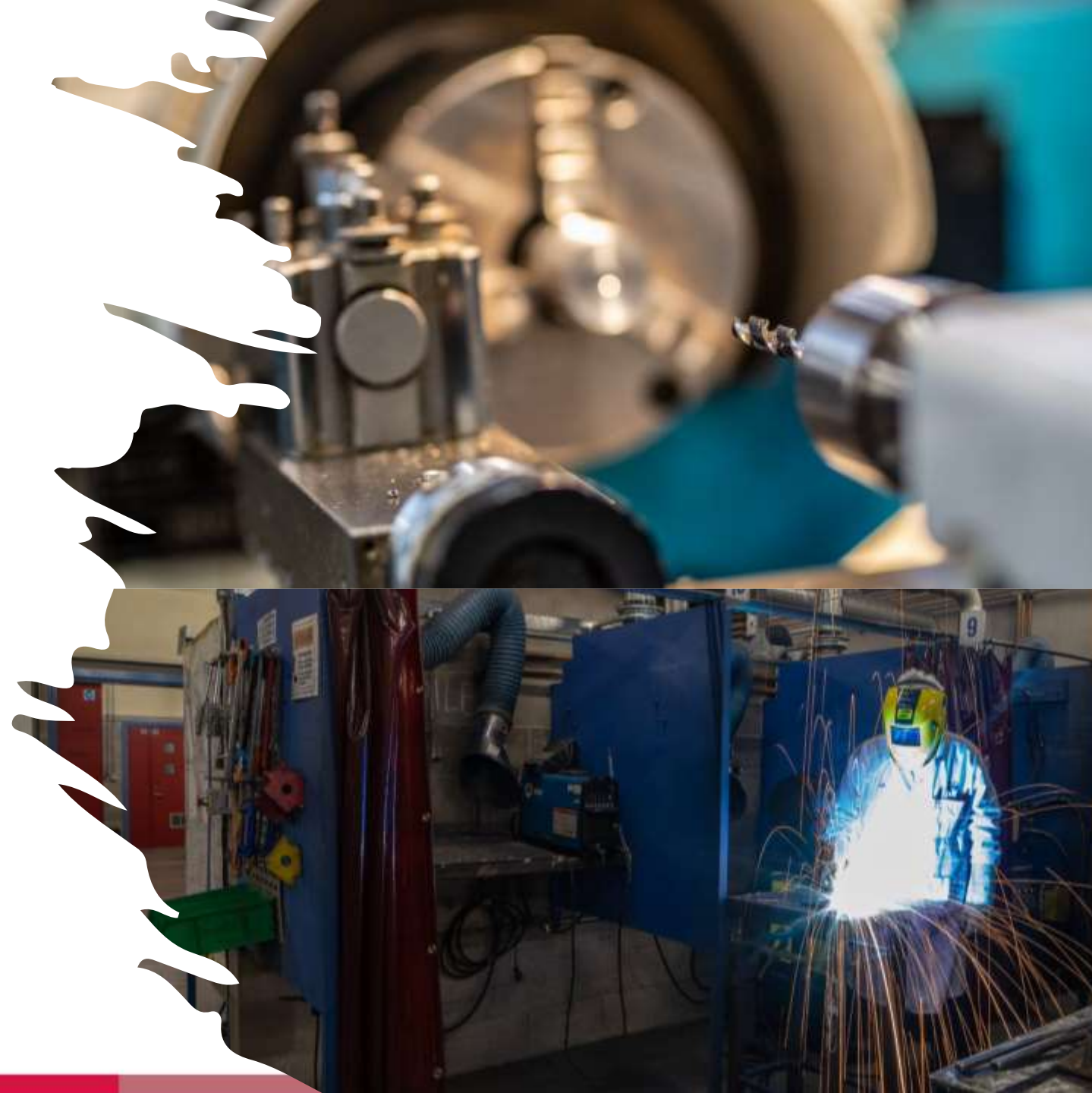
Pre-entry Advice and Guidance

This guidance will provide you with:

- Course information – including what you will learn and how you will be assessed
- Course entry requirements
- Progression pathways – future learning and/or employment
- Your next steps

This guidance should help you decide if this is the right course for you.

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Did you know?

- The first Mechanical Engineering Degree at QUB was delivered at Belfast Municipal Institute – first students enrol 1912.
- Fdn Deg is accredited by QUB - a Russell Group University
- More than 60 % of Foundation Degree students who graduate from QUB obtained either a 2.1 or 1st degree.
- Lectures for 3.5 days per week
- Belfast Met lecturers have recognised teacher status from QUB
- Student volunteer at the Ulster Aviation Society
- Belfast Met students are also QUB students
- QUB Stage 2 Module - *Manufacturing Technology* is delivered at BelfastMet (Millfield Campus)

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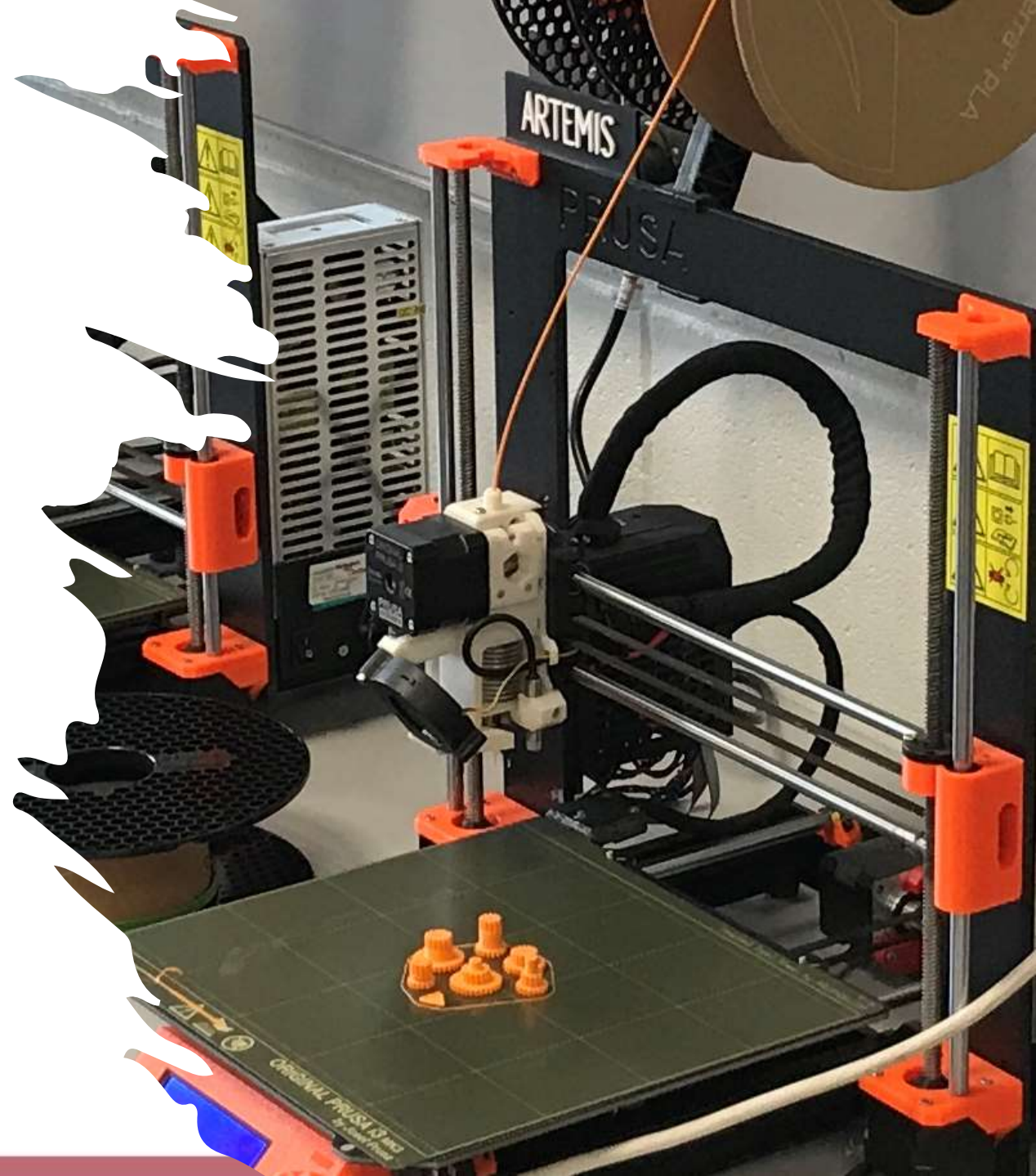
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- Avail of Student accommodation providers (QUB Halls, Student Roost, Fresh)



Facilities

- Engineering Workshops
- Foundry Workshop
- Welding Workshop
- 3D Printers / 3D Scanning
- Laser and Plasma Cutting
- Windows Virtual Desktop
- 400 PC's + software
- BelfastMet Library and access to QUB Library services



Mechanical Engineering – what is it?

Mechanical engineering is a combination of **science**, **maths**, and **computing**.

It's the study of machinery, and how to manufacture and maintain it at all levels. Mechanical engineers build the world around us.

Aeronautical Engineering – what is it?

Aeronautical engineering is the science of designing, manufacturing, testing and maintaining flight-capable machines.

It is how aircraft are designed, constructed and powered, how they are used and how they are controlled for safe operation.



Course Content – Foundation Deg in Mechanical Eng

1 st Year	2 nd Year
Intro to Mechanical Engineering	Work Based Learning
Introductory Maths	Engineering Maths
Solids and Dynamics A	Solids and Dynamics B
Thermo and Fluids A	Thermo and Fluids B
Materials, Design and Manufacturing	CAD
	Electrical Components and Systems



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Ulster Aviation Society

The college has close links with the Ulster Aviation Society

1st year students complete Project week at UAS working on real aircraft (Tornado)

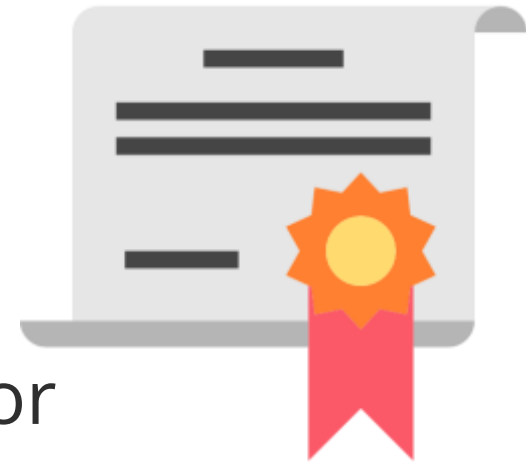
Students continue as volunteers for UAS

www.ulsteraviationsociety.org

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Course Entry Requirements



- **A level requirements**

CC including Mathematics and at least one of Physics (preferred), Biology, Chemistry, Further Mathematics or Technology & Design..

- **BTEC Level 3 Extended/National Extended Diploma**

QCF Level 3 BTEC Extended Diploma (180 credits), with 90 credits at Merit grade and 90 credits at Pass grade, with Merits required in four specified units, including Mathematics for Technicians and Further Mathematics for Technicians.

1. Please also check the Minimum Entry Requirements [here](#)
2. All applicants must have GCSE English Language grade C/4 or an equivalent qualification acceptable to the University.
3. Applicants not offering Physics at A-level should have a minimum of a grade C/4 in GCSE Physics or GCSE Double Award Science grades CC/4,4.
4. Proof of qualifications MUST be provided when you enrol, e.g. exam certificates.
5. Achieved and pending qualifications can be recorded in your online application account.

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Additional Support

Additional support is available for you in class and for exams if you have a confirmed disability, learning difficulty or long-term medical condition e.g. extra time, a reader and/or a scribe.

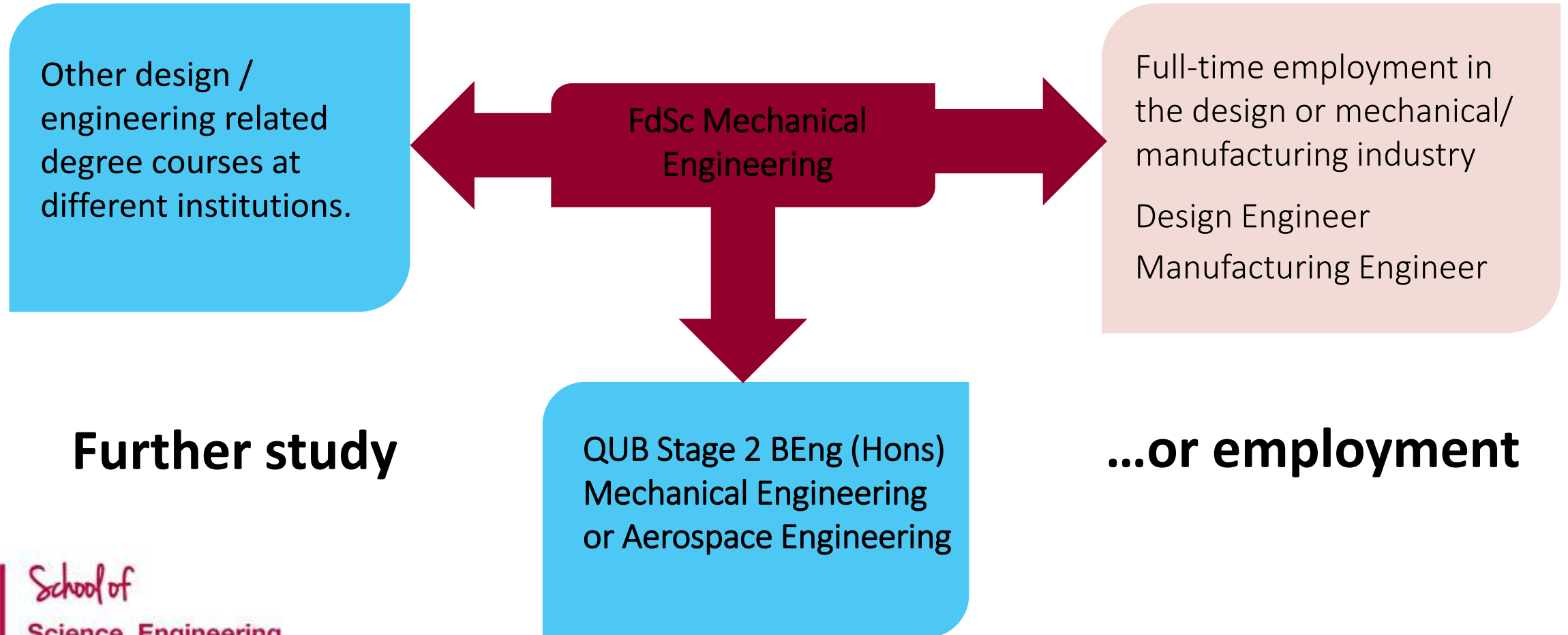
Contact the Inclusive Learning Team to see what support is available. You will also need to complete an LS1 Form at the start of the academic year.

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Progression Pathways



Your Next Steps ...

1. Check out our Open Days and Information Sessions
– check website for details

2. Apply Now

[UCAS](#) - clearing

[QUB Admissions and Access Service](#)

Useful Contacts Course Co-ordinator:

Dr Neil McDowell

NMcdowell@belfastmet.ac.uk

Course enquiries:

Tel 028 90265 265 Option 2

Other queries: Tel 028 9026 5000

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