

## Construction Engineering Surveying training courses

Our Engineering Surveying training courses are ideal for beginners, those seeking a career change, graduates, assistants, and junior engineers looking to advance their careers in construction engineering and surveying. We understand that embarking on a new job can be challenging, but we are here to support you every step of the way. With over 30 years of experience and training with more than 1,200 learners, we have developed expertise in effectively training beginners. You could earn between £150 and £300 per day within a year.

**Learning Plans:** We offer training courses for existing engineers seeking qualifications to apply for a Gold CSCS Engineer Surveyor Card, beginners, and those wishing to transition into construction engineering surveying. In London, Engineering Surveying classes are offered on the first three weekends of each month and every other month for two weeks. In Manchester, we offer five consecutive weekdays every month for two months. **Please note that a final fee of £100 towards certification is payable upon certificate claim.**

**We offer a 3% discount on payments in full in advance.**

1) **The graduate training program- Fee: £ 1295 plus VAT, ((Timetable: 6 days (Monday to Friday + Sunday, or the first three weekends of a month), 11.00 am to -5.30 pm.** This course is designed to help graduates in building, civil engineering, and environmental courses learn to use Total Stations, set out, and conduct surveys. You will be able to demonstrate recent training and confirm your ability to survey and set out on-site, thereby improving your chances of success at job interviews.

2) **Beginners to an advanced level—Fee: £2495 plus VAT with Diploma qualifications (£2995)**

Timetable: (The first three weekends of every month for two months, alternatively, two weeks full-time. (12 days) 11.00 am to 5.30 pm) We train beginners to the standard of an engineer through extensive training in using total stations, GNSS, and levelling equipment. You will learn setting out and surveying techniques, and how to work as a junior site engineer or land surveyor. Your qualification will enable you to apply for a gold CSCS engineer surveyor card without needing a university degree.

Post-training support by telephone and email for as long as necessary, as is an occasional day visit to the college for more practice.

3) **Beginner to an enhanced course. Fee: £3329 plus VAT, (£3995) including Diploma qualification, First Aid, and more subjects**

(Timetable: **The first three weekends every month for two months, plus an optional attendance in our two-week full-time lessons from 08.30 to 5.30 pm.** Enhanced learners will attend from 08.30 to learn topics not included in the engineering surveying syllabus but vital to increasing their chances of securing work and working at a higher pay rate. At 11:00 a.m., they will join the beginner to advanced learners.

This course also includes **Building Information Modelling (BIM), First Aid at Work, Quality Assurance, how to work as an engineer, and learning to fly drones for work progress monitoring, inspection, quality assurance procedures, and as-built surveys. We provide lifetime support** by phone, WhatsApp, email, or visit the college on agreed-upon dates for further training if necessary.

4) **ProQual Level 3 Diploma in Engineering Surveying for existing engineers- Fee: £1695 including VAT**

We will agree on a suitable timetable of lessons. This will include one to two days of training and assessment at the learners' workplace, followed by another one or two days at the college, leading to the award of the Diploma to apply for a gold CSCS card. Please note that this course does not include setting out training, as learners must be able to use Total Stations to join.

**Entry requirements: This course does not require entry requirements except a satisfactory English language proficiency level, both verbally and in writing.**



### **Post-training support**

Lifetime telephone, email, and WhatsApp support. Arrange to visit the college for face-to-face support. Contact us from work by WhatsApp for support.

**Warning: Please be aware of the following**

- Most providers issue unrecognized in-house certificates. Before paying any deposit or fees, please request written confirmation that, with their certificates, you can apply for a gold CSCS engineer surveyor card, or they will refund your money.
- Awarding bodies monitor and quality-assure their centers; those who issue their in-house certificates are not quality-assured. See their Google or Trustpilot reviews; don't believe their marketing hype.
- Avoid non-VAT-registered providers. This is a major red flag; an established training provider should be VAT registered. They avoid tax and VAT and look a lot cheaper than others. Not VAT-registered providers usually delete the learner's details from their records as if they never existed. As a result, they do not provide proper invoices, post-training support, extra classes, or valid qualifications. Remember, you can claim 20% tax and 20% VAT back if you have an invoice and the provider is VAT registered. You can easily register for VAT as a self-employed. Please check with HMRC or an accountant on how to claim tax and VAT back.
- Check if you can re-join next month to make up for missing classes. If the answer is no, then there is no post-training support.
- Find out if they are a limited company. Limited companies are safer, as their records are open to the public. Avoid non-limited company providers, as you never know who they are and where they are based.
- Ask to see a specimen of their certificate and ensure the **OFQUAL name is on it**. Otherwise, it is worthless.





Key requirements of quality training

- CSCS valid courses



- Nationally and internationally recognized qualifications
  - VAT registration
- Limited company registration
- Recovery of missed lessons in their subsequent training sessions
- Records of who they are and the head office location
  - Trustpilot reviews
- **Avoid providers missing even one of the above**

- Key topics of the course. Principles of Surveying, Mathematics of Surveying, Levelling, two peg tests, introduction to Total Stations, basic surveying, and setting out

Principles of surveying	<u>Levelling</u>	<u>Total Stations</u>	<u>GNSS</u>	Setting out methods
<ul style="list-style-type: none"> <li><u>Pythagoras theorem</u></li> <li><u>How Total Stations use basic math to work.</u></li> <li><u>Calculating distances, bearings, angles, and heights</u></li> <li><u>Calculating areas, volumes, and gradients</u></li> <li><u>Working out coordinates from drawings</u></li> <li><u>Establishing local grids and coordinate systems</u></li> </ul>	<ul style="list-style-type: none"> <li><u>Principles of levelling</u></li> <li><u>Levelling by automatic, laser, and digital levels</u></li> <li><u>Two peg test calibrating levelling instruments</u></li> <li><u>Levelling traverse</u></li> <li><u>Establishing site datums and TBM's</u></li> <li><u>Levelling by Total Stations</u></li> </ul>	<ul style="list-style-type: none"> <li><u>How Total Stations work</u></li> <li><u>Distance and angle measurement</u></li> <li><u>Rounds of angles</u></li> <li><u>Traversing</u></li> <li><u>Establishing site controls</u></li> <li><u>Control Networks</u></li> <li><u>Resection program</u></li> <li><u>National and local grids</u></li> </ul>	<ul style="list-style-type: none"> <li><u>How GNSS works</u></li> <li><u>Advancements in technology</u></li> <li><u>Static and RTK modes</u></li> <li><u>Surveying and setting out by GNSS</u></li> <li><u>Establishing site controls</u></li> <li><u>Topographic surveys</u></li> </ul>	<ul style="list-style-type: none"> <li><u>Key instrument programs</u></li> <li><u>Stakeout, Surveying, principles of setting out.</u></li> <li><u>Setting out Piles, walls, columns, foundations</u></li> <li><u>Measuring angles, distances, and heights</u></li> </ul>
<p>Final qualifications or certificates gained. For advanced and enhanced learners only</p> <p>ProQual Level 3 Diploma in Engineering Surveying to apply for a gold CSCS engineer surveyor card for advanced or enhanced learners only</p> 				<p>To book this course, please pay by BACS to the college account, using your name as a reference, or pay online.</p> <p>Finchley College (this is a business account) Sort code: 09-01-27 Account no. 44018113</p> <p>Alternatively, pay online, <a href="http://www.finchleycollege.com">www.finchleycollege.com</a></p>

## Finchley College timetable for the Engineering surveying courses- 12-weekend sessions or two-week blocks

	12 weekend sessions over two months or a block of two weeks in one month (Mon-Fri + Sunday), 08.30-5.30 pm Enhanced learners attend from 8.30 am, advanced learners attend from 11.00 am						
		Early morning session for enhanced learners only			Advanced and enhanced learners		
Weekday classes	Weekend classes	08.30 to 09.30 am	09-30 -10.30	Break 10.30-11.00	11.00 am to 1.00 pm	Lunch break 1.00-1.30 pm	1.30-5.30
1-Monday	Saturday	Understanding construction processes <ul style="list-style-type: none"><li>• Ground works, RC, and steel frames</li><li>•</li></ul>			Surveying Mathematics		Induction, introduction to Total Stations- settings, programs, uploading data, setting out practice
2-Tuesday	Sunday	Familiarization with surveying equipment <ul style="list-style-type: none"><li>• Total Stations, GNSS, Levelling equipment</li></ul>			Surveying mathematics <ul style="list-style-type: none"><li>• Global/Local coordinate systems and conversions</li></ul>		Setting out techniques, setting out points, such as piles, drainage, groundwork
3-Wednesday	Saturday	Setting out techniques <ul style="list-style-type: none"><li>• Setting out piles, walls, and columns</li></ul>			Using GNSS for surveying and setting out. Unit 5311- knowledge questions of the award		Setting out techniques- Setting out walls, columns, lift shafts
4-Thursday	Sunday	AutoCAD <ul style="list-style-type: none"><li>• AutoCAD registration and exercises</li><li>• Setting out exercises</li></ul>			GNSS practice sessions <ul style="list-style-type: none"><li>• Surveying and setting out</li></ul>		Setting out roads
5-Friday	Saturday	Surveying- as-built surveys <ul style="list-style-type: none"><li>• Export surveys to AutoCAD</li><li>• Setting out exercises</li></ul>			Unit 5312- knowledge questions of the award		Surveying- as-built surveys <ul style="list-style-type: none"><li>•</li></ul>
6-Sunday	Sunday	AutoCAD			AutoCAD		AutoCAD
7-Monday	Saturday	Learning to fly drones <ul style="list-style-type: none"><li>• Drone registration and obtaining a flyer ID</li><li>• Setting out exercises</li></ul>			Unit 5308-knowledge questions		Setting out exercises
8-Tuesday	Sunday	Learning to fly drones <ul style="list-style-type: none"><li>• Preparation for the online test for the operator ID</li></ul>			Unit 5309-Knowledge questions		Levelling exercises <ul style="list-style-type: none"><li>• Using automatic, laser, and digital levels</li><li>• Two peg tests</li></ul>
9-Wednesday	Saturday	Building Information Modelling <ul style="list-style-type: none"><li>• REVIT software</li></ul>			Unit 5310-Knowledge questions		Setting out techniques- Setting out walls, columns, lift shafts
10-Thursday	Sunday	First Aid at Work			First Aid at Work		Traversing- Establishing open and closed traverses <ul style="list-style-type: none"><li>• Adjusting errors, misclosures, and accuracies</li></ul>
11-Friday	Saturday	First Aid at Work			First Aid at Work		Final assessments
12-Sunday	Sunday	AutoCAD					AutoCAD
Enhanced learners can attend AutoCAD training on the third Sunday of each month for up to three months, plus an extra six days of weekends or two weeks of full-time training.					Please note that the qualification certificate has a final fee of £100. Certification is subject to satisfactory completion of assessments.		

		6-day graduate training program- (Monday to Friday plus Sunday), or 6 weekend sessions in one month.					
Weekday classes	Weekend classes	08.30 to 09.30 am	09.30 -10.30	Break 10.30-11.00	11.00 am to 1.00 pm	Lunch break 1.00-1.30 pm	1.30-5.30
1-Monday	Saturday	Understanding construction processes <ul style="list-style-type: none"> <li>• Ground works, RC, and steel frames</li> <li>•</li> </ul>			Mathematics of Surveying		Induction, introduction to Total Stations- settings, programs, uploading data, setting out practice
2-Tuesday	Sunday	Familiarization with surveying equipment <ul style="list-style-type: none"> <li>• Total Stations, GNSS, Levelling equipment</li> </ul>			Global local coordinate transformation		Setting out techniques, setting out points, such as piles, drainage, groundwork
3-Wednesday	Saturday	Setting out techniques <ul style="list-style-type: none"> <li>• Setting out piles, walls, and columns</li> </ul>			Principles of levelling exercises		Setting out techniques- Setting out walls, columns, lift shafts
4-Thursday	Sunday	Setting out techniques <ul style="list-style-type: none"> <li>• Setting out piles, walls, and columns</li> </ul>			GNSS <ul style="list-style-type: none"> <li>• Setting out and surveying by GNSS</li> </ul>		Setting out roads
5-Friday	Saturday	Surveying- as-built surveys <ul style="list-style-type: none"> <li>• Export surveys to AutoCAD</li> <li>• Setting out exercises</li> </ul>			Traversing		Surveying- as-built surveys
6-Sunday	Sunday	AutoCAD			AutoCAD		AutoCAD

## Existing engineers

One of our assessors will visit existing engineers or surveyors at their workplace for practical assessments of using Total Stations.

We will agree on suitable dates for learners to attend college to complete their course.

There is no training for setting out for the existing engineers' course, as they must be able to use Total Stations at the workplace before joining the course.

## Course comparison

### Job Opportunities

Recent job advertisements in the CV Library show pay rates of up to £350 per day for setting out engineers and site engineers. Search for these roles in your area to see the potential career opportunities.

<b><u>Setting Out Engineer</u></b>  <b>£40,000 - £45,000/annum Competitive day rate considered</b>  <b>N12, Woodhouse, Greater London</b>  <b>Permanent</b>	<b><u>Setting Out Engineer</u></b>  <b>£300/day</b>  <b>E16, Custom House, Greater London</b>  <b>Contract, Temporary</b>	<b><u>Setting Out Engineer</u></b>  <b>£270 - £320/day</b>  <b>South London, London</b>  <b>Contract</b>
<b><u>Setting Out Engineer</u></b>  Salary: <b>£340/day</b>  Location: <b>BR1, Bromley Town, Greater London</b>  Job Type: <b>Temporary</b>	<b><u>Site engineer</u></b>  Salary: <b>£280 - £320/day</b>  Location: <b>City of Westminster, Greater London</b>  Job Type: <b>Contract</b>	<b><u>Site Engineer</u></b> Salary: <b>£270 - £330/day Outside IR35</b>  Location: <b>Barking and Dagenham, Greater London</b>  Job Type: <b>Contract, Temporary</b>
You may have to apply for junior engineer roles before progressing to setting out or surveyor roles a few months later as a trained and qualified engineer/surveyor with a gold CSCS Engineer Surveyor card.		

### Contact Us

For more information or to enrol, please get in touch with us:

**Email:** finchleycollege@yahoo.com

**Phone:** 07974 221155, 020 8143 8970

**Website:** [www.finchleycollege.com](http://www.finchleycollege.com)

## Some of our recent Trustpilot reviews

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I recently completed the Engineering Surveying course at Finchley College, and it was a fantastic experience. The course was well-organized, very practical, and provided plenty of useful information.

I want to give special thanks to Reza, our teacher. He was brilliant, knowledgeable, and always professional. He explained everything clearly, made even the complex parts easy to understand and gave us real-world examples to help us learn. He was also very approachable and happy to answer any questions we had.

The college provided excellent equipment and hands-on training, which was very important for this type of course. The staff were also friendly and helpful whenever we needed support.

I would highly recommend Finchley College to anyone looking to study engineering surveying. It's a great place to learn and improve your skills.

**Date of experience:** 24 January 2025

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### What a pleasant experience.

Every part of this course is constructive and useful. Reza is highly knowledgeable, patient and most helpful. I would recommend Finchley College to anyone.

**Date of experience:** 04 November 2024

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### It's a really great college

It's a really great college. I'm doing there my ProQual NVQ Level 3 in Engineering Surveying.

The teachers are very professional and try their best to make you understand the subject. If student struggle in some areas teacher is always trying to put an extra effort to help him to learn or understand it better.

Apart from theory there are lots of practical exercises. You get full training and understanding of working with Leica Total station, dumpy, laser and digital levels, GNSS. Also it is easy to get to - just a few minutes walk from Finchley Central Station.

**Date of experience:** 08 October 2022

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### Pleased with the experience

I have recently been certified my ProQual Level 3 Diploma in Engineering Surveying at Finchley college. I am truly pleased with the experience and the help that has been provided by the team.

They are one of very few that qualify you for this certificate. If you're serious about your engineering career, Finchley college is where you start your journey.

**Date of experience:** 05 August 2024

### Just a really great course

I'm pleased with my experience at Finchley College. The tutors are excellent—knowledgeable, and genuinely passionate about surveying. I was fortunate to have 1-2-1 training which meant I got the best possible training. The course was a mix of theory and practical, which was super helpful.



Reza has a wealth of knowledge that has literally taken a lifetime to accumulate, and I am really grateful for the help and transfer of some of that knowledge.

**Date of experience:** 06 April 2024

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### **ProQual Level 3 Diploma in Engineering Surveying**

I would like to share my experience and recommendations. Recently, I archived my engineering course with Finchley College in 2024 and completed my NVQ L3 Diploma in Surveying and Engineering.

Although I had been in engineering for the last ten years, I needed a formal qualification. I knew most of the things, but I still learned new techniques with the help of Reza and the college team. I am happy with the instructor and the team's experience, knowledge, and friendliness. I highly recommend attending Finchley College for your training. I have taken other courses in the past, but Finchley College training is the best and will give you deep learning in every subject of engineering and surveying. After completing the course, you should be more confident to work on your own, and at the same time, completing the course, you will be able to apply for a professional SCCS card, which no other training provider will give you this benefit.

Good luck to you and the training you may choose to take.

Best Wishes.

Alik @Land Surveyors Limited

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### **Best College for set-out Engineers**

I came across Finchley College on their YouTube channel, where they've put free lecture videos. I decided to join the college and was met with friendly and knowledgeable staff. The program was flexible and adjusted for my learning needs. I was provided with online videos and ebooks, enough to cover all the aspects in order to become a set-out engineer. Arguably, I was offered more study material than the UNI I paid for way more. Having a professor so passionate about their work gave me the confidence to ask even the most trivial of questions to become a better engineer. All the students are welcome to drop by any time after graduation to ask questions that they may face in the field over their career as engineers, I can't remember any other school I've attended that welcomes past students like that. To me this is a big plus and thumbs up to Finchley College.

**Date of experience:** 24 January 2024

**Don't miss out on junior engineer or surveyor job opportunities. Please check the [CV library](#) for setting out site engineer jobs with pay rates of £200 to £350 p/d within a year or two of completing your course.**