



# Higher Education Brochure

## October 2020

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## Company Outline

Thank you for your interest in **Engineers Academy**.

Founded in 2017, **Engineers Academy** has quickly become one of the most highly regarded solutions for the delivery of engineering programmes via distance learning in the UK, delivering a range of accredited Higher National (HN) qualifications to students from a range of backgrounds and industries.

Since its conception, the mission of **Engineers Academy** has been to make the study of higher education in engineering something that is flexible and accessible to all. We are pleased to be able to offer students an opportunity to study higher engineering qualifications that might not have previously been accessible. Many of our students have complex work or family commitments, travel for work, or even work offshore.

Our commitment to facilitating distance-learning programmes that meet the needs of both employers and employees has been acknowledged by a number of well recognised customers in the sector, including *Siemens Gamesa, Egger, Vestas, Bureau Veritas* and more. We are pleased to have earned the trust of these industrial stakeholders to facilitate their commitments to ongoing training and development, and the education of their employees who study with us.

**Engineers Academy** is an approved centre of Pearson EDEXCEL, and is in a position to award full, accredited qualifications in Engineering. These include Higher National Certificate (HNC) and Higher National Diploma (HND) qualifications, which are highly recognised and sought throughout the sector, and provide opportunities for progression within organisations or in further academic study.

Additionally, for those students who have been out of education for some time, or require additional support and tuition before embarking on a Higher National qualification, **Engineers Academy** provides a suite of bridging courses, designed to prepare students for study in higher education.

The following sections explore our qualifications in more detail and provide more information on how we support our students throughout their study programmes. Details can be found on how we facilitate reliable access to our secure study platform, and the methods used to track and communicate our students' progress to sponsors and stakeholders.

We hope that, after reviewing all of this information, you will consider **Engineers Academy** as a solution within your organisation, and we look forward to hearing from you in this regard.



**Andy Smith**  
Director of Business Development  
Engineers Academy



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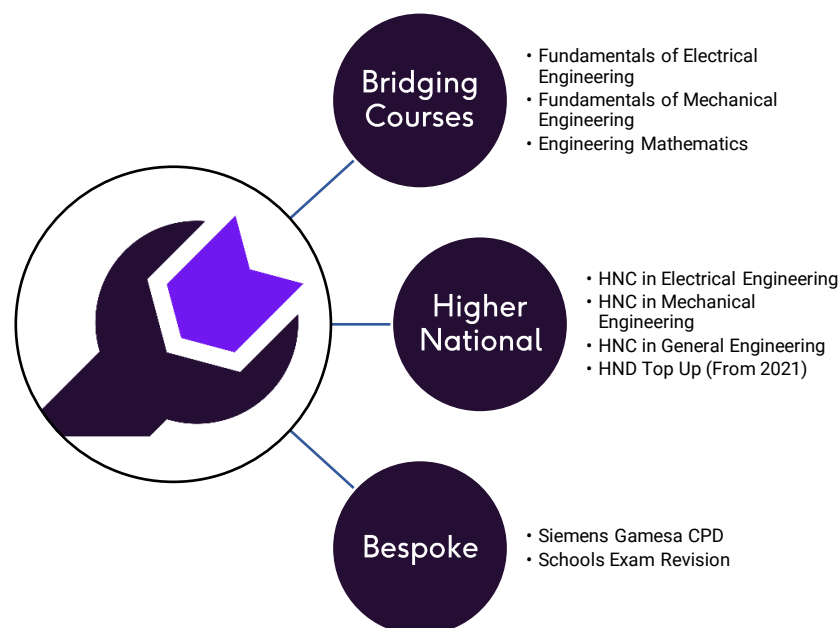


## Courses

**Engineers Academy** offers a range of programmes, from **bridging courses**, designed to prepare students for study in higher education, all the way through to full, accredited Higher National (HN) qualifications in a variety of engineering disciplines.

Additionally, **Engineers Academy** engages in the design of **bespoke**, short courses to meet the specific requirements of particular organisations. For example, *Siemens Gamesa* chose to work alongside **Engineers Academy** to develop an online course specific to the offshore wind industry, allowing their staff to participate in continuing professional development. **Engineers Academy** has also developed exam revision materials and resources for schools teaching engineering qualifications.

A summary of our course offering can be seen below:



The driving ethos at **Engineers Academy** has always been to provide flexible access to higher education, for those who might not normally be able to attend a college or university. This inability might be due to geographical location, work commitments, or having been some time outside of formal education.

To this extent, **Engineers Academy** has developed online, interactive resources that students can access anytime, and anywhere. Our comprehensive video tutorials guide students through every step of their studies, and these videos have been made publicly available on YouTube, on a channel which now has thousands of subscribers across the world.

Our commitment to an excellent student experience on a distance learning programme has led us to be recognised by a range of companies throughout the engineering sector. Many of our students are sponsored by their employer to study on our programmes, and we are committed to fulfilling the high expectations of these industrial sponsors, as well as the students who enrol on our courses.



## Course Content

### Bridging Courses

**Engineers Academy** provides **bridging courses** in Essential Mathematics, Fundamental Mechanical Principles, and Fundamental Electrical & Electronic Principles. The content of these bridging courses is designed to include a range of lessons that serve as a primer for key engineering topics, preparing students for study at Level 4 (HNC) and above.

### HNC Courses

**Engineers Academy HNC Courses** consist of 8 units, and the current unit content of our HNC courses is as follows:

HNC in General Engineering	HNC in Mechanical Engineering	HNC in Electrical & Electronic Engineering
Engineering Maths	Engineering Maths	Engineering Maths
Engineering Science	Engineering Science	Engineering Science
Materials, Properties and Testing	Materials, Properties and Testing	Renewable Energy
Renewable Energy	Mechanical Principles	Electrical and Electronic Principles
Mechanical Principles	Fluid Mechanics	Electrical Machines
Electrical and Electronic Principles	Fundamentals of Thermodynamics and Heat Engines	Electronic Circuits and Devices
Engineering Design	Engineering Design	Engineering Design
Managing a Professional Engineering Project	Managing a Professional Engineering Project	Managing a Professional Engineering Project

### HND Top-Up Courses

**Engineers Academy HND Top-Up Courses** commence in Early 2021, and include an additional seven units, which will 'top up' a student's Higher National Certificate (HNC) into a Higher National Diploma (HND). The planned unit content for these HND courses is as follows:

HND Top-Up in General Engineering	HND Top-Up in Mechanical Engineering	HND Top-Up in Electrical & Electronic Engineering
Professional Engineering Management	Professional Engineering Management	Professional Engineering Management
Further Mathematics	Further Mathematics	Further Mathematics
Virtual Engineering	Virtual Engineering	Virtual Engineering
Research Project	Research Project	Research Project
Lean Manufacturing	Lean Manufacturing	Industrial Systems
Advanced Mechanical Principles	Advanced Mechanical Principles	Further Electrical, Electronic and Digital Principles
Industrial Power, Electronics and Storage	Thermofluids	Industrial Power, Electronics and Storage



# Tracking and Reporting

## Student Progress

Students on **Engineers Academy** courses study their units sequentially, rather than studying several units at once, which might be typical of 'traditional' modes of attendance in a college or university. We believe that studying Higher National units one-at-a-time provides the student with several advantages:

- Students can easily monitor their own progress, when working through and achieving grades in only one unit at a time.
- Students can more easily organise their own time, and more effectively structure their studies, especially when their studies must fit into the other demands of work and home.
- The units are ordered in such a way to help the student learn and progress. For example, all HNC students complete the **Engineering Maths** unit first, because the principles learned can be applied in subsequent units. Similarly, the student's **Professional Engineering Project** unit concludes their HNC, since the skills that students have developed over the course of their studies can all contribute to the completion of their independent project work.

## Progress Monitoring

To help students keep on track, **Engineers Academy** sends an automated, weekly progress email to every student, which gives a percentage score of how far the student has worked through their current unit in that week, as well as an overall percentage score for the unit's completion.

These weekly reminders serve to keep students on track in their studies, and to highlight the progress that they have made each week.

## External Reporting to Sponsors

For **sponsors** of students studying on **Engineers Academy** programmes (where sponsors may include employers, training providers or similar), it is important that there be transparency for all parties in terms of the sponsored students' progress, in order that sponsors are reassured that their students are making progress in their studies towards a successful outcome.

For this reason, **Engineers Academy** have developed an automated, weekly report that is specifically for student sponsors, which shows a weekly summary of the progress that each of their sponsored students have made each week. With **Engineers Academy**, training providers and employers can feel confident that the students they sponsor are making progress in their studies on a weekly basis, via a facility that would not normally be practicable for students attending a 'typical' brick-and-mortar institution.



# Student Experience

## Interactive

**Engineers Academy** places the student experience at the core of its operation. With hundreds of highly regarded **video tutorials**, delivered by qualified and experienced engineering teachers, and thousands of **interactive practice questions**, our driving approach is to replicate – if not improve upon – a ‘typical’ classroom experience, whilst maintaining the flexibility for students to study at their own convenience.

- Students or stakeholders are welcome to sign up on the **Engineers Academy** website for **free sample lessons**, to experience studying on the platform.

## Secure

Students log in to a **secure**, cloud-hosted platform, which records all work and progress, and this platform can be accessed on any device with an internet connection, including smartphones, tablets and otherwise. Engineers Academy performs an automated daily backup of all student work and progress.

## Responsive

With any study programme, **responsiveness** is key, and students can readily access further **support** in their studies by contacting their tutors, who typically respond on the same working day, if students have any queries, concerns or questions. Independent study via distance-learning can be a challenge, and so **Engineers Academy** aim to be as responsive as possible so that students never feel that they are left alone to struggle, without any access to further help or support. Additionally, students can interact with their tutors or one another by participating in **Discussion Forums** on the platform, to give or receive support from other students working on the same topic.

## Flexible

Students from a wide range of backgrounds and circumstances choose to enrol on a study programme with **Engineers Academy**, and so we make every effort to develop our programmes to be as accommodating to all students as possible.

- Our **start dates** are flexible: students can enrol on our programmes at any time of the year – not just September!
- Our **programme durations** are flexible: we realise that some students will be able to commit more time than others to their studies. As a guide, we recommend that students are in a position to spend around 4-5 hours per week on their studies, which will enable them to complete their HN programme within 2 years.
- Our **payment options** are flexible: students can pay by instalments, or in one lump-sum.



## Further Information

- **Engineers Academy** facilitates flexible payment options for sponsors such as employers and training providers, as well as for students who wish to pay for their own studies.

Please see our **Fees Policy for Higher Education**, which is available on request, for further information.

- **Engineers Academy** has a commitment to data security and privacy, and gathers only the necessary information for students and stakeholders to effectively engage with its platform, and shares such information with only those 3<sup>rd</sup> party agencies, authorities and providers that are necessary for such engagement.

Please see our **Privacy Policy** and **Data Management Policy**, available on request, for further information.

For any other information about **Engineers Academy**, or any of its programmes, please contact [info@engineers.academy](mailto:info@engineers.academy) or visit our website at <https://engineers.academy/>

Thank you for your interest.

