



# Academy of Engineering, Technology and Construction



INDUSTRY FOCUSED  
CAREER READY

# Academy of Engineering, Technology and Construction

**Our Academy of Engineering, Technology and Construction prepares students for the highly desirable professions within these three sectors. If you choose to study within this academy, you will gain the skills, qualifications and experience which these industries demand, taught by expert tutors in our state-of-the-art facilities.**

## **Courses we offer:**

- ✓ **Agricultural Engineering**
- ✓ **Engineering Apprenticeships**
- ✓ **Motor Vehicle**
- ✓ **Construction:**
  - **On-Site Construction**
  - **Design, Surveying and Planning**

## **Why choose Reaseheath?**

Our industry-focused courses, fantastic facilities and outstanding staff are just a few of the reasons our students love studying with us and go on to achieve great things in their careers. Not only will you gain an in-depth understanding of your chosen course area, but you will also make lots of new friends, and enjoy your free time by joining our societies, clubs and social events happening regularly across campus.

Our students love studying courses in our Academy of Engineering, Technology and Construction because:

- ✓ **We have specialist facilities right here on campus including our Construction Centre and Innovation Hub, our Advanced Engineering and Agri-Tech Centre, motor vehicle workshops and dedicated Engineering Apprenticeship Academy**
- ✓ **We have great industry links and highly experienced teaching staff, so you will be learning from the best**
- ✓ **You will have lots of opportunities to gain extra experience within your chosen subject area to make you and your CV stand out**

## **Which level of course is right for me?**

We offer a number of different levels of courses at Reaseheath College including T Levels and apprenticeships in some subject areas, Technical Baccalaureates, Advanced Technical Extended Diplomas, Diplomas and Certificates. You can choose the one that's right for you, depending on your previous experience and qualifications.

**Each Level 3 course is equivalent to A Levels and provides you with UCAS points for progression onto our degree programmes at University Centre Reaseheath or at other universities.**

# Study Agricultural Engineering at Reaseheath College

## Did you know?

There will be 3.3% more  
agricultural engineer  
jobs in 2027\*

Are you ecstatic about engines? Our Land-based Engineering T Level\*\* will help you become career ready as you learn all about the advanced technology needed to maintain complex tractors and agricultural machinery used in precision farming, alongside a 315 hour industry placement over the two-year course.

When at college, you'll be based in our amazing Agri-Tech facility, developed in partnership with major agricultural companies, such as New Holland, CLAAS UK, Case IH and JCB. You will develop your technical knowledge and practical ability in the maintenance of agricultural machinery using the latest diagnostic equipment.

You may also be given the opportunity to visit fantastic shows and exhibitions such as LAMMA, and gain first-hand experience to help boost your knowledge within the industry.

\*Source: [www.careerpilot.org.uk](http://www.careerpilot.org.uk)

\*\*Find out more about our T Level qualifications on page 23.

# Your career paths

## Agricultural Engineering courses we offer:

- ✓ Level 2 Technical Certificate in Land-based Engineering
- ✓ T Level in Land-based Engineering



## Career options

Our Agricultural Engineering students often go on to find employment with world-class national and international manufacturers, including the likes of JCB, Case IH and New Holland. There are also many travel opportunities within this sector, with temporary overseas contracts being common in Australia, Canada and America.

Just some of the many possible career options you could progress on to include:

- ✓ Test engineer
- ✓ Precision farming engineer
- ✓ Technical service engineer
- ✓ Technical parts specialist
- ✓ Design and development engineer

Experienced  
agricultural engineers  
earn an average of  
**£45,000 a year\***

\*Source: National Careers Service





# Student success

## Alfie Naylor

### Qualification:

Level 3 Advanced Technical  
Extended Diploma in  
Agricultural Engineering 2022

### Job title:

Engineering Technician  
MJ Robinson Tractors



"I work in a breaking yard at a Ford and New Holland dealership, stripping down used tractors for parts. I did my work placement there in my second year and now I'm a permanent staff member. Eventually I'd like to be a self employed agricultural engineer and I feel I've had a good start to my career.

"Reaseheath was recommended to me by several contacts so I visited there first when I was looking for an engineering college. I was blown away by the fantastic facilities and friendly atmosphere.

"The course lived up to all expectations. The lecturers and instructors were very engaged and we had lots of new experiences and opportunities to network within the industry. I also enjoyed mixing with students from other departments."

Find out more about studying  
Agricultural Engineering at Reaseheath College  
[reaseheath.ac.uk/agricultural-engineering](https://reaseheath.ac.uk/agricultural-engineering)

# Engineering Apprenticeships at Reaseheath College

Do you want to gain practical skills and knowledge in the engineering sector? If working with big and complex machinery sounds like the route for you, then why not consider an engineering apprenticeship with Reaseheath College.

## Did you know?

Within the North West, there were 8,878 Engineering Technicians jobs in 2022, 7% above the national average\*

You will become career ready in no time by accessing high quality training and learning with state-of-the-art technologically advanced machinery and equipment. Whether it be agricultural, construction plant, bus or rail industries you have an interest in, studying in the Agri-Tech Centre will help you to get off to a flying start.

Reaseheath College work with over 80 companies, such as JCB Dealerships, The Gap Group and Alstom, so it's guaranteed you will be placed in knowledgeable and experienced hands, paving the way for a bright future.

# Your career paths

## Engineering apprenticeships we offer:

- ✓ Level 3 Land-based Service Engineering Technician Apprenticeship
- ✓ Level 3 Bus and Coach Engineering Technician Apprenticeship
- ✓ Level 3 Construction Plant Apprenticeship
- ✓ Level 3 Rail Engineering Technician Apprenticeship

## Career options

Once qualified, Engineering apprentices will be rewarded with a range of amazing career opportunities within the industry and other sectors too. With the transferable skills gained, there will be countless jobs on offer. Popular industries for those with this qualification include building and infrastructure, shipping and marine, oil and quarrying.

Some of the many possible job options you could work as include:

- ✓ Bus and coach specialist
- ✓ Auto electrician
- ✓ Construction plant mechanic
- ✓ Rail maintenance technician
- ✓ Forklift truck technician
- ✓ Recycling industry engineer



Experienced  
construction plant  
mechanics earn an  
average of £35,000  
a year\*

\*Source: National Careers Service





# Student success

## Maddi Simmons

### Qualification:

Level 3 Bus and Coach Engineering Technician Apprenticeship

### Job title:

Engineering Apprentice  
First Bus



"I'm a final year engineering apprentice with First Bus, one of the largest UK bus operators. For my college study I'm based at Reaseheath's Engineering Apprenticeship Academy and I spend the rest of my time being mentored at my depot in Somerset.

"First Bus is a forward thinking company which is moving towards a zero emission fleet, so I'm gaining transferable skills with different hand tools and systems as the fleet transfers to hybrid and all electric transport vehicles.

"It's an exciting industry to be in and you learn something new and interesting every day. Gaining a well recognised qualification opens up so many opportunities — and you're getting paid at the same time!

"The best thing about studying at Reaseheath is the wealth of experience of the lecturers and that the sessions are delivered both in the classroom and in the workshop. The training facilities are up to date and the accommodation and social facilities are good."

Find out more about

Engineering Apprenticeships at Reaseheath College

[reaseheath.ac.uk/engineering-apprenticeships](https://reaseheath.ac.uk/engineering-apprenticeships)

# Study Motor Vehicle at Reaseheath College

## Did you know?

In 2022, there were  
**19,543 Vehicle Technicians,  
Mechanics and Electrician  
job posting in the North  
West, which is 5%  
above national  
average\***

Does the thought of studying vehicles fuel you? Jump start your career with Reaseheath's industry focused motor vehicle course. This course will provide you with the practical skills and knowledge needed to become ready for an exciting and rewarding career in the motor vehicle industry, as you will learn all about advanced diagnostic systems, fault finds and carrying out repairs.

You will receive hands-on experience in our purpose-built Engineering Centre with industry standard workshops, a stunning exhibition-style showroom, an electronics lab and the latest equipment. On top of this, we have strong links with a range of reputable companies, including Acorn Motor Group, Smiths Autoparts, SYNETIQ and Halliwell Jones.

As well as hands-on experience, you will also be given the opportunity to visit track days, transport museums, motor shows and more.

# Your career paths

Motor Vehicle courses we offer:

- ✓ Level 1 IMI Diploma in Automotive Maintenance
- ✓ Level 2 IMI Diploma in Vehicle Inspection
- ✓ Level 3 IMI Diploma in Maintenance and Repair

## Career options

Our Motor Vehicle students often secure employment in independent garages and main dealerships. With our Institute of the Motor Industry (IMI) diplomas, doors will be opened to job prospects around the world.

Popular career options include:

- ✓ Vehicle technician
- ✓ Working within main vehicle dealerships
- ✓ Master technician
- ✓ Motorsport engineer



Experienced motor mechanics earn an average of £35,000 a year\*

\*Source: National Careers Service





# Student success

## Will Redford

### Qualifications:

IMIAL Level 2 Diploma in  
Light Vehicle Maintenance  
and Repair Principles 2022

IMIAL Level 3 Diploma in  
Light Vehicle Maintenance  
and Repair Principles 2023

### Ambition:

Professional racing driver



"I'm early in my career in real world motorsport and competing in my second season in seniors in the Milltek Sport Civic Cup Championship. I've had several podium finishes and a race win, and proved myself to be one of the fastest drivers in the series.

"I represent the Pro Alloys Racing team and have several major sponsors so I'm very pleased with how my career's going. I'm also part of a sim racing team, which is how I first got into motorsport.

"I studied motor vehicle mechanics because I wanted to continue developing my skills as a mechanic. The qualifications are good insurance for the future and also help me with my racing. It's one thing knowing how to drive fast but it's also hugely important to understand how the car works.

"I got to know Reaseheath well in the two years I attended as a Year 10/11 pupil and I really enjoyed becoming a full time student. The facilities are great. There's a wide range of modern vehicles, the tools and equipment are state of the art and the lecturers are friendly and supportive."

Find out more about studying Motor Vehicle at Reaseheath College  
[reaseheath.ac.uk/motor-vehicle](https://reaseheath.ac.uk/motor-vehicle)



# Study On-Site Construction at Reaseheath College

## Did you know?

There were **43,586**  
construction and building  
trade jobs in the North  
West in 2022\*

The construction industry is booming and now is a brilliant time to join. Our On-Site Construction diplomas and T Levels\*\* will equip you with the skills needed to become a highly qualified tradesperson; whether you are interested in brickwork, joinery or plastering, Reaseheath will provide the perfect foundation.

All our courses are industry focused, providing you with recognised qualifications and practical skills needed to move forward in your career. You will learn in our state-of-the-art Construction Centre and Innovation Hub and use specialist equipment so you will be well prepared when you progress into working in the industry.

\*Source: [analyst.lightcast.io](https://analyst.lightcast.io)

\*\*Find out more about our T Level qualifications on page 23.

# Your career paths

## On-site Construction courses we offer:

- ✓ Level 1 Diploma in Brickwork
- ✓ Level 1 Diploma in Joinery
- ✓ Level 1 Diploma in Plastering
- ✓ Level 1 Diploma in Construction Multi-skills (Building Heroes)
- ✓ Level 2 Diploma in Brickwork
- ✓ Level 2 Diploma in Joinery
- ✓ Level 2 Diploma in Plastering
- ✓ T Level in On-site Construction

## Construction apprenticeships we offer:

- ✓ Level 2 and 3 Apprenticeships in Construction (brickwork or carpentry and joinery)

## Career options

As a construction student you will gain the skills needed for a successful career in a growing industry. There are several different career paths you could go down and there is plenty of opportunity for progression within the trade areas.

### Popular trade career options include:

- ✓ Site joiner
- ✓ Bricklayer
- ✓ Plasterer

Experienced  
bricklayers earn  
an average of  
**£40,000 a year\***

\*Source: National Careers Service





# Student success

## Tyler Valentine

### Qualifications:

Level 1 Diploma in Brickwork 2022

T Level (Level 3) in

On-site Construction 2024

### Ambition:

Business owner



"I chose to study for a T Level in On-site Construction because I want to run my own multi-trade business and this course gives you the opportunity to develop a knowledge of all trades as well as advancing in your own speciality.

"The T Level is an advanced course which is more in-depth than your typical diploma. It's proof that you're intent on a career in the construction industry and I think it'll make you stand out to an employer, so it's well worth achieving.

"I enjoyed the first year of my T Level, which is mainly theory, and the second year has been even better because there are a lot of practical sessions. It's very varied and you're always learning something new, and you also gain good industry experience. Reaseheath's tutors are brilliant and I've made a lot of good mates."

Find out more about studying Construction at Reaseheath College  
[reaseheath.ac.uk/construction](https://reaseheath.ac.uk/construction)

# Study Design, Surveying and Planning at Reaseheath College

## Did you know?

In the North West in 2022,  
there were 7,786 jobs for  
Construction Project  
Managers and related  
professionals\*

Our Design, Surveying and Planning T Level\*\* has been designed with employers to teach you core skills needed to build a successful career in the industry, such as research, problem solving, communication and collaboration skills.

One week you could produce sketches and drawings on industry-standard software, the next you could work in a group to produce a tender; then you might complete research for a mock court case; and then collect dimensional information from a site visit.

You will perfect your skills in our state-of-the-art Construction Centre and Innovation Hub and, thanks to our partnerships with leading businesses, you will benefit from top quality materials and resources, and high technology equipment such as VR headsets, due to our involvement in the Advanced Construction Training project.

\*Source: analyst.lightcast.io

\*\*Find out more about our T Level qualifications on page 23.

# Your career paths

## Design, Surveying and Planning courses we offer:

- ✓ Level 2 Transition Programme in Design, Surveying and Planning
- ✓ T Level in Design, Surveying and Planning

## Career options

After completing your Design, Surveying and Planning T Level, there are several different career paths you could go down and there is plenty of opportunity for progression.

Popular professional construction career options include:

- ✓ Project manager
- ✓ Architect
- ✓ Quantity surveyor
- ✓ Health and safety manager



Experienced  
quantity surveyors  
earn an average of  
**£80,000 a year\***

\*Source: National Careers Service





# Student success

## Kate Cole

### Qualifications:

Level 3 Extended Diploma  
in Construction and the  
Built Environment 2022

### Undergraduate:

BSc (Hons) Rural Enterprise  
and Land Management  
(Harper Adams University)

### Ambition:

Rural land agent and surveyor



"I felt Reaseheath's course would give me the best introduction to the built environment, and it's taken me further than I ever thought possible.

"As well as preparing me academically for university, the syllabus was incredibly diverse and delivered so many different skills and experiences. My course manager went above and beyond to make the topics relevant, from using the latest technical surveying equipment to arranging site visits and industry trips. Our practical projects included designing a plan for a new agricultural showground, which was implemented at college, and I also won best overall design for an outdoor classroom to be built on campus.

"There are so many options for women in the construction industry, it was great to see other female students had chosen the diploma route too. My degree is also delivering everything I want from it and I'm looking forward to my year's industry placement."

Find out more about studying Construction at Reaseheath College  
[reaseheath.ac.uk/construction](https://reaseheath.ac.uk/construction)

# T Levels at Reaseheath College

**T Levels are exciting new technical qualifications, equivalent to three A Levels, which give you the knowledge and hands-on experience needed to become career ready in your subject area.**

Not only have these industry focused qualifications been designed with employers, but they also include 315 hours of industry placement over the two years, to give you an invaluable introduction to the workplace in preparation for your future career.

Throughout your T Level you will also learn from our highly experienced tutors, use the state-of-the-art facilities we have on campus, and receive all the help you need from our specialist support staff.

## Who can study a T Level?

T Levels can be studied by anyone aged 16 — 19\* or up to the age of 24 for students who have an Education, Health and Care Plan (EHCP).

## Which T Levels are offered at Reaseheath College?

In Reaseheath's Academy of Engineering, Technology and Construction, we offer the following T Levels:

- ✓ Land-based Engineering
- ✓ Design, Surveying and Planning for Construction
- ✓ On-site Construction (with Brickwork, Carpentry and Joinery, or Plastering pathways)

## T Level Transition Programme

If you don't quite get the grades needed for a T Level, don't worry. A one-year T Level Transition Programme may be available, which will develop your skills, knowledge and behaviours needed to progress onto a T Level.

**T-LEVELS**  
**THE NEXT LEVEL QUALIFICATION**

\*For more details please visit our website.

For more information about studying a T Level at Reaseheath College, and to see what other T Levels we offer, visit our website at: [reaseheath.ac.uk/further-education/t-levels](https://reaseheath.ac.uk/further-education/t-levels)

**Whichever course in the  
Academy of Engineering,  
Technology and Construction  
you choose at Reaseheath  
College, you will benefit  
from our amazing facilities,  
advanced technologies  
and strong industry  
expertise, ensuring you  
are ready for a great career.**

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