

Automotive Education Report

Introduction

The aim of this report is to analyse the numbers undertaking automotive qualifications and those starting automotive apprenticeships in the UK. The report takes data released by the four nation's regulatory bodies:

- OfQual - The Office of Qualifications and Examinations Regulation [England]
- SQA - The Scottish Qualifications Authority [Scotland]
- QiW – Qualifications Wales [Wales]
- CCEA - The Council for Curriculum, Examinations and Assessment [Northern Ireland]

These datasets hold data on the number of certifications awarded for each qualification. This data is released on a quarterly basis, with the most recent being 2022 Q2 (April - June).

Regarding qualification level, the analysis uses England & Wales's qualification levels, and Scottish levels have been mapped to match these.

For apprenticeship starts, we use data released from the Department of Education (DfE) regarding apprenticeship starts and achievement rates in England. Data is released on a monthly basis.

Summary of findings

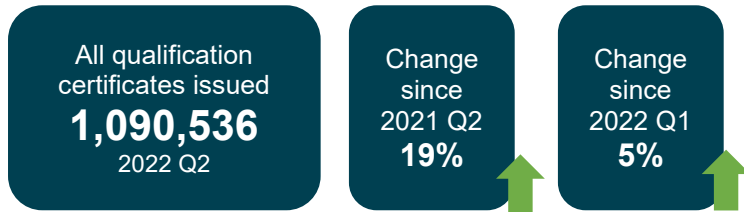
- Overall, all vocational qualifications have decreased by 19% when compared to the same period in 2021.
- The total number of automotive certificates issued in 2022 Q2 was 13,936. This is 25% higher than the same period last year.
- In 2022 Q2, the largest proportion (48%) of automotive qualifications were at Level 3 (or equivalent).
- The top qualification in 2022 q2 was IMI level 3 Award in Electric/Hybrid vehicle system repair and replacement with 2,526 certificates issued, which is 18% of all automotive qualification certificates.
- 38% of automotive qualification certificates issued this quarter were for electric / hybrid qualifications. The second most popular subject is light vehicle maintenance (13%) followed by MOT (12%) and general maintenance (11%).
- In the first six months of 2022, 8,400 technicians undertook electric vehicle qualifications eligible to obtain TechSafe™ professional recognition.
- Unofficial IMI data indicates that the third quarter could also see significant take up, indicating that the number of technicians now qualified to work safely on electric vehicles is estimated at 36,000, the equivalent of 16% of technicians in the UK.
- Provisional data shows that there were 6,755 automotive apprenticeship starts in the year 2021/22, which is 43% higher than the previous year but 13% lower than 2019/20.



- In 2021/22, 64% of apprenticeship starts were supported by ASA levy funds compared to 52% of automotive apprenticeships starts. The proportion of levy funded automotive apprentices has been increasing, from 40% last year and 47% in 2019/20.
- 2021/22 saw Motor Vehicle Service and Maintenance Technician (Light Vehicle) the most popular pathway with 3,082 starts, as it has been for the past 3 years.

Vocational qualification certifications

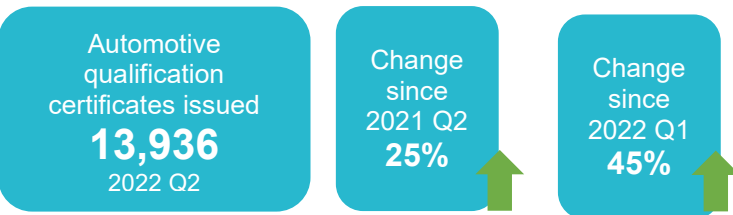
All vocational qualifications



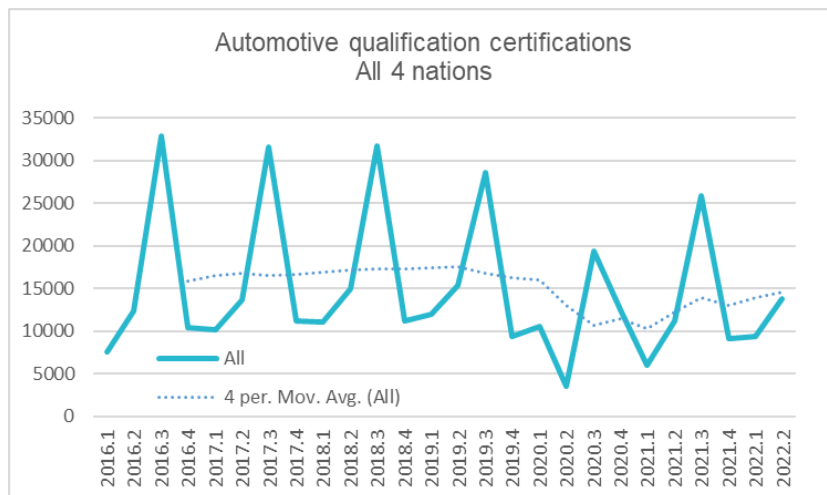
| | No. | %chg 2021 Q2 |
|----------|---------------------------|--------------|
| England | 975,165 | 5% |
| Scotland | <i>Data not available</i> | |
| Wales | 46,775 | -7% |
| N.I | 42,912 | 27% |

The total number of vocational certificates issued in 2022 Q2 was just under 1.1 million. This is 19% higher than the same period last year.

Automotive qualification certifications



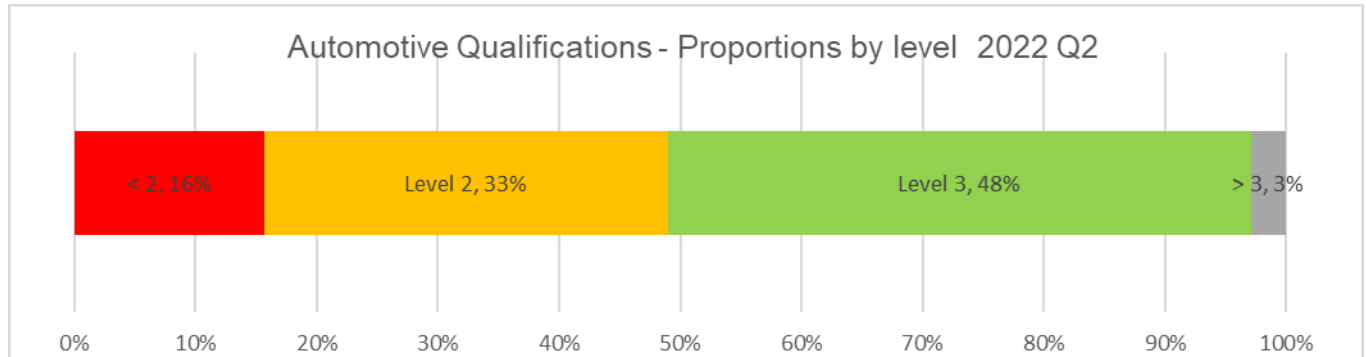
| | No. | %chg 2021 Q2 |
|----------|---------------------------|--------------|
| England | 11940 | 18% |
| Scotland | <i>Data not available</i> | |
| Wales | 730 | 109% |
| N.I | 631 | 58% |



The total number of automotive certificates issued in 2022 Q2 was 13,936.

This is 25% higher than the same period last year.

Automotive qualification certifications – Levels



Automotive qualifications entry & Level 1 certificates issued
2086

Automotive Level 2 certificates qualifications issued
4435

Automotive qualifications Level 3 certificates issued
6399

Automotive qualifications Level 4+ certificates issued
381

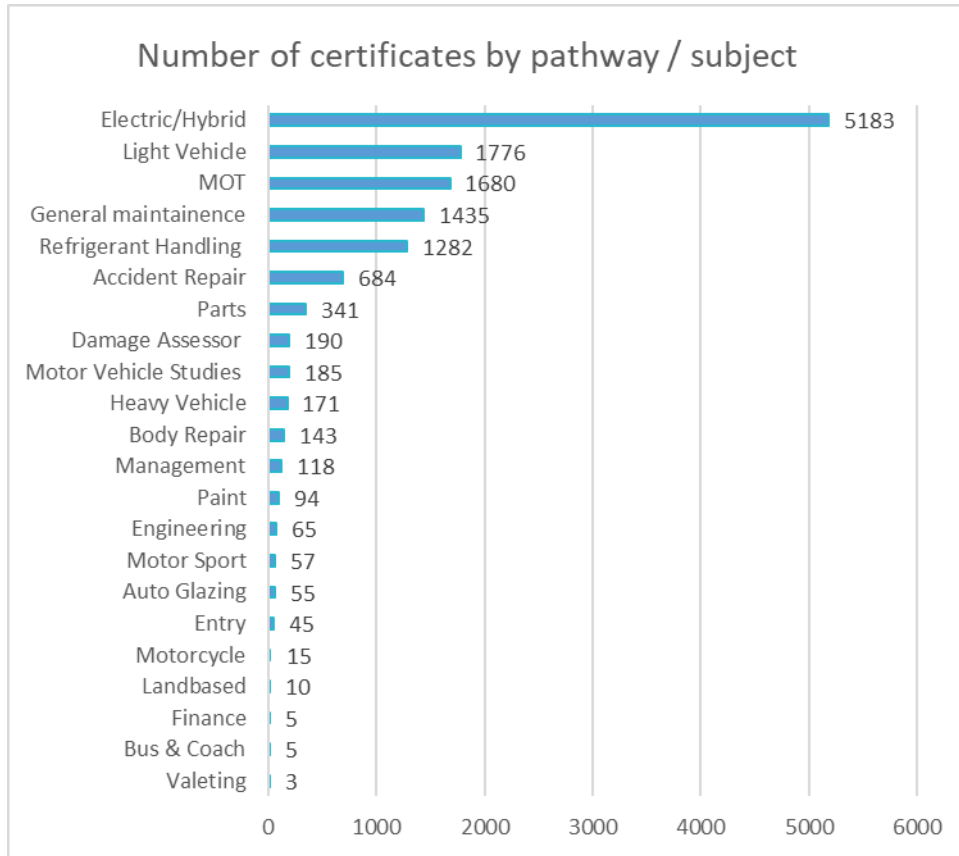
In 2022 Q2, the largest proportion (48%) of automotive qualifications were at Level 3 (or equivalent) with 6399 qualifications at this level, 33% were at Level 2, and 16% were at entry and Level 1.

Top 10 automotive qualifications

| Qualification Title | Level | No. |
|---|---------|------|
| IMI Level 3 Award in Electric/Hybrid Vehicle System Repair and Replacement | Level 3 | 2526 |
| IMI Level 3 Award in Automotive Refrigerant Handling (EC842-2006) (VRQ) | Level 3 | 1267 |
| IMI Level 2 Award in Electric/Hybrid Vehicle Routine Maintenance Activities | Level 2 | 1088 |
| SEG Awards ABC Level 2 Award In MOT Testing (Classes 4 and 7) (VRQ) | Level 2 | 545 |
| IMI Level 2 Award in MOT Testing (Classes 4 and 7) | Level 2 | 455 |
| City & Guilds Level 3 Award in Hybrid Electric Vehicle Repair and Replacement | Level 3 | 365 |
| IMI Level 1 Award in Electric/Hybrid Vehicle Awareness | Level 1 | 360 |
| IMI Level 1 Diploma in Automotive Maintenance | Level 1 | 345 |
| IMI Level 4 Award in the Diagnosis, Testing and Repair of Electric/Hybrid Vehicles and Components (VRQ) | Level 4 | 315 |
| SEG Awards ABC Level 3 Award In MOT Test Centre Management (VRQ) | Level 3 | 275 |

The top qualification in 2022 Q2 was IMI level 3 Award in Electric/Hybrid vehicle system repair and replacement with 2526 certificates issued, which is 18% of all automotive qualification certificates. 54% of all automotive certificates issued this quarter were from these top 10 qualifications.

Automotive qualification certifications – pathways / subject areas



38% of automotive qualification certificates issued this quarter are for electric / hybrid qualifications. The second most popular subject is light vehicle maintenance (13%), followed by MOT (12%) and general maintenance (11%).

IMI TechSafe™

Techsafe™ – official figures from regulators

Electric vehicle qualification certifications eligible to obtain Techsafe™ professional recognition

4731
2022 Q2

Electric vehicle qualification certifications eligible to obtain Techsafe™ professional recognition

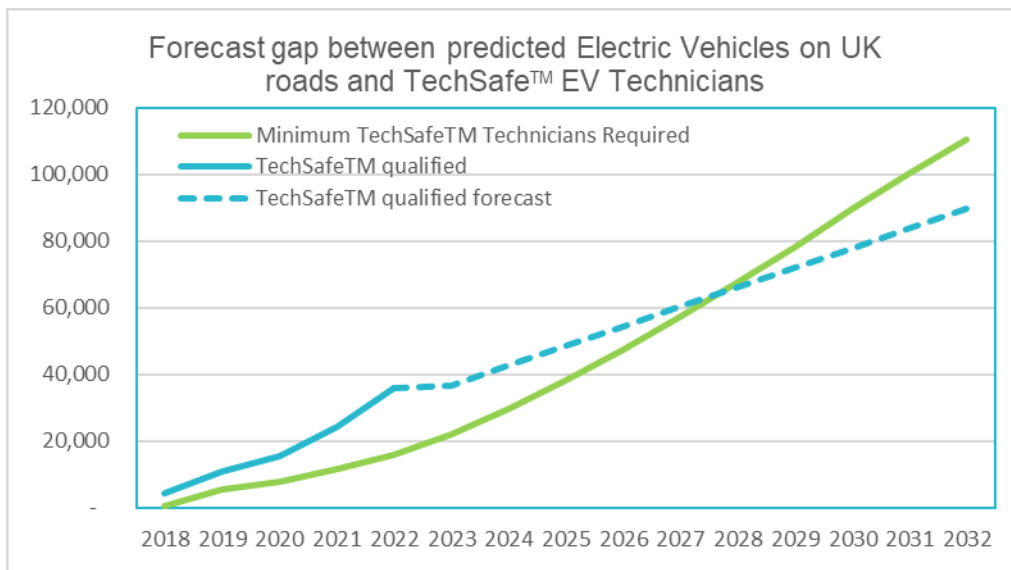
36,000
In total (2016 – 2022 September **)

** Includes IMI data for July to September 2022

Data released by the education regulators (Ofqual, SQA, CCEA, Qualifications Wales) reports that more than 4,700 were certificated in the second quarter of 2022 (April-June). This means that the first six months of 2022, saw 8,400 technicians undertaking electric vehicle qualifications eligible to obtain TechSafe™ professional recognition. Unofficial IMI data indicates that the third quarter could also see significant take up, indicating the number of technicians now qualified to work safely on electric vehicles is estimated at 36,000, the equivalent of 16% of technicians in the UK.

Techsafe™ – forecast

Using the Autotrader total car parc projections, the IMI predicts that the number of TechSafe™ qualified technicians that will be required to work with electric vehicles by 2030 is 90,000, increasing to 111,000 by 2032. Autotrader are predicting that the number of alternative fuel vehicles (AFVs) will make up 37% (12.6 million vehicles) of the total car parc by 2030 and that 26% (9 million vehicle) will be pure EV.



Size of EV qualified technician gap

| 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|------|------|------|------|------|-------|-------|-------|
| 0 | 0 | 0 | 1500 | 6300 | 11600 | 16500 | 20900 |

Size of EV qualified technician gap



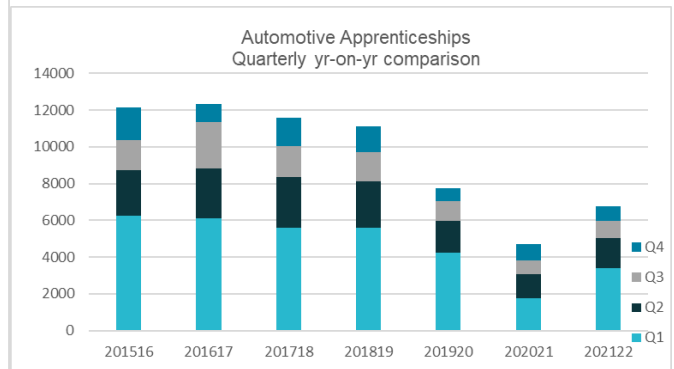
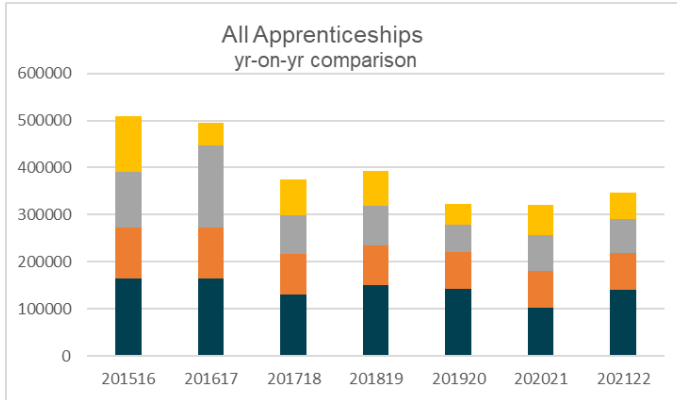
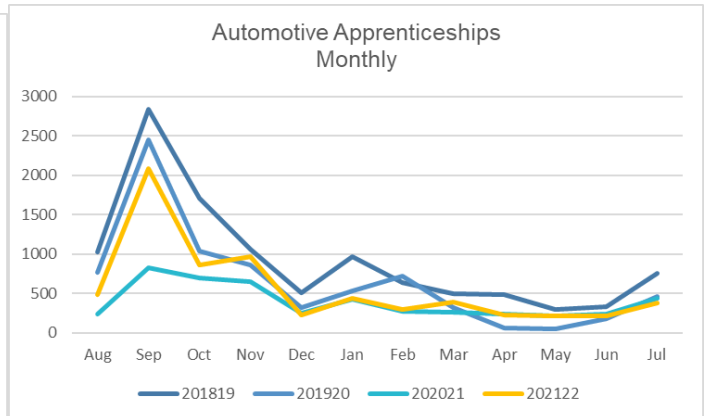
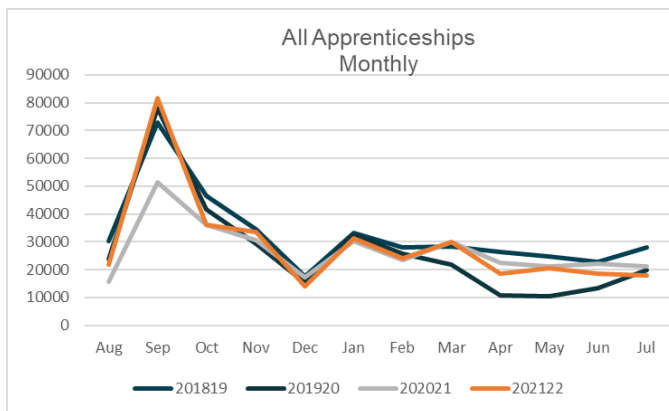
As of September 2022, there were 36,000 qualified TechSafe™ technicians, and using current forecast trends, by 2030, there could be a shortfall of 11,600 qualified technicians. This will risk the safety of technicians and undermine confidence that consumers' electric vehicles can be serviced, maintained, and repaired by a garage with the right skills. This gap increases to 20,900 by 2032. Despite the record take up of EV qualifications, the skills gap could be seen as early as 2028.

Automotive Apprenticeships - England

Apprenticeship Starts

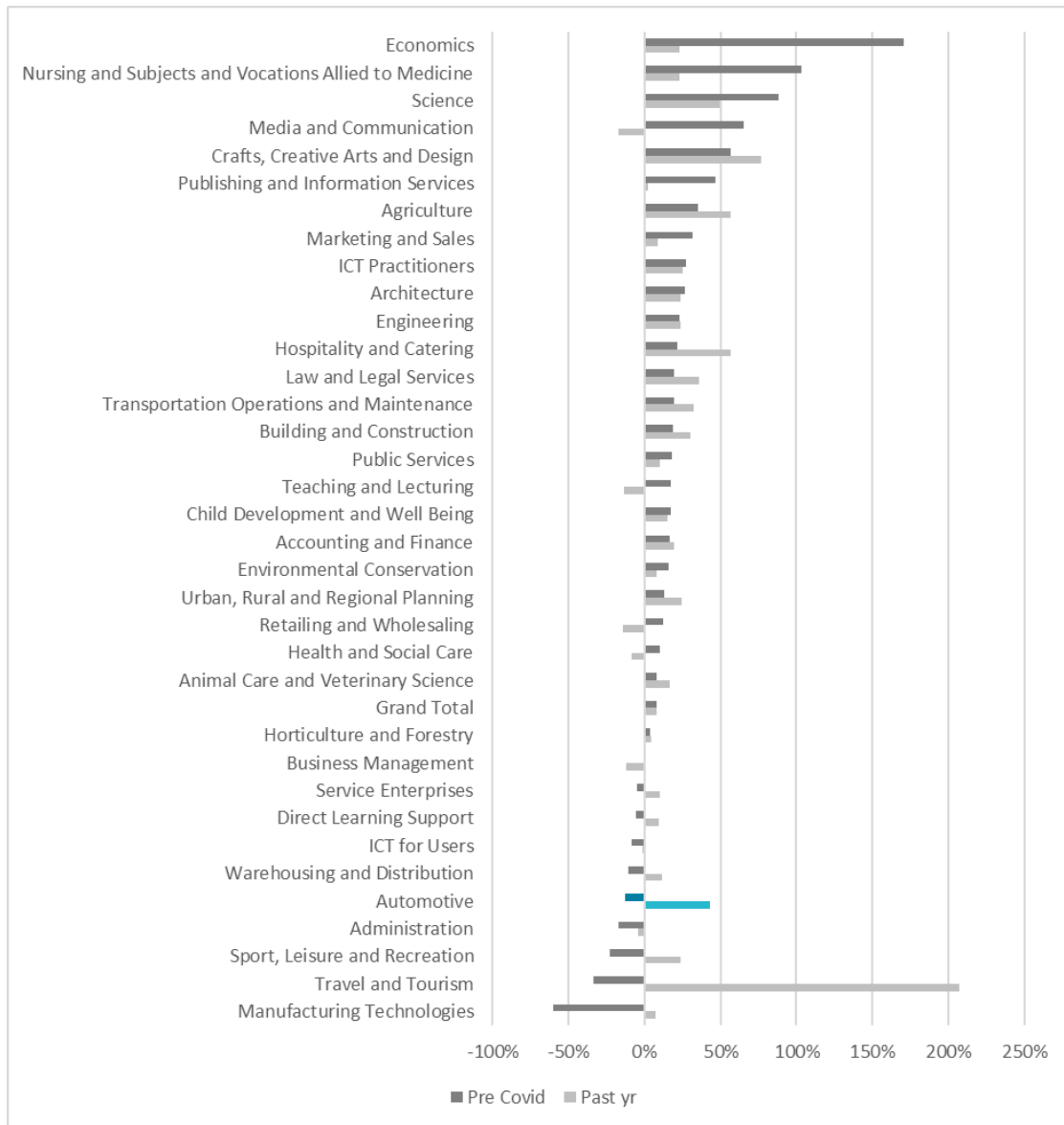
All apprenticeships
2021/22 (Aug – Jul)
347,918

Automotive apprenticeships
2021/22 (Aug – Jul)
6,755



Provisional data shows that there were 6755 automotive apprenticeship starts in the year 2021/22, which is 43% higher than the previous year but 13% lower than 2019/20.

Comparison of apprenticeship subject areas – Full year comparison to last year and 2019/20 (pre covid)



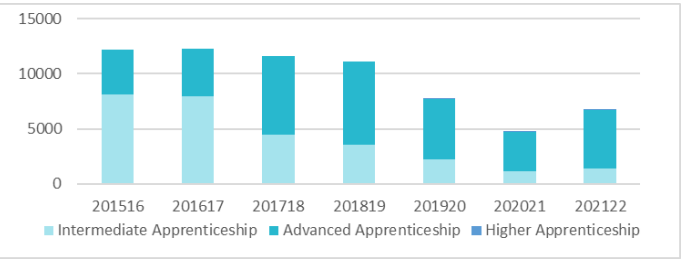
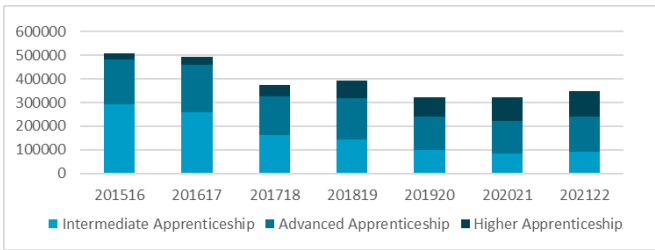
Compared to other industries, automotive has had the 5th largest percentage increase in apprenticeship starts from last year. However, compared to pre covid 2019/20 automotive has the 5th lowest increase.

Apprenticeship starts - level

All apprenticeships 2021/22
43%
Advanced apprenticeship

Automotive apprenticeships 2021/22
79%
Advanced apprenticeship

In 2021/22, 43% (150,775) of apprenticeships were at an advanced level, with 79% (5,366) of all automotive apprenticeships at the same advanced level.

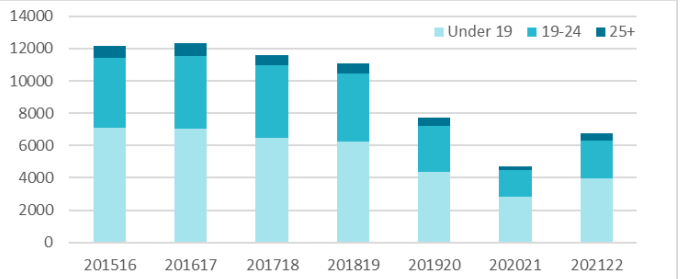
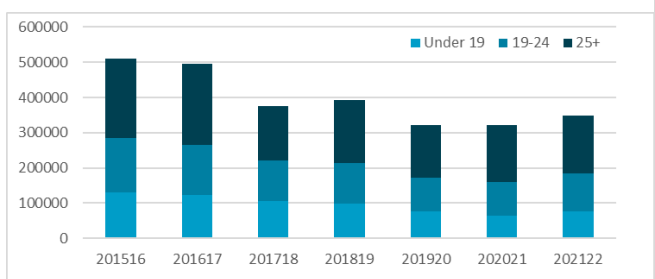


Apprenticeship starts – age profile

All apprenticeships 2020/21
22%
Under 19

Automotive apprenticeships 2020/21
59%
Under 19

In the 2021/22, 22% (77151) of apprenticeship starts were under the age of 19, with 59% (3964) of automotive apprenticeships starts under the age of 19.

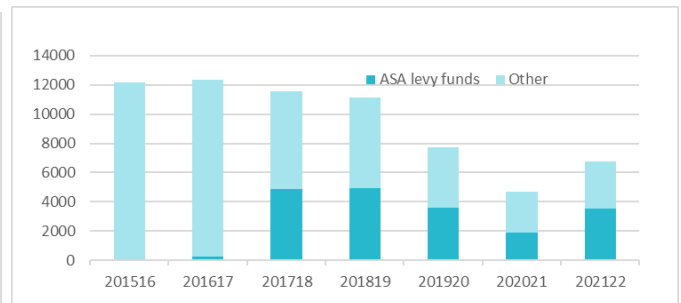
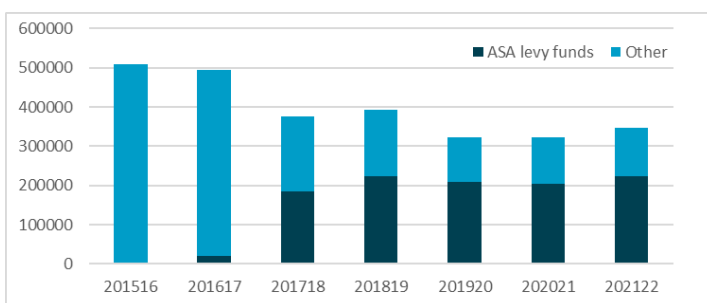


Apprenticeship starts – funding

All apprenticeships 2020/21
64%
Supported by ASA levy funds

Automotive apprenticeships 2020/21
52%
Supported by ASA levy funds

In 2021/22, 64% of apprenticeship starts were supported by ASA levy funds compared to 52% of automotive apprenticeships starts. The proportion of levy funded automotive apprentices has been increasing, from 40% last year and 47% in 2019/20.



Automotive Apprenticeships Pathways

Apprentice starts – Automotive Apprenticeships starts by pathway

| | 2019/20 | 2020/21 | 2021/22 | % chg from last year | % chg from 2019/20 |
|--|---------|---------|---------|--------------------------------|--------------------|
| Framework | | | | | |
| Vehicle Body and Paint Operations | 668 | 22 | * | Numbers too small for analysis | |
| Vehicle Fitting | 28 | * | * | | |
| Vehicle Maintenance and Repair | 2257 | 87 | * | | |
| Vehicle Parts Operations | 309 | 5 | * | | |
| Vehicle Restoration | * | 0 | * | | |
| Vehicle Sales | 29 | 0 | 0 | | |
| Standard | | | | | |
| Accident Repair Technician | 63 | 71 | 118 | 66% | 87% |
| Autocare Technician | 743 | 1081 | 1349 | 25% | 82% |
| Bus and Coach Engineering Technician | 223 | 109 | 273 | 150% | 22% |
| Heavy Vehicle Service and Maintenance Technician | 980 | 916 | 1133 | 24% | 16% |
| Motor Finance Specialist | | 14 | | Numbers too small for analysis | |
| Motor Vehicle Service and Maintenance Technician (Light Vehicle) | 2184 | 2046 | 3082 | 51% | 41% |
| Motorcycle Technician (Repair and Maintenance) | 19 | 11 | 59 | Numbers too small for analysis | |
| Specialist Tyre Operative | 19 | * | | Numbers too small for analysis | |
| Vehicle Damage Assessor | 13 | 15 | 34 | 127% | 162% |
| Vehicle Damage Mechanical, Electrical and Trim (MET) Technician | 26 | 17 | 111 | 553% | 327% |
| Vehicle Damage Paint Technician | 108 | 232 | 397 | 71% | 268% |
| Vehicle Damage Panel Technician | 65 | 79 | 182 | 130% | 180% |

2021/22 saw Motor Vehicle Service and Maintenance Technician (Light Vehicle) the most popular pathway with 3,082 starts, as it has been for the past 3 years. Compared to previous years, this pathway has increased 51% from last year and 41% from 2019/20. The largest increase since 2019/20 has been Vehicle Damage Mechanical, Electrical and Trim (MET) Technician, which has tripled the amount of starts.

Data Sources

OfQual (England) - Vocational qualifications dataset [Certificates awarded for all vocational qualifications (excluding GCSEs, AS levels and A levels)] 2022 Quarter 2

QiW (Wales) – Vocational and Other Qualifications Quarterly: [A quarterly release that presents data on vocational and other qualification certifications for Wales for the latest quarter] 2022 Quarter 2

Cea (Northern Ireland) - Technical and Professional Qualifications Bulletin: 2022 Quarter 2

DfE - Apprenticeships and Traineeships, England - data released 13th October