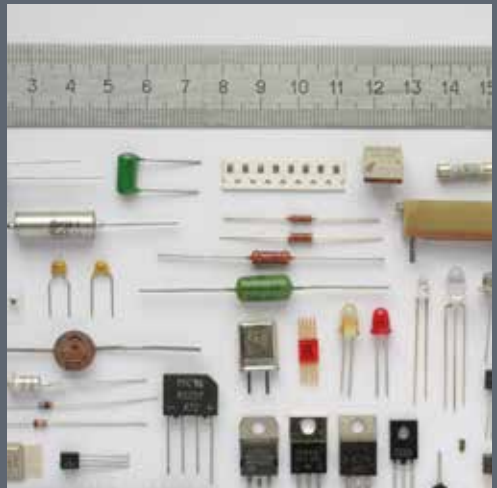


FOUNDATION AND TOP-UP DEGREES

Department of Mechanical Engineering and Mathematical
Sciences courses delivered through an Associate College Partner



ASSOCIATE COLLEGE PARTNERS

The Department of Mechanical Engineering and Mathematical Sciences annually invites all students to Wheatley for an interactive day which involve many different workshops. This is a chance to meet current Oxford Brookes students and staff.

Brookes has formed strong partnerships with regional colleges so you can study for an Oxford Brookes degree closer to home. As a student of these colleges you will have access to the facilities and support of Oxford Brookes University.

A Foundation degree course lasts two years full time (three years part-time), and enables you to gain a qualification by building on your existing skills and experience.

Taking your Oxford Brookes University degree at one of our partner institutions means you will benefit from a strong academic partnership that brings together the best of both institutions. Your course will be quality assured by the University, a guarantee of its academic standard, and yet you can study flexibly at a location convenient to you and your lifestyle.

In addition to the facilities offered at our partner institutions, you can have full access to Oxford Brookes University's resources, for example the extensive online library. You can join the Students' Union (Brookes Union) and if you visit the Brookes campus, you can enjoy all student facilities, including the sports centre and award-winning John Henry Brookes building with its social learning spaces, cafés and library.

Throughout your time at our partner colleges you will benefit from a programme of activities we have developed with Oxford Brookes. This includes study skills training and support for those interested in progressing from a foundation degree to a full bachelor's degree. Your course has been designed to help you build skills that will boost your employability.

Timetables are designed to fit flexibly around your existing work commitments and all of our engineering programmes have been shaped with input from industry. As an Oxford Brookes student you have access to our careers service which provides advice and guidance on pursuing your chosen career.



Associate College Partners Student Conference 2015

WHAT OUR STUDENTS THINK OF OUR COURSES

In the recent National Student Survey our Associate College Partners gained the following results.

FdEng at Bridgwater: 100% overall satisfaction

FdEng at Brooklands: 90% overall satisfaction

FdEng at Banbury and Bicester College: 92% overall satisfaction



'Brookes is very closely connected to Brooklands College, students who do a Foundation degree can come to Brookes to do their final year.... Brookes gives the colleges previous Formula Student cars to work on which has helped us when we have done lab work as part of our course.'

Richard Smith and Ross Jackson MEng Mechanical Engineering, former FdEng students at Brooklands College

The National Student Survey (NSS) is an online questionnaire which is sent to all final year students in higher education institutions in the UK. The questionnaire has a core set of twenty-two questions to assess the following aspects of the students' learning experience:

- Teaching
- Assessment and feedback
- Academic support
- Organisation and management
- Learning resources
- Personal development
- Overall satisfaction

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FOUNDATION DEGREE (FdEng) IN ELECTRICAL AND ELECTRONIC ENGINEERING



How will I study?

You will study full-time or part-time, taking 16 modules examples of which include:

Mathematics, engineering design, business management techniques, engineering science, electrical and electronic principles, materials engineering, electronics, project management, programmable logic controllers and electrical power systems (HV), digital electronics and electronic design.

There will be a work-based module at Level 4 and a work-based project at Level 5.



What are the entry requirements?

A minimum of three passes at GCSE grades A*-C including Mathematics at grade B and English language (or equivalent qualifications).

PLUS

At least one pass at A-level or 6-unit vocational A-level in Mathematics, Physics or a closely related subject, or other equivalent full Level 3 qualification in an Engineering related discipline, to include merits in the applied units.

Students with at least two years of relevant work experience, and mature applicants with relevant experience are encouraged to apply.



Where can this course take me?

On completion of the course you have the option of applying through UCAS for advanced progression on to the BSc (Hons) Electronic Engineering at Oxford Brookes. This will depend on the modules you studied and your standard of work. Please contact our admissions team for further information about progression.

You will receive information from academic staff during the programme about choosing modules to enable progression.

You will also be eligible to apply for a variety of roles in the electronics industry.

FOUNDATION DEGREE (FdEng) IN MECHANICAL ENGINEERING

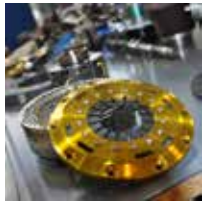


How will I study?

You will study full-time or part-time, taking modules examples of which include:

Mathematics, engineering design, business management techniques, engineering science, mechanical principles, design for manufacture, project management, stress analysis, engineering test and measurement, CAD, CAM, thermo, fluids and materials engineering.

There is also a work-based module for Level 4 and a work-based project at Level 5.



What are the entry requirements?

A minimum of three passes at GCSE grades A*-C including Mathematics at grade B and English language (or equivalent qualifications).

PLUS

At least one pass at A-level or 6-unit vocational A-level in Mathematics, Physics or a closely related subject, or other equivalent full Level 3 qualification in an Engineering related discipline, to include merits in the applied units.



Students with at least two years of relevant work experience, and mature applicants with relevant experience are encouraged to apply.

Where can this course take me?

On completion of the course you have the option of applying through UCAS for advanced progression on to the BSc (Hons) or the BEng/MEng in Mechanical Engineering at Oxford Brookes. This will depend on the modules you studied and your standard of work.

Please contact our admissions team for further information about progression. You will receive information from academic staff during the programme about choosing modules to enable progression.

You will also be eligible to apply for a variety of roles in the mechanical engineering industry.

**FOR MORE INFORMATION ABOUT THESE COURSES PLEASE CONTACT
ABINGDON & WITNEY COLLEGE**

Telephone: +44 (0)1235 555 585

Email: enquiries@abingdon-witney.ac.uk

Website: www.abingdon-witney.ac.uk

FOUNDATION DEGREE (FdEng) IN MOTORSPORT: PERFORMANCE AND AUTOMOTIVE TECHNOLOGY



Accredited for partial IEng with IET

How will I study?

You will study full-time or part-time, taking modules examples of which include:

Engine technology, graphics and design, engineering science, mathematics, managing resources, composite materials technology, manufacturing technology, automotive and engineering design and computer aided design, vehicle technology, performance engineering vehicle electrical and electronic systems, business management techniques, road and race car aerodynamics, managing quality and customer interface.

There will also be a work-based module at Level 4 and a project at Level 5.



What are the entry requirements?

A minimum of three passes at GCSE grades A*-C including Mathematics at grade B and English language (or equivalent qualifications).

PLUS

At least one pass at A-level or 6-unit vocational A-level in Mathematics, Physics or a closely related subject, or other equivalent full Level 3 qualification in an Engineering related discipline, to include merits in the applied units.

Students with at least two years of relevant work experience, and mature applicants with relevant experience who do not have the stated entry requirements are encouraged to apply.

Where can this course take me?

On completion of the course you have the option of applying through UCAS for advanced progression on to the BSc (Hons) Motorsport Technology or BEng/MEng in Motorsport at Oxford Brookes. This will depend on the modules you studied and your standard of work. Please contact our admissions team for further information about progression. You will receive information from academic staff during the programme about choosing modules to enable progression.

You will also be eligible to apply for a variety of roles in motorsport and other engineering disciplines.

**FOR MORE INFORMATION ABOUT THIS COURSE PLEASE CONTACT
ACTIVATE LEARNING, BANBURY AND BICESTER COLLEGE**

Telephone: +44 (0)1865 550 550

Email: HE@activatelearning.ac.uk

Website: www.activatelearning.ac.uk/HE

FOUNDATION DEGREE (FdEng) IN MOTORSPORT ENGINEERING



Institution of
**MECHANICAL
ENGINEERS**



Accredited for partial IEng with IET and IMechE

How will I study?

You will study full-time or part-time taking 16 modules over the two-year course, examples of which include:

Aerodynamics, composite materials, powertrain technology, data acquisition and analysis, engine technology, engineering science, computer aided design (CAD), performance engineering, manufacturing technology, vehicle dynamics, business management techniques, electronics and microprocessors.

There will also be a work-based module at Level 4 and a project at Level 5.



What are the entry requirements?

A minimum of three passes at GCSE grades A*-C including Mathematics at grade B and English language (or equivalent qualifications).

PLUS

At least one pass at A-level or 6-unit vocational A-level in Mathematics, Physics or a closely related subject, or other equivalent full Level 3 qualification in an Engineering related discipline, to include merits in the applied units.

Students with at least two years of relevant work experience, and mature applicants with relevant experience are encouraged to apply.



Where can this course take me?

On completion of the course you have the option of applying through UCAS for advanced progression on to the BSc (Hons) Motorsport Technology (subject to validation) at Bridgwater College. Alternatively you can study BSc (Hons) or the BEng/MEng Motorsport at Oxford Brookes. Please contact our admissions team for further information about progression. You will receive information from academic staff during the course about choosing modules to enable progression.

You will also be eligible to apply for a variety of roles in motorsport and other engineering disciplines.

**FOR MORE INFORMATION ABOUT THIS COURSE PLEASE CONTACT
BRIDGWATER COLLEGE**

Telephone: +44 (0)1278 441 234
Email: info@bridgwater.ac.uk
Website: www.bridgwater.ac.uk

FOUNDATION DEGREE (FdEng) IN MOTORSPORT ENGINEERING

Brooklands College



Accredited for partial IEng with IET



How will I study?

You will study full-time or part-time, taking modules examples of which include:

Engine technology, engineering science, mathematics, composite materials technology, manufacturing technology, computers in motorsport engineering, business administration and organisation, design and graphics, vehicle technology, performance engineering, vehicle electrical and electronic systems, business management techniques, manufacturing management, event management, supervisory studies, materials engineering, computer aided design.

There will also be a work-based module at Level 4 and a work-based project at Level 5.

What are the entry requirements?

A minimum of three passes at GCSE grades A*-C including Mathematics at grade B and English language (or equivalent qualifications).

PLUS

At least one pass at A-level or 6-unit vocational A-level in Mathematics, Physics or a closely related subject, or other equivalent full Level 3 qualification in an Engineering related discipline, to include merits in the applied units.

Students with at least two years of relevant work experience, and mature applicants with relevant experience are encouraged to apply.

Where can this course take me?

On completion of the course you can progress on to the BSc (Hons) Motorsport Technology (subject to validation) at Brooklands College or apply through UCAS for advanced progression on to the BSc (Hons) or the BEng/MEng programme at Oxford Brookes. This will depend on the modules you studied and your standard of work. Please contact our admissions team for further information about progression. You will receive information from academic staff during the programme about choosing modules to enable progression.

You will also be eligible to apply for a variety of roles in motorsport and other engineering disciplines.

**FOR MORE INFORMATION ABOUT THIS COURSE PLEASE CONTACT
BROOKLANDS COLLEGE**

Telephone: +44 (0)1932 797 700
Email: info@brooklands.ac.uk
Website: www.brooklands.ac.uk

FOUNDATION DEGREE (FdEng) IN MECHANICAL ENGINEERING



SUBJECT TO VALIDATION

This course is subject to validation. The course will be similar if not the same as the below details which are true at time of print. Validation is a process that builds consistent and industry relevant courses. For the most up-to-date information on this course before applying, please visit the Swindon College website



How will I study?

You will study full-time or part-time, taking modules examples of which include:

Mechanical principles and engineering science, mathematics, electrical and electronic science, CAD and CAM, engineering management, stress analysis and materials, computer aided engineering, PLCs, manufacturing and thermo-fluids

There will also be a work based module at Level 4 and a work-based project at Level 5.

What are the entry requirements?

National Certificate / Diploma or other full equivalent Level 3 qualification, in a discipline related to Engineering, minimum grade MM, plus a minimum of three passes at GCSE (grades A-C) including Mathematics at grade B or equivalent and English language.

PLUS

Employment in an appropriate workplace setting with your organisation's support for the programme.

Applicants with equivalent qualifications and experience may be accepted on an individual basis.

Where can this course take me?

On completion of the course you have the option of applying through UCAS for advanced progression on to the BSc(Hons) or BEng/MEng programme at Oxford Brookes. This will depend on the modules you studied and your standard of work. Please contact our admissions team for further information about progression.

You will receive information from academic staff during the programme about choosing modules to enable progression.

You will also be eligible to apply for a variety of roles in mechanical engineering.



FOR MORE INFORMATION ABOUT THIS COURSE PLEASE CONTACT SWINDON COLLEGE

Telephone: +44 (0)1793 491 591

Email: studentservices@swindon.ac.uk

Website: www.swindon.ac.uk

FOUNDATION DEGREE (FdEng) IN ELECTRICAL AND ELECTRONIC ENGINEERING



How will I study?

You will study full-time or part-time, taking modules examples of which include:

Electrical and electronic principles and practice, mathematics, mechanical science, digital electronics, engineering management, instrumentation and control systems, project management, HV power systems, manufacturing, electronic design

There will also be a work-based module at Level 4 and a work-based project at Level 5.

What are the entry requirements?

National Certificate / Diploma or other full equivalent Level 3 qualification, in a discipline related to Engineering, minimum grade MM, plus a minimum of three passes at GCSE (grades A-C) including Mathematics at grade B or equivalent and English language.

PLUS

Employment in an appropriate workplace setting with your organisation's support for the programme.



Where can this course take me?

On completion of the course you have the option of applying through UCAS for advanced progression on to the BSc (Hons) Electronic at Oxford Brookes. This will depend on the modules you studied and your standard of work. Please contact our admissions team for further information about progression.

You will receive information from academic staff during the programme about choosing modules to enable progression.

You will also be eligible to apply for a variety of roles in the electronics industry.

**FOR MORE INFORMATION ABOUT THIS COURSE PLEASE CONTACT
SOLIHULL COLLEGE**

Telephone: +44 (0)1216 787000

Email: enquiries@solihull.ac.uk

Website: www.solihull.ac.uk

FOUNDATION DEGREE (FdEng) IN MECHANICAL ENGINEERING

How will I study?

You will study full-time or part-time, taking modules examples of which include:

Mechanical principles and engineering science, mathematics, electrical and electronic science, CAD CAM, engineering management, stress analysis and materials, PLCs, computer aided engineering, manufacturing and thermo-fluids

There will also be a work based assessment at Level 4 and a work-based project at Level 5.



What are the entry requirements?

National Certificate / Diploma or other full equivalent Level 3 qualification, in a discipline related to Engineering, minimum grade MM, plus a minimum of three passes at GCSE (grades A-C) including Mathematics at grade B or equivalent and English language.

PLUS

Employment in an appropriate workplace setting with your organisation's support for the programme.

Where can this course take me?

On completion of the course you have the option of applying through UCAS for advanced progression on to the BSc (Hons) or BEng/MEng in Mechanical at Oxford Brookes. This will depend on the modules you studied and your standard of work. Please contact our admissions team for further information about progression.

You will receive information from academic staff during the programme about choosing modules to enable progression. The course provides opportunities with employers in the region such as: Jaguar Land Rover, Aero Engine Controls, Alcoa Manufacturing, BT Openreach, International Automotive Components



**FOR MORE INFORMATION ABOUT THIS COURSE PLEASE CONTACT
SOLIHULL COLLEGE**

Telephone: +44 (0)1216 787000
Email: enquiries@solihull.ac.uk
Website: www.solihull.ac.uk

TOP-UP DEGREE (BSc) IN ELECTRICAL AND ELECTRONIC ENGINEERING

How will I study?

You will study full-time or part-time, taking compulsory modules examples of which include:

Engineering project, advanced analogue and digital electronics, new product development and group design applications.

Optional module examples include: Sensors and data logging, advanced auto electronics and image technology.

What are the entry requirements?

Foundation degree (Engineering) in Electrical and Electronic Engineering from Solihull College. Foundation Degrees from other universities or colleges will be accepted if the qualification is confirmed to be equivalent.

Any other qualification confirmed by the University.



TOP-UP DEGREE (BSc) IN MECHANICAL ENGINEERING



How will I study?

You will study full-time or part-time, taking compulsory modules examples of which include:

Engineering project, sustainable engineering, new product development and group design study.

Optional module examples include: Stress analysis, advanced CAD CAM and motorsport engine technology.

What are the entry requirements?

Foundation Degree (Engineering) in Mechanical Engineering from Solihull College. Foundation Degrees from other universities or colleges will be accepted if the qualification is confirmed to be equivalent.

Any other equivalent qualification confirmed by the University.

**FOR MORE INFORMATION ABOUT THESE COURSES PLEASE CONTACT
SOLIHULL COLLEGE**

Telephone: +44 (0)1216 787000

Email: enquiries@solihull.ac.uk

Website: www.solihull.ac.uk

TOP-UP DEGREE (BSc) IN MOTORSPORT TECHNOLOGY

Accredited for partial IEng (further study)

How will I study?

You will study full-time or part-time, taking modules which include:

Engineering dynamics, motorsport engine technology, motorsport vehicle performance, motorsport group design study, automotive electronics, sustainable engineering (double) and final project (double).



What are the entry requirements?

Foundation degree (Science) in Motorsport Engineering from Bridgwater College.

Foundation Degrees from other universities or colleges will be accepted if the qualification is confirmed to be equivalent.



TOP-UP DEGREE (BSc) IN MOTORSPORT TECHNOLOGY

Accredited for partial IEng (further study)

How will I study?

You will study full-time or part-time, taking modules which include:

Engineering dynamics, motorsport engine technology, motorsport vehicle performance, motorsport group design study, automotive electronics, sustainable engineering (double) and final project (double).



What are the entry requirements?

Foundation degree (Science) in Motorsport Engineering from Brooklands College.

Foundation degrees from other universities or colleges will be accepted if the qualification is confirmed to be equivalent.

Brooklands College



**FOR MORE INFORMATION ABOUT THESE COURSES PLEASE CONTACT
BRIDGWATER COLLEGE**

Telephone: +44 (0)1278 441 234
Email: info@bridgwater.ac.uk
Website: www.bridgwater.ac.uk

BROOKLANDS COLLEGE

Telephone: +44 (0)1932 797 700
Email: info@brooklands.ac.uk
Website: www.brooklands.ac.uk

CONTACT OUR ASSOCIATE COLLEGE PARTNERS

ABINGDON & WITNEY COLLEGE

Telephone:
+44 (0)1235 555 585
Email:
enquiries@abingdon-witney.
ac.uk
Website:
www.abingdon-witney.ac.uk

BANBURY AND BICESTER COLLEGE

Telephone:
+44 (0)1865 550 550
Email:
HE@activatelearning.ac.uk
Website:
www.activatelearning.ac.uk/
HE

BRIDGWATER COLLEGE

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Website:
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SWINDON COLLEGE

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studentservices@swindon.
ac.uk
Website:
www.swindon.ac.uk

All information is correct at the time of going to press. November 2015. Please refer to the University's website for the most up-to-date details.

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OXFORD
BROOKES
UNIVERSITY

