
16-18 COURSE GUIDE 2020/21

STUDY PROGRAMMES & APPRENTICESHIPS

MAKE
IT *Here*

What do YOU want to do...?

Fancy a career in the construction and built environment sector but not sure what you'd like to do? Or if you already have a good idea, but want to see the College and find out more, why not come along to one of our open events.

Open Events

Thursday	17	October	5pm - 7pm	North Street Campus
Saturday	16	November	10am - 1pm	South Bank Campus
Tuesday	11	February	5pm - 7pm	North Street Campus
Saturday	16	May	10am - 1pm	South Bank Campus

To register your interest, please visit our website www.lcb.ac.uk/events and complete the form.



Visit www.lcb.ac.uk or call Student Services on 0113 222 6002

CONTENTS

04	Principal & Student Welcome	32	Civil Engineer
05	Our Campuses	34	Construction Project or Site Manager
06	College Life	36	Electrician
07	Competitions & Awards	38	Football Academy
08	Study Programmes & BTECs	40	Gas Engineer
09	Apprenticeships	42	General Construction Operative
10	How to Apply	43	Heating & Ventilation Engineer (Service & Maintenance)
12	Student Support	44	Heating & Ventilation Engineer (Industrial & Commercial)
14	Maths & English	46	Multi-Skills Operative
16	What Career Will You Choose?	48	Painter & Decorator
18	Getting an Apprenticeship	50	Plasterer
19	Who Could You Work For?	52	Plumber
20	Our College	54	Quantity Surveyor
		56	Refrigeration & Air Conditioning Engineer
	Courses	57	Roof Slater & Tiler
22	Architect	58	Safety, Health & Environment Technician (SHE)
24	Architectural Technologist/Technician	60	Shopfitter
25	Bench Joiner	61	Transport Planning Technician
26	Bricklayer	62	Wall & Floor Tiler
28	Building Services Engineer	64	Wood Machinist
30	Building Surveyor	66	Where to Find Us
31	Carpenter & Joiner		



Welcome

to Leeds College of Building

If you want a successful career in construction, you've come to the right place!

There has never been a better time to join this exciting industry, with so many companies looking for talented people to join their team.

Leeds College of Building (LCB) is unique; we're the only further education college in the UK dedicated to construction & the built environment, making us nationally recognised for delivering courses and apprenticeships in this field.

Some people want to learn a trade that will benefit them for the rest of their life, others want to study for a technician level qualification so they can work as an architect, engineer or project manager and others do both!

Even if you're unsure about a particular trade, our advisors can help you work out the best course and career for you.

Once you've had a look through this guide, if you want to find out more just call 0113 222 6002 for a chat.



Derek Whitehead
Principal, Leeds College of Building

Hi, I'm Hafsa, a Student Governor at LCB, studying Construction & the Built Environment. The College is a great place to study with fantastic opportunities for work and enrichment.

Hafsa Zaheer
Student Governor
Construction & the Built Environment



Follow us on:

 facebook.com/leedscollegebuilding

 [WeAre_LCB](https://www.instagram.com/WeAre_LCB)

 [@WeAre_LCB](https://twitter.com/WeAre_LCB)



OUR CAMPUSES

As the UK's only specialist construction college, we provide first-class facilities, large workshop space and the latest tools and technologies.



COLLEGE LIFE

Make friends

Have fun

Sports & enrichment

Social events & trips

Work experience

Relaxed environment



COMPETITIONS & AWARDS

Local, national & international awards including:

- WorldSkills UK • Carpenters' Craft Competition
- CIBSE Awards



1. Chris Meredith
BTEC Student of the Year 2019

2. Elisha Whyte
Runner-up as Johnstone's Young Painter of the Year

3. Chris Messenger, Roofing Lecturer
'Excellence in Teaching' by Worshipful Company of Tyllers and Bricklayers

4. Joe Turner
Gold in Roofing Slating and Tiling at WorldSkills UK

5. Ruth Watson
New Civil Engineer Apprentice of the Year

6. ICE Quest Scholarship winners

STUDY PROGRAMMES (INCLUDING BTECs)

Our study programmes give you the opportunity to move into lasting employment or further training.

Throughout the course you will be able to take part in enrichment activities as well as valuable site visits and work experience, giving you more opportunities to develop your skills.

Vocational Courses

As part of the study programme you will work towards a qualification in your chosen subject, for example a BTEC or City & Guilds. You will attend college between two and four days a week. You will spend time in the classroom learning theory and the rest of the time will be spent in the workshop.

BTEC Courses

The BTEC Level 3 courses are ideal for potential students who want to study an A Level equivalent course. They last for 2 years and typically consist of 18 core and specialist units related to building services engineering, civil engineering and construction & the built environment.

They are graded pass, merit or distinction, and if you successfully complete your course, you will achieve a triple grade, such as PPP, MMM, DDD, D*D*D*. The BTEC Level 3 is equivalent to 3 A Levels and attracts UCAS points. You can use the UCAS Tariff Calculator on the UCAS website to see how many points the different grades are allocated.

The BTEC Level 2 courses last one year and are a great stepping stone onto our level 3 courses. They contain specialist units related to construction & the built environment.

95% of our BTEC Level 3 students progressed into higher education or full-time employment. The range of potential degrees include architecture, architectural technology, building surveying, civil engineering, construction management, project management and quantity surveying.

Maths & English

Maths and English skills are really important in both life and the construction industry, from working out measurements, prices and quotes, to interpreting site plans and communicating with customers. You will be required to undertake Maths and English as part of your study programme. The qualification you study will depend on your GCSE results.

You will either study Functional Skills or GCSEs. If you are exempt based on your GCSE results, you will still be expected to progress in Maths and English and this will be covered in your course.

Work Experience and Employability Skills

All students on a study programme will have work related learning opportunities each year. This will include:

- Work experience
- Trips and visits to the workplace and factories
- Volunteering
- Community projects

Tutorials

You will have the opportunity to have regular one-to-one sessions with your tutor to discuss your progress and any issues you may have.

You will also have group tutorial sessions where you will learn:

- Personal and social development
- Health and well-being
- Employability skills

'95% of our BTEC Level 3 students progressed into higher education or full-time employment.'

APPRENTICESHIPS

If you are ready to start work and earn a salary, and want to learn and get qualifications, then an apprenticeship could be perfect for you.

Training

Depending on the apprenticeship, you will attend college one day a week, or on a block release basis, for between one and four weeks at a time. You will learn the theory and skills so that you can carry them out in the workplace.

Workplace

When you're not at college, you will spend the rest of your time at work, putting into practice all of the knowledge and skills you have learnt.

Functional Skills / GCSEs

You will be required to undertake Maths and English as part of your apprenticeship. If you are exempt based on your GCSE results, you will still be expected to progress in Maths and English and this will be covered in your course.

Work Based Learning Advisor

You will regularly meet with your advisor to discuss your progress and check how things are going.

Have a Back-Up Plan

While you're looking for an employer, we recommend applying for a study programme so that you have a back-up plan. Once you find an employer, you can transfer over to an apprenticeship.

Finding an Apprenticeship

- Follow the LCB Apprenticeship Twitter account **@LCB_Apprentice**
- Register on the National Apprenticeship Service vacancy website **www.gov.uk/apply-apprenticeship**
- Send a covering letter and CV to local employers. Always follow up with a phone call.
- Speak to relatives, neighbours and friends. They may be able to offer you something and if they can't, they may know someone who can.

BTEC
APPRENTICESHIP
PROVIDER
OF THE YEAR 2018

HOW TO APPLY FOR...

A STUDY PROGRAMME (INCLUDING BTECs)

Follow these steps and make it here!

- 1 Search...** for a course online or in our course guide.
- 2 Apply...** for the course from October 2019 by completing our online application via the College website or your school may use another system (e.g. Start in Leeds).
- 3 Attend an interview...** to find out more about the course you want to study and make sure it's right for you. You may also be invited to an information day.
- 4 Receive a letter...** confirming if you have been offered a place. Your place is subject to receiving satisfactory references from your school or college and obtaining the entry requirements for the course.
- 5 Enrol...** you will be invited into college on one of the enrolment days, usually held in July and August.
- 6 Receive your start date...** either when you enrol or in a letter through the post.

To find out more
about the range of
study programmes
available, call
0113 222 6002

AN APPRENTICESHIP

Follow these steps and soon you could be earning and learning!

- 1 Search...** for a course online or in our course guide.
- 2 Apply...** for the course from October 2019 by completing our online application via the College website or through a system your school suggests. Remember, you must have an employer to apply for an apprenticeship. If you need advice on how to find an employer, please contact our Work Placement Officers on **0113 222 6062/6093**.
- 3 Application acknowledgment...** we will confirm that we have received your application.
- 4 Assessment...** we will let you know whether you need to sit an entrance assessment or submit a copy of your actual / predicted grades.
- 5 Paperwork & employer check...** to ensure everything is in place for when you start. If you pass your assessment and your qualifications meet the entry criteria, we will contact your employer to complete the relevant paperwork and conduct a health and safety assessment. If your employer meets our health and safety requirements you will be offered a place.
- 6 Start your apprenticeship...** we will contact you with your start date and provide you with a copy of your timetable; please note this usually happens at the start of September.

You can apply
for a course at any time;
however, some courses fill up
really quickly so remember to
get your application in early!

To find out more about
apprenticeships, call
0113 222 6023



STUDENT

At Leeds College of Building, we offer you help and support when you need it, leaving you free to concentrate on your work.

Personal Advisor

Whether you're on a study programme or an apprenticeship, you will be allocated an advisor to help you get the most out of your time at college. They can help with:

- Careers information and guidance
- Applications for employment or higher education
- Support with academic challenges
- Help with personal problems and difficulties
- Bursary and Learner Support Fund

Financial Support

Don't worry about the costs associated with attending college. There is a range of financial support available including:

- Half-fare bus pass
- Bursary Fund
- Free meals
- Discounts from local suppliers for stationery, protective clothing and drawing equipment

SUPPORT

Inclusive Learning Service (ILS)

The college works hard to ensure everyone has the support they need to learn, achieve and enjoy college life.

The Inclusive Learning Service Team are committed to working with students to help them overcome any barriers to learning they might face.

You can develop your own Individual Support Plan and find ways of working that are unique to you and to meet your needs.

We can help you with the following:

- Assistive equipment and technology
- Study skills support
- Strategies for making the most of studying with Special Educational Needs or Disabilities
- Developing social skills and preparing for adulthood
- Specialist support

If you think you might need support, you can have a friendly and informal chat with the ILS Team. They can be contacted on **0113 222 6048**.

Equality and Inclusion

We recognise that there are certain groups of people who may face particular educational and vocational disadvantages. The College celebrates and values the diversity brought by students and staff from a variety of backgrounds. We encourage all students to acquire respect for democracy and the democratic processes, respect for other faiths and beliefs, respect for individual liberty and a respect for the basis on which the law is made and applied in modern Britain.

Safeguarding

We are committed to ensuring Leeds College of Building is a safe place to study and we have policies and procedures in place to make that happen. The College's Safeguarding Team are available to support you with any concerns; they will listen and advise you appropriately. You can read the full Safeguarding policy on the College website.

Visit www.lcb.ac.uk/the-college/safeguarding for more information.

MATHS AND ENGLISH

BUILDING THE FOUNDATION OF YOUR CAREER

**WHATEVER COURSE YOU CHOOSE,
YOU WILL CONTINUE TO STUDY MATHS AND ENGLISH.**

Maths and English skills are really important in both life and the construction industry, from working out measurements, prices and quotes, to interpreting site plans and communicating with customers. You will be required to undertake Maths and English as part of your study programme.

The qualification you will study will be GCSE or where appropriate Functional Skills.

If you are exempt based on your GCSE results, you will still be expected to progress in Maths and English and this will be covered in your course.



WHAT CAREER WILL YOU CHOOSE?

There are more than 3 million people working in construction roles, making it one of the biggest and most diverse sectors in the country.

The industry is facing a huge skills shortage which means there has never been a better time to join, with so many companies looking for talented people to join their team.

Some people want to learn a trade that will benefit them for the rest of their life, others want to study for a professional level qualification so they can work as an architect, engineer or project manager and others do both!

There are so many roles in the industry, and the majority you can study right here at LCB!



ARCHITECT ARCHITECTURAL TECHNOLOGIST
BENCH JOINER BRICKLAYER
BUILDING CONTROL OFFICER
BUILDING SERVICES ENGINEER BUILDING SURVEYOR
CARPENTER & JOINER/SITE CARPENTER
CIVIL ENGINEER CONSTRUCTION MANAGER (PROJECT OR SITE)
DIGITAL ENGINEERING TECHNICIAN
ELECTRICIAN FACILITIES MANAGER
GAS ENGINEER GENERAL
CONSTRUCTION OPERATIVE
GEOSPATIAL SURVEY TECHNICIAN
HEATING & VENTILATION ENGINEER (INDUSTRIAL & COMMERCIAL)
HEATING & VENTILATION ENGINEER (SERVICE & MAINTENANCE)
MULTI-SKILLS OPERATIVE PAINTER & DECORATOR
PLASTERER PLUMBER
QUANTITY SURVEYOR
REFRIGERATION & AIR CONDITIONING ENGINEER
ROOF SLATER & TILER
SAFETY, HEALTH & ENVIRONMENT TECHNICIAN (SHE)
SHOPFITTER TRANSPORT PLANNER
WALL & FLOOR TILER WOOD MACHINIST

GETTING AN APPRENTICESHIP

Finding an apprenticeship is the same as finding a job!

DO YOUR RESEARCH!

What do you enjoy doing? Are there any particular jobs in demand? Attend careers fairs at your school and speak to your careers advisor.

LOOK ONLINE

Register with the National Apprenticeship Vacancy Matching Service, www.gov.uk/apply-apprenticeship.

GET SOCIAL

Follow the LCB Apprenticeship Twitter account @LCB_Apprentice and construction companies for vacancy opportunities.

NETWORKING

Speak to relatives, friends or neighbours, they may be able to offer you something or know someone who can!

WORK EXPERIENCE

Try finding work experience. Many students are offered an apprenticeship after this.

PERSEVERE

Keep looking! You never know when the right job will present itself!

HAVE A BACK-UP PLAN!

You can complete a study programme application and begin studying whilst looking for an employer. We'll also help you find work experience. You can then transfer to an apprenticeship once you've found an employer.

GOOD LUCK WITH YOUR SEARCH!

Get in touch with the Apprenticeship Team:
T: 0113 222 6023
E: wbl@lcb.ac.uk



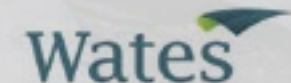
WHO COULD YOU WORK FOR?

We currently have a phenomenal **2,500 apprentices** and we work with over **500 companies** across the UK. Here are just a few of them...

ATKINS



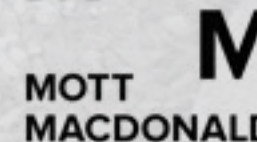
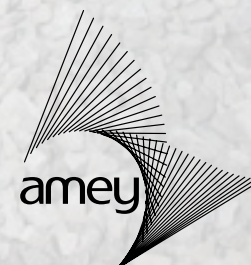
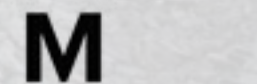
ARUP



AECOM



CITU



JACOBS

Our College



BAM Nuttall apprenticeship day

"[My work experience on site] was an amazing experience and I learnt lots of new things. I started to think about my future and what I would like to do when I complete my BTEC Level 3 course."

"In work [as an Apprentice], I supported the Project Manager on the second largest highway-condition survey project and created a library of safety and values moments, to ensure that every meeting began by promoting safety, something which is becoming best practice in the construction industry."



Wayne Chappelow, Erneliana Daniel and Jon Kenny

"The shortlist seemed very competitive, so I was shocked to have won! If I can help women in other industries realise that they can have a job they can enjoy in STEM careers, I would feel like I have achieved something great."

Jemma Gillman, Female Apprentice of the Year at the National Women in Rail Awards 2019

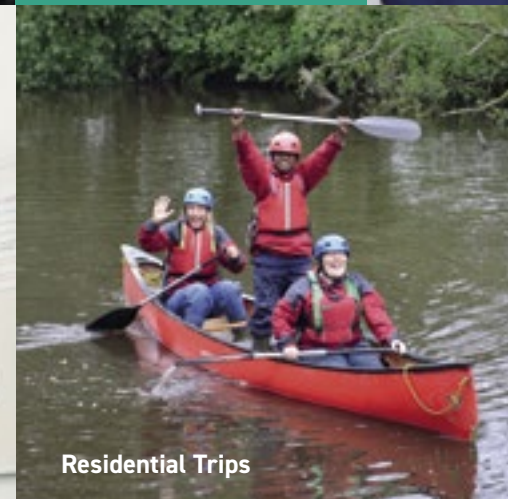


Healthy College Week
Jamie Jones Buchanan

"I can't tell you how much I have got from the Bell Group partnership with the College. I now have qualifications, hands-on experience, and a job as a result of my apprenticeship. I think it's great that other students can now really benefit from the new Academy and hopefully fill the many vacancies in industry."



Dulux Academy launches at the College



Residential Trips

"I love my job as a quantity surveyor, and the BTEC course that I'm studying at Leeds College of Building is really helping me to progress in my career."



Transport Planning student field trip

"From my [New Civil Engineer] application I was one of 5 in the UK to be shortlisted."

The second stage of judging was doing a presentation in front of 15 judges in London about technology and the industry. On 30 November, all finalists were invited to the award ceremony where they announced the winner. I couldn't believe it when they read my name out!"

New Civil Engineer Apprentice of the Year
Ruth Watson

ARCHITECT

What's it all about?

Architects design buildings that meet the needs of the client in a creative and environmentally responsive way; they take responsibility for leading the project from start to finish.

What would I learn at College?

- The underpinning mathematics and science related to construction
- The design of construction and how to communicate your design in drawings and specifications
- How to carry out site surveys to produce drawings and sections
- How to interpret design information and ensure the construction works are positioned correctly
- How to carry out surveys to assess the conditions of buildings
- How to calculate the cost of construction works and maintain the progress against the budget

What are my study options?

You can apply for a BTEC Extended Diploma in Construction & the Built Environment.

The BTEC Extended Diploma is equivalent to 3 A Levels.

How long is the course?

BTEC Study Programme - 2 years

When would I start?

September 2020

What courses could I progress onto?

A degree at university.

How do I apply?

See page 10 for details.

Further information...

For information on our study programmes see page 8.

For entry requirements, please refer to the College website.

Maths & English

No matter what level you are currently working at, you will continue learning Maths and English throughout your course.



ARCHITECTURAL TECHNOLOGIST/TECHNICIAN

What's it all about?

Architectural technologists/technicians are proficient in construction technology and will attend site meetings. They often work in a supportive role with other construction professionals.

What would I learn at College?

- The underpinning mathematics and science related to construction
- The role of design in construction and how to communicate your design in drawings and specifications
- How to carry out site surveys to produce drawings and sections
- How to interpret design information and ensure the construction works are undertaken correctly
- How to carry out surveys to assess the conditions of buildings
- How to calculate the cost of construction works and maintain the progress against the budget

What are my study options?

You can apply for a BTEC Level 3 Subsidiary or Extended Diploma in Construction & the Built Environment.

You could also apply for the Level 3 Built Environment Design Apprenticeship.

The BTEC Extended Diploma is equivalent to 3 A Levels.

How long is the course?

BTEC Study Programme - 2 years
Apprenticeship - 2 to 3 years depending on experience

When would I start?

September 2020

What courses could I progress onto?

You could progress into higher education at the College including a Higher National Certificate/Higher National Diploma, higher apprenticeship or a degree at university.

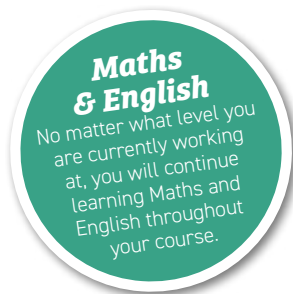
How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.



BENCH JOINER

What's it all about?

Bench joiners are based in a workshop and produce timber products such as doors, window frames, stairs and cabinets. They use traditional woodworking tools as well as specialised power or hand tools for cutting, shaping, smoothing and finishing.

What would I learn at College?

- How to set out jobs full size and create cutting lists
- How to mark out and cut traditional joints
- How to manufacture various joinery components e.g. window frames, doors and staircases in softwood and hardwood
- How to calculate and cost materials
- How to set up and use a range of hand and power tools and woodworking machinery

What are my study options?

You can study a Level 2 or Level 3 Bench Joinery Apprenticeship.

How long is the course?

Apprenticeship - Level 2 - 18 - 24 months
- Level 3 - 12 - 15 months

When would I start?

September 2020

What courses could I progress onto?

You could progress from a Level 2 to a Level 3 qualification. There is also the opportunity to progress into higher education at the College.

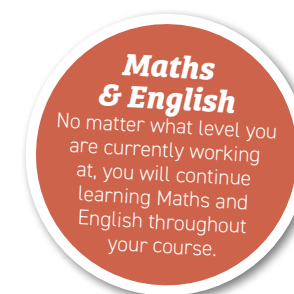
How do I apply?

See page 11 for details. If you are unable to find an employer for an apprenticeship, you can apply for a Carpentry & Joinery Study Programme and switch over at any point when you do find one.

Further information...

For information about our apprenticeships see page 9.

For entry requirements, please refer to the College website.





BRICKLAYER

What's it all about?

Bricklayers build and repair structures, walls, chimneys, walkways and foundations using various types of blocks and brick. Their work can range from a house extension to a major stadium project!

What would I learn at College?

- How to use bricklaying tools and equipment
- How to set out basic building work
- How to build simple brick/block walls
- How to build solid walls
- How to build cavity walls
- How to build using modern construction methods e.g. timber frame cladding

What are my study options?

You can apply for a Bricklaying study programme or a Bricklaying apprenticeship.

How long is the course?

- Study Programme
- Level 1 - 1 year
 - Level 2 - 1 year
 - Level 3 - 13 months
- Apprenticeship
- Level 2 - 2 years
 - Level 3 - 13 months

When would I start?

September 2020

What courses could I progress onto?

You could progress from a Level 1 to a Level 3 qualification. There is also the opportunity to progress into higher education at the College.

How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.

Maths & English

No matter what level you are currently working at, you will continue learning Maths and English throughout your course.

BUILDING SERVICES ENGINEER

What's it all about?

Building services engineers are responsible for the design, specification and management of systems in new and existing buildings creating a safe and comfortable environment. This includes heating, lighting, water supplies, plumbing, control systems & fire, security and alarm systems.

What would I learn at College?

- The underpinning mathematics and science related to construction and building services
- How to design systems such as plumbing, electrical heating and air conditioning
- How to design control systems to ensure the efficient and environmentally sustainable provision of services

What are my study options?

You can apply for a BTEC Level 3 Subsidiary or Extended Diploma in Building Services Engineering.

You could also apply for the Level 3 Building Services Design Technician Apprenticeship.

The BTEC Extended Diploma is equivalent to 3 A Levels.

How long is the course?

BTEC Study Programme - 2 years
Apprenticeship - 2 to 4 years depending on experience

When would I start?

September 2020

What courses could I progress onto?

You could progress into higher education at the College including a Higher National Certificate/ Higher National Diploma, higher apprenticeship or a degree at university.

How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.

Maths & English
No matter what level you are currently working at, you will continue learning Maths and English throughout your course.



BUILDING SURVEYOR

What's it all about?

Building surveyors offer professional advice on all factors affecting existing buildings, such as building defects, alterations, renovations and extensions. They work mostly on site to monitor the performance of structures and come up with ways to improve them or correct flaws in their design.

What would I learn at College?

- The underpinning mathematics and science related to construction
- The role of design in construction and how to communicate your design in drawings and specifications
- How to carry out site surveys to produce drawings and sections
- How to interpret design information and ensure the construction works are positioned correctly
- How to carry out surveys to assess the conditions of buildings
- How to calculate the cost of construction works and maintain the progress against the budget

What are my study options?

You can apply for a BTEC Level 3 Subsidiary or Extended Diploma in Construction & the Built Environment.

You could also apply for the Level 3 Construction Operations Apprenticeship.

The BTEC Extended Diploma is equivalent to 3 A Levels.

How long is the course?

BTEC Study Programme - 2 years
Apprenticeship - 2 to 3 years depending on experience

When would I start?

September 2020

What courses could I progress onto?

You could progress into higher education at the College including a Higher National Certificate/Higher National Diploma, higher apprenticeship or a degree at university.

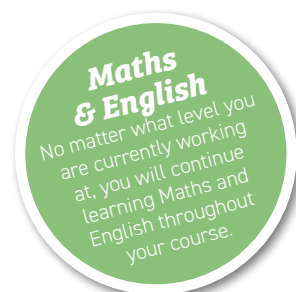
How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.



CARPENTER & JOINER

What's it all about?

Carpenters work with wood on building sites or in customers' homes. They manufacture, fit and repair doors, window frames, stairs, floorboards, cupboards, traditional cut roofs, roof trusses and partitions. They use traditional woodworking tools as well as specialised power or hand tools for cutting, shaping, smoothing and finishing.

What would I learn at College?

- How to create drawings and cutting lists
- How to mark out and cut traditional joints
- How to manufacture various carpentry components e.g. windows, doors and staircases
- How to fix various carpentry components e.g. floorboards, cupboards and roof trusses
- How to calculate and cost materials
- How to set up and use a range of hand and power tools

What are my study options?

You can apply for a Carpentry & Joinery Study Programme or a Carpentry & Joinery Apprenticeship.

How long is the course?

Study Programme - Level 1 - 1 year
- Level 2 - 1 year
- Level 3 - 1 year

Apprenticeship - Level 2 - 18 - 24 months
- Level 3 - 12 - 15 months

When would I start?

September 2020

What courses could I progress onto?

You could progress from a Level 1 to a Level 3 qualification. There is also the opportunity to progress into higher education at the College.

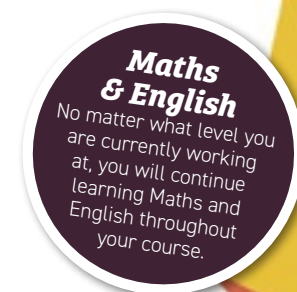
How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.



CIVIL ENGINEER

What's it all about?

Civil engineers are responsible for the design, construction and maintenance of infrastructure, including projects such as bridges, roads, railways, airports, canals, dams and power stations. Civil engineers can either be consulting engineers who advise on projects and design them or contractors who construct the structures.

What would I learn at College?

- The underpinning mathematics and science related to construction
- The design of construction and how to communicate your design in drawings and specifications
- How to carry out site surveys to produce drawings and sections
- How to carry out surveys to assess the conditions of buildings
- How to calculate the cost of construction works and maintain the progress against the budget
- How to take design information from drawings and mark out positions and heights on the ground
- The principles of highway construction and procedures for maintenance of roads

What are my study options?

You can apply for a BTEC Level 3 Subsidiary or Extended Diploma in Civil Engineering.

You could also apply for the Level 3 Civil Engineering Apprenticeship.

The BTEC Extended Diploma is equivalent to 3 A Levels.

How long is the course?

Study Programme - 2 years
Apprenticeship - 3 years

When would I start?

September 2020

What courses could I progress onto?

You could progress into higher education at the College including a Higher National Certificate/ Higher National Diploma, higher apprenticeship or a degree at university.

How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.

Maths & English

No matter what level you are currently working at, you will continue learning Maths and English throughout your course.





CONSTRUCTION PROJECT OR SITE MANAGER

What's it all about?

Project managers plan and manage all kinds of construction projects, and make sure they are completed on time, meet the needs of the client and stay within budget. Site managers are responsible for ensuring the safe and efficient management of the construction site.

What would I learn at College?

- The underpinning mathematics and science related to construction
- The role of design in construction and how to communicate your design in drawings and specifications
- How to carry out site surveys to produce drawings and sections
- How to interpret design information and ensure the construction works are positioned correctly
- How to carry out surveys to assess the conditions of buildings
- How to calculate the cost of construction works and maintain the progress against the budget

What are my study options?

You can apply for a BTEC Level 3 Subsidiary or Extended Diploma in Construction & the Built Environment.

You could also apply for the Level 3 Construction Contracting Operations Apprenticeship.

The BTEC Extended Diploma is equivalent to 3 A Levels.

How long is the course?

BTEC Study Programme - 2 years
Apprenticeship - 2 to 3 years depending on experience

When would I start?

September 2020

What courses could I progress onto?

You could progress into higher education at the College including a Higher National Certificate/ Higher National Diploma, higher apprenticeship or a degree at university.

How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.

Maths & English

No matter what level you are currently working at, you will continue learning Maths and English throughout your course.



ELECTRICIAN

What's it all about?

Electricians fit, test and repair electrical installations found in homes and businesses. This could include fitting consumer units and circuit breakers, connecting wiring to sockets, switches and light fittings and installing fire alarms. Installation electricians follow architects' or contractors' plans to install new electrical equipment.

What would I learn at College?

- How to install cables and equipment including sockets and switches for electrical installations
- How to design electrical installations selecting the correct size and type of cable and equipment
- How to test and commission electrical installations to ensure they work and meet the health and safety requirements
- The health and safety legislation relating to the installation and maintenance of electrical systems
- The science behind electricity e.g. volts, current and resistance
- The environmental impact of electrical installations

What are my study options?

You can apply for an electrical study programme or a Level 3 Electrical Installation Apprenticeship.

Please note the study programme is training only. To become a fully qualified electrician you will need to progress onto an apprenticeship.

What are the entry requirements?

Students who experience difficulty in distinguishing colours will be subject to a colour vision examination before enrolment onto this course.

How long is the course?

- Study Programme - Level 1 - 1 year
- Level 2 - 1 year
- Level 3 - 1 year

Apprenticeship - Level 3 - 42 months

When would I start?

September 2020

What courses could I progress onto?

You could progress from a Level 1 to a Level 3 qualification. There is also the opportunity to progress into higher education at the College.

How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For full entry requirements please refer to the College website.

Maths & English

No matter what level you are currently working at, you will continue learning Maths and English throughout your course.

FOOTBALL ACADEMY

What's it all about?

Our Football Academy is for students who want to combine studying a construction course with playing, training and learning how to coach football. Upon successful completion students will receive the 1st4sport Level 1 Award in Football Coaching.

What would I learn at College?

There are two course options available, a Multi-Skills Study Programme or the BTEC Level 2 in Construction & the Built Environment. You can read more about these courses on our website. You can search for Football Academy Multi-Skills or Football Academy BTEC Level 2.

The 1st4sport Level 1 Award in Football Coaching covers:

- Player and coach development
- Laws of the game
- Various coaching skills including passing, shooting, dribbling and attacking
- Emergency first aid
- FA safeguarding

What are my study options?

When applying you will need to select one of the following options:

- Football Academy Multi-Skills
- Football Academy BTEC Level 2

How long is the course?

BTEC Study Programme - 2 years
Multi-Skills Study Programme - 1 year

When would I start?

September 2020

What courses could I progress onto?

This will depend on what course you select. You can progress from a Level 1 to a Level 2, and from a Level 2 to a Level 3. There is also the opportunity to progress into higher education at the College or at university.

How do I apply?

See page 10 for details.

Further information...

For information on our study programmes see page 8.

For entry requirements please refer to the College website.





GAS ENGINEER

What's it all about?

Gas engineers specialise in the installation and repair of gas appliances including central heating boilers and systems, cookers, fire and water heaters. The work is safety critical and you will need to learn how to implement statutory requirements such as the gas safety regulations.

What would I learn at College?

- How to install, maintain and service gas appliances such as boilers and fires
- How gas burns safely and how to identify unsafe situations
- How to install pipework for central heating hot and cold water systems
- How to implement gas safety regulations and requirements
- How to install and test flues for new and existing gas appliances
- How to check and calculate air vent requirements

What are my study options?

You can apply for the Level 3 Gas Engineering Apprenticeship, which includes the ACS qualification.

How long is the course?

Apprenticeship - Level 3 - 2 years

When would I start?

September 2020

What courses could I progress onto?

You could progress into higher education at the College.

How do I apply?

See page 11 for details.

Further information...

For information on our apprenticeships see page 9.

For entry requirements, please refer to the College website.

Maths & English

No matter what level you are currently working at, you will continue learning Maths and English throughout your course.

GENERAL CONSTRUCTION OPERATIVE

What's it all about?

General construction operatives work on site and complete a number of building tasks including concrete work, signage, lighting, bricklaying, drainage and general labouring.

What would I learn at College?

- How to use various hand tools and cutting equipment
- How to prepare and place concrete
- How to prepare and lay finishing floor screeds
- How to mix various building materials by hand and machine
- How to lay domestic drainage
- How to set up signage, lighting and guarding when working on site e.g. path or road

What are my study options?

You can apply for the Level 2 General Construction Operations Apprenticeship.

How long is the course?

Apprenticeship - Level 2 - 2 years

When would I start?

September 2020

What courses could I progress onto?

You could progress into higher education at the College.

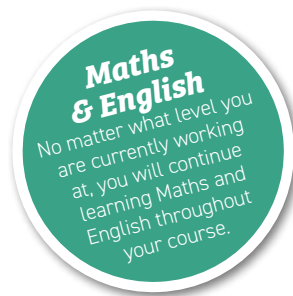
How do I apply?

See page 11 for details.

Further information...

For information on our apprenticeships see page 9.

For entry requirements, please refer to the College website.



HEATING & VENTILATION ENGINEER [SERVICE & MAINTENANCE]

What's it all about?

Service & maintenance engineers monitor, repair and maintain all of the building services equipment, heating, ventilation, lighting, air conditioning and refrigeration systems in occupied buildings such as offices, schools, hospitals, factories or shops.

What would I learn at College?

- How to install basic hot and cold heating, chilled water and fuel systems e.g. gas and oil
- How to maintain the above systems including the replacement of parts and checking for faults
- How to maintain various appliances and equipment used in the heating and ventilation industry e.g. boilers, fan coil units and air handling units
- The core gas safety training in preparation for the ACS commercial assessment to enable you to be Gas Safe registered
- How to work with electrical motors and understand electrical circuits
- How to find and rectify faults within the systems

What are my study options?

You can apply for the Level 3 Building Services Engineering Service & Maintenance Engineer Apprenticeship.

How long is the course?

Apprenticeship - Level 3 - 4 years

When would I start?

September 2020

What courses could I progress onto?

You could progress into higher education at the College.

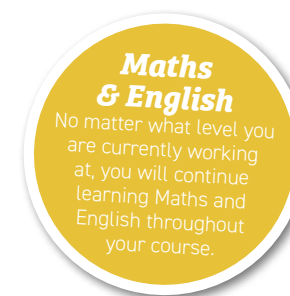
How do I apply?

See page 11 for details.

Further information...

For information on our apprenticeships see page 9.

For entry requirements, please refer to the College website.



HEATING & VENTILATION ENGINEER [INDUSTRIAL & COMMERCIAL]

What's it all about?

Heating & ventilation engineers design, install and commission large heating and air conditioning systems in buildings including offices, hospitals, schools, shopping centres and leisure complexes in order to provide a comfortable environment for those who use the buildings.

What would I learn at College?

- How to install hot and cold water systems and various types of heating systems
- How to install pipework e.g. steel, copper and plastic using a variety of jointing methods including welding, crimping, soldering and electrofusion
- How to test and commission the systems to ensure they hold the correct fluids and operate properly
- How to weld pipelines using arc welding methods
- How to design basic heating and ventilation installations

What are my study options?

You can apply for the Level 2 Building Services Engineering Installer Apprenticeship or the Level 3 Building Services Engineering Craftsperson Apprenticeship.

How long is the course?

Apprenticeship - Level 2 - 2 years
- Level 3 - 2 years

When would I start?

September 2020

What courses could I progress onto?

You could progress from a Level 2 to a Level 3 qualification. There is also the opportunity to progress into higher education at the College.

How do I apply?

See page 11 for details.

Further information...

For information on our apprenticeships see page 9.

For entry requirements, please refer to the College website.

Maths & English

No matter what level you are currently working at, you will continue learning Maths and English throughout your course.





MULTI-SKILLS OPERATIVE

What's it all about?

Multi-skills operatives work across various trades. They are responsible for maintaining and updating buildings and their work is diverse and challenging.

What would I learn at College?

You will learn the basic skills essential for construction including:

- Bricklaying
- Carpentry & joinery
- Painting & decorating
- Plastering
- Wall & floor tiling

What are my study options?

You can apply for the Multi-Skills Study Programme.

How long is the course?

Study Programme - Level 1 - 1 year

When would I start?

September 2020

What courses could I progress onto?

You could progress onto a Level 1 trade specific course, for example brickwork or plastering, or an apprenticeship.

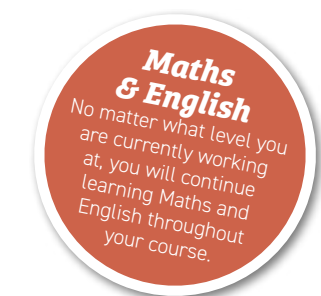
How do I apply?

See page 10 for details.

Further information...

For information on our study programmes see page 8.

For entry requirements, please refer to the College website.



Painter & Decorator

What's it all about?

Painter & decorators use a range of materials including paint and wallpaper to enhance and protect surfaces. These surfaces could include plaster, metal and wood. They work on a variety of domestic and industrial projects ranging from re-decorating homes to applying heavy-duty finishes to large structures like bridges.

What would I learn at College?

- How to use painting and decorating tools and equipment
- How to apply various oil/water-based paints to different surfaces including windows, doors, ceilings and walls
- How to use different types of access equipment safely e.g. ladders and towers
- How to prepare different backgrounds ready to apply decorative finishing including wallpaper, paint and decorative effects
- How to apply various types of wall coverings including free match, patterned papers and embossed
- How to correctly apply decorative finishes such as marbling and graining, sponge stippling, stencilling and broken colour

What are my study options?

You can apply for the Painting & Decorating Study Programme or the Painting & Decorating Apprenticeship.

How long is the course?

Study Programme - Level 1 - 1 year
- Level 2 - 1 year
- Level 3 - 1 year

Apprenticeship - Level 2 - 2 years
- Level 3 - 1 year

When would I start?

September 2020

What courses could I progress onto?

You could progress from a Level 1 to a Level 3 qualification. There is also the opportunity to progress into higher education at the College.

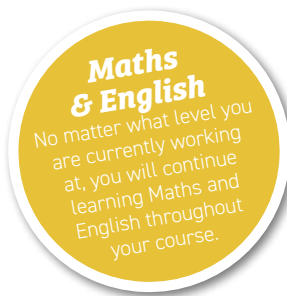
How do I apply?

See pages 10 - 11.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.





PLASTERER

What's it all about?

Plasterers mix and apply plaster to walls and ceilings of buildings to provide a smooth or decorative finish. A plasterer will also produce ornamental plasterwork such as ceiling roses, cornices and columns.

What would I learn at College?

- How to use plastering tools and equipment e.g. trowel and hand board
- How to prepare walls and ceilings prior to applying plaster
- How to apply sand/cement and lightweight plaster to various backgrounds
- How to create and fix fibrous plasterwork such as dado rails and ceiling centres
- How to apply external render and floor screed
- The various types of plasterboard that are available and how to prepare them for internal surfaces

What are my study options?

You can apply for the Plastering Study Programme or the Plastering Apprenticeship.

How long is the course?

Study Programme - Level 1 - 1 year
- Level 2 - 1 year
- Level 3 - 1 year

Apprenticeship - Level 2 - 2 years
- Level 3 - 1 year

When would I start?

September 2020

What courses could I progress onto?

You could progress from a Level 2 to a Level 3 qualification. There is also the opportunity to progress into higher education at the College.

How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.

Maths & English

No matter what level you are currently working at, you will continue learning Maths and English throughout your course.

PLUMBER

What's it all about?

Plumbers install, service and repair water supply, sanitation and heating systems. They also install bathroom suites including showers, toilets and basins.

What would I learn at College?

- How to cut, bend and solder copper pipe ready for installation
- How to cut and join plastic pipe ready for installation
- How to prepare the workplace/site ready for work to be carried out
- The health and safety legislation relating to the installation and maintenance of electrical and plumbing systems
- The science behind plumbing e.g. heat transfers, power, forces and pressure
- How to install bathrooms, heating systems, and waste sanitation systems

What are my study options?

You can apply for the Plumbing Study Programme or the Level 3 Plumbing & Domestic Heating Technician Apprenticeship.

How long is the course?

Study Programme - Level 1 - 1 year
- Level 2 - 1 year
- Level 3 - 1 year

Apprenticeship - Level 3 - 4 years

When would I start?

September 2020

What courses could I progress onto?

You could progress from an entry Level 3 up to a Level 3 qualification. There is also the opportunity to progress into higher education at the College.

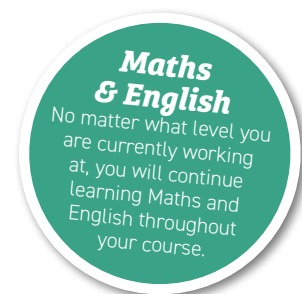
How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.





QUANTITY SURVEYOR

What's it all about?

Quantity surveyors are responsible for the monitoring of costs and contracts together with the evaluation of work on a construction project and may work for clients or contractors.

What would I learn at College?

- The underpinning mathematics and science related to construction
- The design of construction and how to communicate your design in drawings and specifications
- How to carry out site surveys to produce drawings and sections
- How to interpret design information and ensure the construction works are positioned correctly
- How to carry out surveys to assess the conditions of buildings
- How to calculate the cost of construction work and maintain the progress against the budget
- Measuring and estimating of construction work

What are my study options?

You can apply for a study programme, the BTEC Level 3 Subsidiary or Extended Diploma in Construction & the Built Environment.

You could also apply for the Level 3 Surveying Property & Maintenance Apprenticeship or the Level 3 Construction Contracting Operations Apprenticeship.

The BTEC Extended Diploma is equivalent to 3 A Levels.

How long is the course?

Study Programme - 2 years
Apprenticeship - 2 to 3 years depending on experience

When would I start?

September 2020

What courses could I progress onto?

You could progress into higher education at the College including a Higher National Certificate/ Higher National Diploma, higher apprenticeship or a degree at university.

How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.

Maths & English

No matter what level you are currently working at, you will continue learning Maths and English throughout your course.

REFRIGERATION & AIR CONDITIONING ENGINEER

What's it all about?

Refrigeration and air conditioning (RAC) engineers could work on one of two broad areas. Refrigeration engineers design, install and maintain cooling systems in places like supermarkets, restaurants, hospitals, food processing plants and factories. Air conditioning engineers install and service the systems that control air quality, temperature and humidity inside offices, schools, leisure complexes and other modern buildings.

What would I learn at College?

- How to work safely in the building services sector
- How to joint and bend different types of pipework used in RAC systems
- How to install, test and maintain air conditioning and refrigeration systems
- How to handle fluorinated gases and ozone-depleting substances
- How to carry out electrical work on RAC systems and components

What are my study options?

You can apply for the Level 3 Refrigeration & Air Conditioning Engineer Apprenticeship.

How long is the course?

Apprenticeship - Level 3 - 3 years

When would I start?

September 2020

What courses could I progress onto?

You could progress into higher education at the College.

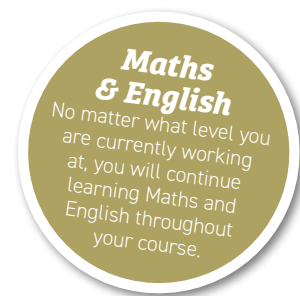
How do I apply?

See page 11 for details.

Further information...

For information on our apprenticeships see page 9.

For entry requirements, please refer to the College website.



ROOF SLATER & TILER

What's it all about?

Roof slaters & tilers work on new roofs and repair and refurbish old roofs. This can be done using a variety of methods, from large format concrete tiles with a covering of 10 tiles per m² to small formats with a covering of 60 tiles per m². The work can range from a small repair to a house extension.

What would I learn at College?

- How to cut and fix backgrounds onto a roof such as felt, battens and lead work
- How to cut and fix large format tiles (single-lap)
- How to cut and fix small profile tiles (double-lap)
- How to cut and fix slates
- How to cut and fix ridge tiles with mortar and mechanically dry fix
- How to use roofing tools e.g. trowel

What are my study options?

You can apply for the Roof Slating & Tiling Apprenticeship.

How long is the course?

Apprenticeship - Level 2 - 2 years
- Level 3 - 13 months

When would I start?

September 2020

What courses could I progress onto?

You could progress from a Level 2 to a Level 3 qualification. There is also the opportunity to progress into higher education at the College.

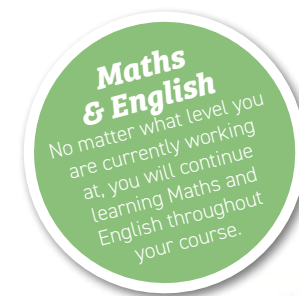
How do I apply?

See page 11 for details.

Further information...

For information on our apprenticeships see page 9.

For entry requirements, please refer to the College website.



SAFETY, HEALTH & ENVIRONMENT TECHNICIAN (SHE)

What's it all about?

SHE Technicians advise on statutory health, safety and environmental requirements and assist in ensuring the legal and company SHE requirements are implemented. They will assist in developing, reviewing and checking on the implementation of safe systems of work, deliver training (e.g. toolbox talks & inductions), investigate incidents, analyse data and present findings to the management team.

What would I learn at College?

- How a SHE management system works, the range of standards with which a typical HSE professional would be involved
- The statutory health safety and environmental legislation and sources of associated guidance and information applicable to their working environment
- How people think and why they make decisions which can lead to risk
- How to plan for safety, health or environmental emergencies – e.g. accidents, exposure to hazardous substances, fire, and pollution
- Appropriate methods for identifying, evaluating and controlling hazards relevant to their workplace

What are my study options?

You can apply for the Level 3 Safety, Health & Environment Technician Apprenticeship.

How long is the course?

Apprenticeship - Level 3 - 2 years

When would I start?

September 2020

What courses could I progress onto?

You could progress into higher education at the College including a Higher National Certificate/Higher National Diploma, higher apprenticeship or a degree at university.

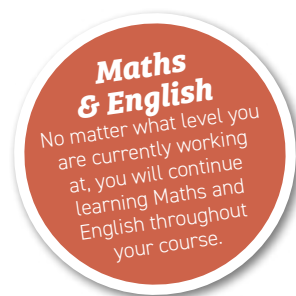
How do I apply?

See page 11 for details.

Further information...

For information on our apprenticeships see page 9.

For entry requirements, please refer to the College website.



SHOPFITTER

What's it all about?

Shopfitters make and install the fixtures and fittings in everything from offices and restaurants to shops and bars. They also build and refurbish shop fronts and doorways. They work closely with other tradespeople such as tilers, electricians and plumbers.

What would I learn at College?

- How to set out jobs full size and create cutting lists
- How to mark out and cut traditional joints
- How to manufacture various joinery components e.g. windows, doors and staircases in softwood and hardwood
- How to calculate and cost materials
- How to set up and use a range of hand and power tools and woodworking machinery

What are my study options?

You can apply for the Shopfitting Apprenticeship.

How long is the course?

Apprenticeship - Level 2 – 2 years
- Level 3 – 13 months

When would I start?

September 2020

What courses could I progress onto?

You could progress from a Level 2 to a Level 3 qualification. There is also the opportunity to progress into higher education at the College.

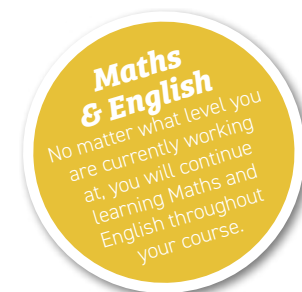
How do I apply?

See page 11 for details. If you are unable to find an employer for an apprenticeship, you can apply for a Carpentry & Joinery Study Programme and switch over at any point when you do find one.

Further information...

For information on our apprenticeships see page 9.

For entry requirements, please refer to the College website.



TRANSPORT PLANNING TECHNICIAN

What's it all about?

Transport planning technicians solve problems like traffic jams and find innovative and sustainable solutions to transport needs locally, nationally and internationally.

What would I learn at College?

- The policy, legal and regulatory context within which transport planners work
- The collection and analysis of data, including new data obtained through transport and traffic fieldwork
- Transport and traffic models, forecasting and the principal analytical methods and software packages in general use
- The assessment of transport and traffic policies, plans and projects

What are my study options?

You can apply for the Level 3 Transport Planning Advanced Apprenticeship.

How long is the course?

Apprenticeship - 3 years (including an end-part assessment)

When would I start?

October 2020

What courses could I progress onto?

You could progress into a relevant degree or Higher Apprenticeship.

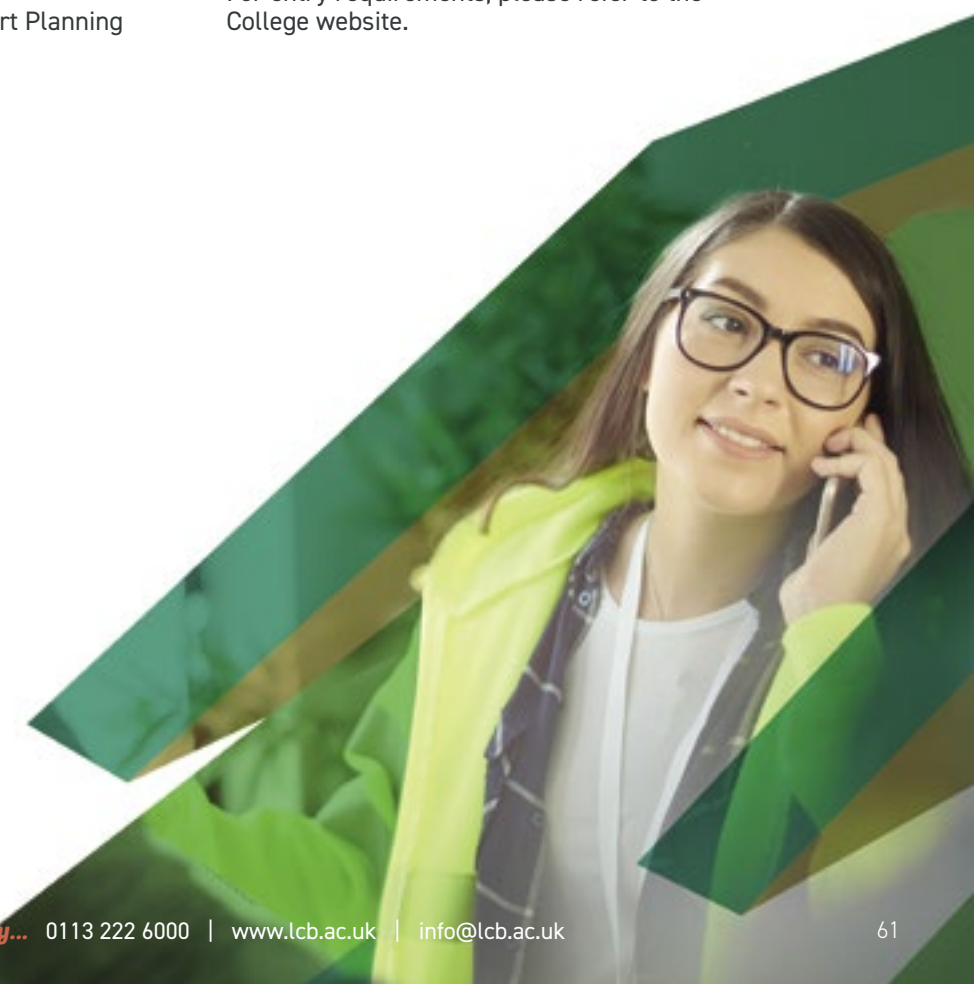
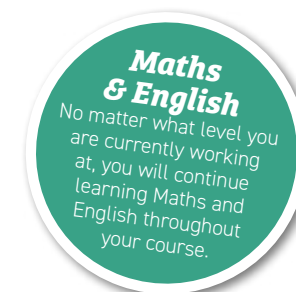
How do I apply?

See page 11 for details.

Further information...

For information on our apprenticeships see page 9.

For entry requirements, please refer to the College website.



WALL & FLOOR TILER

What's it all about?

Wall & floor tilers fix tiles on the walls and lay tiles on the floors of buildings including hospitals, shopping centres, swimming pools, industrial premises or bathrooms and kitchens. Tilers usually work with ceramic, porcelain and natural products including marble, granite, slate and terracotta. They also follow plans drawn up by an architect, builder or designer.

What would I learn at College?

- How to use wall and floor tiling tools and equipment e.g. cutting equipment, trowel and levels
- How to prepare walls and floors prior to tiling including laying underfloor heating, application of plasterboard, two coat render and floor screeds
- The various types of tiles that are available and how to fix them using the correct adhesives and grouts
- How to set out floors and walls including patterned work and how to fix tiles to these areas

What are my study options?

You can apply for the Wall & Floor Tiling Study Programme or the Wall & Floor Tiling Apprenticeship.

How long is the course?

Study Programme - Level 1 - 1 year
- Level 2 - 1 year

Apprenticeship - Level 2 - 2 years

When would I start?

September 2020

What courses could I progress onto?

You could progress from a Level 1 to a Level 2 or onto an apprenticeship.

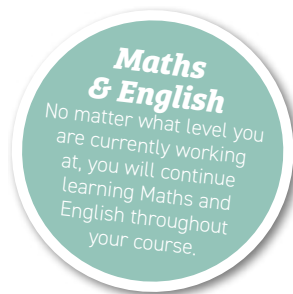
How do I apply?

See pages 10 - 11 for details.

Further information...

For information on our study programmes and apprenticeships see pages 8 - 9.

For entry requirements, please refer to the College website.





WOOD MACHINIST

What's it all about?

Wood machinists manufacture components used in the furniture and construction industries. Finished products may be sold to builders' merchants, DIY stores or used by the furniture-making and construction industries. Common items that a wood machinist prepares from raw materials of timber include frames for doors and windows, staircases and kitchen cabinets.

What would I learn at College?

- How to create drawings and cutting lists
- How to use and gain competency in a range of woodworking machinery including sawing, planing, jointing, profiling and sanding machines
- How to operate CNC and NC controlled woodworking machinery
- How to produce and maintain wood machine tooling
- The PUWER 98 regulations in line with the safe use of woodworking machinery

What are my study options?

You can apply for the Wood Machining Apprenticeship. This apprenticeship is only available on a block release basis.

How long is the course?

Apprenticeship - Level 2 – 2 years
- Level 3 – 13 months

When would I start?

September 2020

What courses could I progress onto?

You could progress from a Level 2 to a Level 3 qualification. There is also the opportunity to progress into higher education at the College.

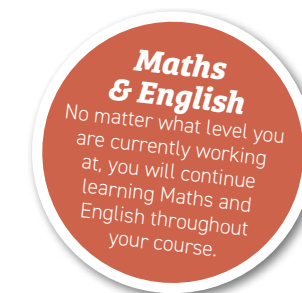
How do I apply?

See page 11 for details. If you are unable to find an employer for an apprenticeship, you can apply for a Carpentry & Joinery Study Programme and switch over at any point when you do find one.

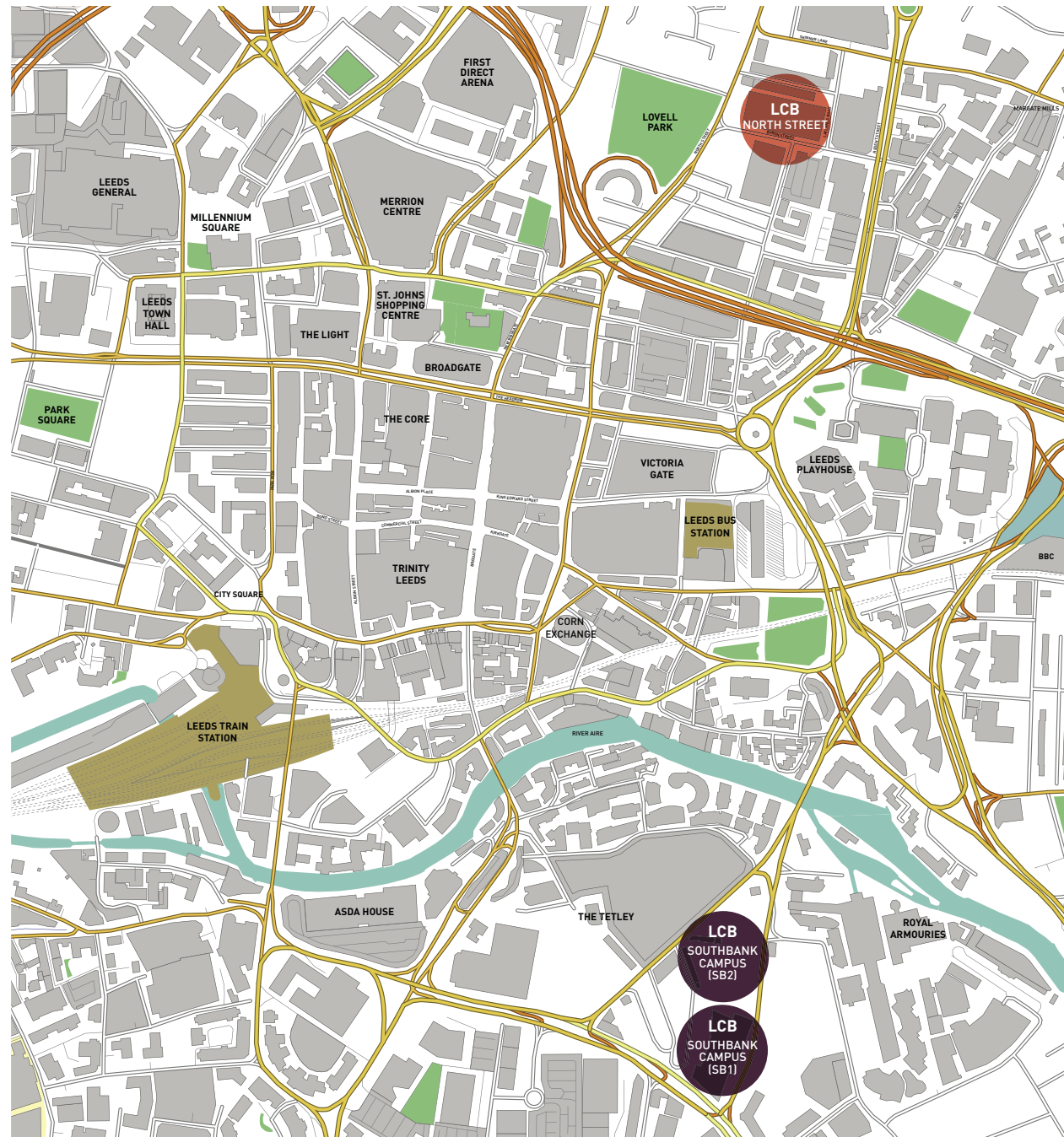
Further information...

For information on our apprenticeships see page 9.

For entry requirements, please refer to the College website.



WHERE TO FIND US...



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Please note: The College reserves the right to change any of the courses listed in order to meet the needs of the construction industry. Please be aware that the information included in this course guide is correct at the time of going to print and is subject to change.

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