



# KFE T Level Conference

KFE T Level Conference – 13/05/2022

1. Overview of the Institute's role
2. Keeping T Levels up to date (including sustainability)
3. Work on T Level progression (including occupational maps)
4. Overview of T Level communications and marketing



**Institute for Apprenticeships  
& Technical Education**

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# 1. Overview of the Institute's role

- The Institute for Apprenticeships was established in 2017 and then took on responsibility for technical education in 2018 - becoming “the Institute for Apprenticeships and Technical Education”.
- **We are an employer-led organisation.** Our vision is for a world-leading apprenticeships and technical education system, that equips people from all backgrounds for skilled occupations contributing to increased economic productivity.
- We oversee the **development, approval and publication of apprenticeship standards and assessment plans.**
- The Institute also has responsibility for **T Level Technical Qualifications**, which are the main, classroom-based elements of T Levels.
- As well as with apprenticeships, the Institute’s work on T Levels sits within a wider context – all of which impacts on progression from T Levels:

## Higher Technical Qualifications (HTQs)

- The Institute has launched an opt-in approval scheme for new and existing level 4 and 5 technical qualifications, which will **recognise Higher Technical Qualifications that provide the skills that employers want.**
- This is to ensure that learners and employers can have confidence in high-quality qualifications that provide the skills they need to succeed, whether they are taught in a further education college, a university or an independent training provider.

## Level 2 and 3

- The new level 2 and 3 landscape, with employers playing a central role, aims to achieve a simplified system of **high-quality** qualifications; clearer **progression** pathways; and stronger links between the classroom and the workplace.

# T Levels rollout

T Levels from September 2020	Wave 1
Digital	<ul style="list-style-type: none"> <li>Digital Production, Design and Development</li> </ul>
Education and Childcare	<ul style="list-style-type: none"> <li>Education and Childcare</li> </ul>
Construction	<ul style="list-style-type: none"> <li>Design, Surveying and Planning for Construction</li> </ul>
T Levels from September 2021	Wave 2
Digital	<ul style="list-style-type: none"> <li>Digital Support and Services</li> <li>Digital Business Services</li> </ul>
Construction	<ul style="list-style-type: none"> <li>Onsite Construction</li> <li>Building Services Engineering for Construction</li> </ul>
Health and Science	<ul style="list-style-type: none"> <li>Health</li> <li>Healthcare Science</li> <li>Science</li> </ul>

T Levels from September 2022	Wave 3
Business and Administration	<ul style="list-style-type: none"> <li>Management and Administration</li> </ul>
Engineering and Manufacturing	<ul style="list-style-type: none"> <li>Design and Development for Engineering and Manufacturing</li> <li>Maintenance, Installation and Repair for Engineering and Manufacturing</li> <li>Engineering, Manufacturing, Processing and Control</li> </ul>
Legal, Finance and Accounting	<ul style="list-style-type: none"> <li>Accounting</li> <li>Finance</li> </ul>
T Levels from September 2023	Wave 4
Hair and Beauty	<ul style="list-style-type: none"> <li>Hairdressing, Barbering and Beauty Therapy</li> </ul>
Catering and Hospitality	<ul style="list-style-type: none"> <li>Catering</li> </ul>
Agriculture, Environmental and Animal Care	<ul style="list-style-type: none"> <li>Animal Care and Management</li> <li>Agriculture, Land Management and Production</li> </ul>
Creative and Design	<ul style="list-style-type: none"> <li>Craft and Design</li> <li>Media, Broadcast and Production</li> </ul>
Legal, Finance and Accounting	<ul style="list-style-type: none"> <li>Legal Services</li> </ul>

# Higher Technical Qualifications

- Level 4/5 Higher Technical Qualifications (HTQs) are based on [occupational standards](#).
- To be approved, a Higher Technical Qualification must ensure a person can demonstrate they have attained as many of the outcomes set out in the standard(s) as may reasonably be expected to be attained by undertaking a course of education.
- The Higher Technical Qualifications currently approved by the Institute are set out at the link. All approved Higher Technical Qualifications must continue to meet all the Institute's approval criteria.
- HTQs may be a progression pathway from T Levels.

<https://www.instituteforapprenticeships.org/higher-technical-qualifications/>

Extract:

APPLICANT	QUALIFICATION - LINK FOR DETAILS	PATHWAY	AWARDING BODY	ALIGNED OCCUPATION
Blackpool and The Fylde College	<u><a href="#">FdSc Network Engineering (Systems Administration)</a></u>	n/a	Lancaster University	<u><a href="#">Network Engineer Level 4</a></u>
Exeter College	<u><a href="#">HND Applied Computing</a></u>	n/a	University of Plymouth	<u><a href="#">Network Engineer Level 4</a></u>
Leeds City College	<u><a href="#">FD Cyber Security</a></u>	n/a	Leeds City College	<u><a href="#">Cyber Security Technologist Level 4 (Cyber Security Engineer, Cyber Risk Analyst, Cyber Defend and Respond)</a></u> <u><a href="#">Network Engineer Level 4</a></u>
Leeds City College	<u><a href="#">FD Software Development</a></u>	n/a	Leeds City College	<u><a href="#">Software Developer Level 4</a></u> <u><a href="#">Software Tester Level 4</a></u>

# Level 2/3 reforms

- As part of the rollout, **a small number of qualifications that overlap with T Levels are being retired** to ensure young people have access to clearer, high-quality options, alongside T Levels and A levels.
- This will help students to find the courses that give them the skills needed to progress and get a good job more easily, rather than wasting time searching through lots of different duplicate courses, helping the economy to recover and grow to tackle the cost of living.
- **A provisional list of 160 level 3 qualifications has been published**, out of over 2,000 qualifications, representing a small proportion of the options available at this level (deemed to overlap with wave 1-2 T Levels – and applies from September 2024).
- This forms a key part of wider technical education reforms.

<https://www.gov.uk/government/news/t-level-rollout-takes-next-steps>

Extract:

Qualification number	Title	Awarding organisation
50034765	City & Guilds Level 3 Certificate in ICT Systems	City and Guilds of London Institute
50066882	City & Guilds Level 3 Diploma for IT Users (ITQ)	City and Guilds of London Institute
50091499	Pearson BTEC Level 3 Extended Diploma in IT	Pearson Education Ltd
50091505	Pearson BTEC Level 3 Diploma in IT (QCF)	Pearson Education Ltd
50102771	City & Guilds Level 3 Diploma in ICT Systems a	City and Guilds of London Institute
50111231	City & Guilds Level 3 Certificate in Supporting T	City and Guilds of London Institute
50112089	Pearson Edexcel Level 3 Diploma in Specialist	Pearson Education Ltd
50112910	Pearson BTEC Level 3 Diploma in Professional	Pearson Education Ltd
50114359	Pearson BTEC Level 3 Diploma in ICT Systems	Pearson Education Ltd
50114360	Pearson BTEC Level 3 Certificate in ICT System	Pearson Education Ltd
50115856	City & Guilds Level 3 Diploma in ICT Systems S	City and Guilds of London Institute
50116058	EAL Level 3 NVQ Diploma in Installing Electrote	Excellence, Achievement & Learning Limited
50116241	City & Guilds Level 3 NVQ Diploma in Electrote	City and Guilds of London Institute
50117889	City & Guilds Level 3 Diploma in ICT Profession	City and Guilds of London Institute
50122320	City & Guilds Level 3 NVQ Diploma in Installing	City and Guilds of London Institute

## **2. Keeping T Levels up to date (including sustainability)**

## T Level qualification

- Approximately 1,800 hours over two years.
- Students will need to achieve all elements to receive their T Level certificate.
- Subject content is set by T Level employer panels, developed by Awarding Organisations (AOs), and approved by the Institute for Apprenticeships & Technical Education ("the Institute"). The Institute then oversees the delivery of the qualifications to providers by AOs.



### Technical Qualification (TQ)

Between 900-1400 hours and undertaken in a college- / school-based setting

#### Core Component

- Up to half of the qualification
- Knowledge and understanding of the concepts, theories and principles relevant to the T Level and the broader route.
- Core skills relevant to the T Level.
- Assessed through an external examination, and a substantial employer set project (ESP) undertaken in the classroom setting and set by Awarding Organisation (AO) employer panels.

#### Occupational Specialism(s)

- At least half of the qualification
- Knowledge, skills and behaviours required to enter employment in that occupational specialism.
- Maths, English and digital competence integrated where relevant.
- Students typically take one occupational specialism.
- Assessed synoptically through rigorous practical assignments.

#### T Level Industry Placement

- Undertaken in an employer setting.
- Minimum of 45 days, between 315-420 hours.
- Students develop and apply their technical skills and knowledge in a workplace environment
- Support for travel and subsistence costs is available but employers are not expected to pay students.

#### Other Requirements

- T Level panels may set occupation-specific requirements, if they are essential for skilled employment, e.g. a licence to practise qualification or professional qualification.

# Sustainability in standards

- **Updating apprenticeships to reflect sustainability and net carbon zero** - using ideas for knowledge, skills and behaviours statements from the Institute / BEIS sustainability framework.
- Identifying gaps for green occupations in the market now and in the future.
- **Ensuring that we align the T Level qualifications to the updated occupational standards.**



- 12k workers need to be trained in retrofit each year
  - 20k jobs created in improving flood defences
- 10k heat pump installers need to be trained each year
- 50k+ will be trained to support EV production
  - 70k workers needed in offshore wind
  - 8k jobs needed in low carbon hydrogen
    - 2k jobs created in afforestation

410,000

Estimated green jobs already in 2019

6m

Number of jobs expected to be impacted by the transition\*

£12bn

Mobilised by the government's 10 point plan

250,000

Green jobs created by the government's 10 point plan

Heat and buildings, Power, Transport

Sectors with most jobs created by ten point plan

<https://www.instituteforapprenticeships.org/developing-new-apprenticeships/resources/sustainability-framework/>

## **3. T Level progression (including occupational maps)**

# Occupational maps

- The Occupational Maps **organise occupational standards with related Knowledge, Skills and Behaviours (KSBs) into Routes, Pathways and Clusters**, making it easier to identify similar training needs and opportunities within Routes.
- The occupational maps are the cornerstone of our reforms. The Institute intends to extend the scope of the maps to deliver the ambition of the reform programme, cover all technical education programmes and meet the needs of various user groups.
- Over time, they will include T Levels and other technical qualifications.

<https://www.instituteforapprenticeships.org/occupational-maps/>

The screenshot shows the 'Occupational Maps' website interface. At the top, there is a blue header with the text 'OCCUPATIONAL MAPS'. Below the header, a paragraph explains that all Apprenticeships and T Levels are based on occupations recognised by employers, and the Occupational Maps bring these together to show where technical education can lead. There are 15 maps, one for each route. A search box is provided with the placeholder text 'Search for an occupation' and a green 'Search' button. Below the search box, there are three columns of controls: 'Map key' with icons for 'Potential apprenticeship standard', 'Standard in development', and 'Approved for delivery', and a link to '(L+number) Occupational level' and 'Find out more about occupational maps'; 'To print/save as PDF' with instructions on how to use the page layout tool and a printer icon; and 'To show or hide the components of the maps' with instructions on how to control the visibility of the maps content and two buttons: 'Show all pathways' and 'Hide all occupations'. Below these controls, there are four rows of occupational maps, each with a representative image, a title, a green downward arrow, and two icons (a share icon and a printer icon). The rows are: 'Agriculture, environmental and animal care' (image of a tractor in a field), 'Business and administration' (image of a man in a white shirt working at a computer), 'Care services' (image of hands clasped together), and 'Catering and hospitality' (image of a dining table set for a meal).

**T-LEVELS**

Move to the  
next level

## Apprenticeships

- Many T Level students will be able to move on from their course to a relevant apprenticeship at level 4 or above.
- In some cases a student might want the opportunity to work in a different or more specialist area, which might mean taking an apprenticeship at level 3 or below. This would take into account the prior learning gained through completion of a T Level (while still needing to meet the minimum 12 month duration).
- A T Level student would be able to move on to an apprenticeship at the same or lower level than a qualification they already hold, if the apprenticeship allows the individual to acquire substantive new skills and the content of the training is materially different from any prior qualification or a previous apprenticeship.

## Further and Higher Technical Education

- T Levels will provide a route to higher technical education at levels 4-6.
- Higher Education (HE) providers set their own admissions criteria. Discussions are ongoing with universities and other HE providers about the HE courses a T Level student would be suited for.
- T levels attract UCAS points, in line with A Levels. This will support progression into HE and help HE providers align T Levels with other qualifications in their offer.

## Skilled employment

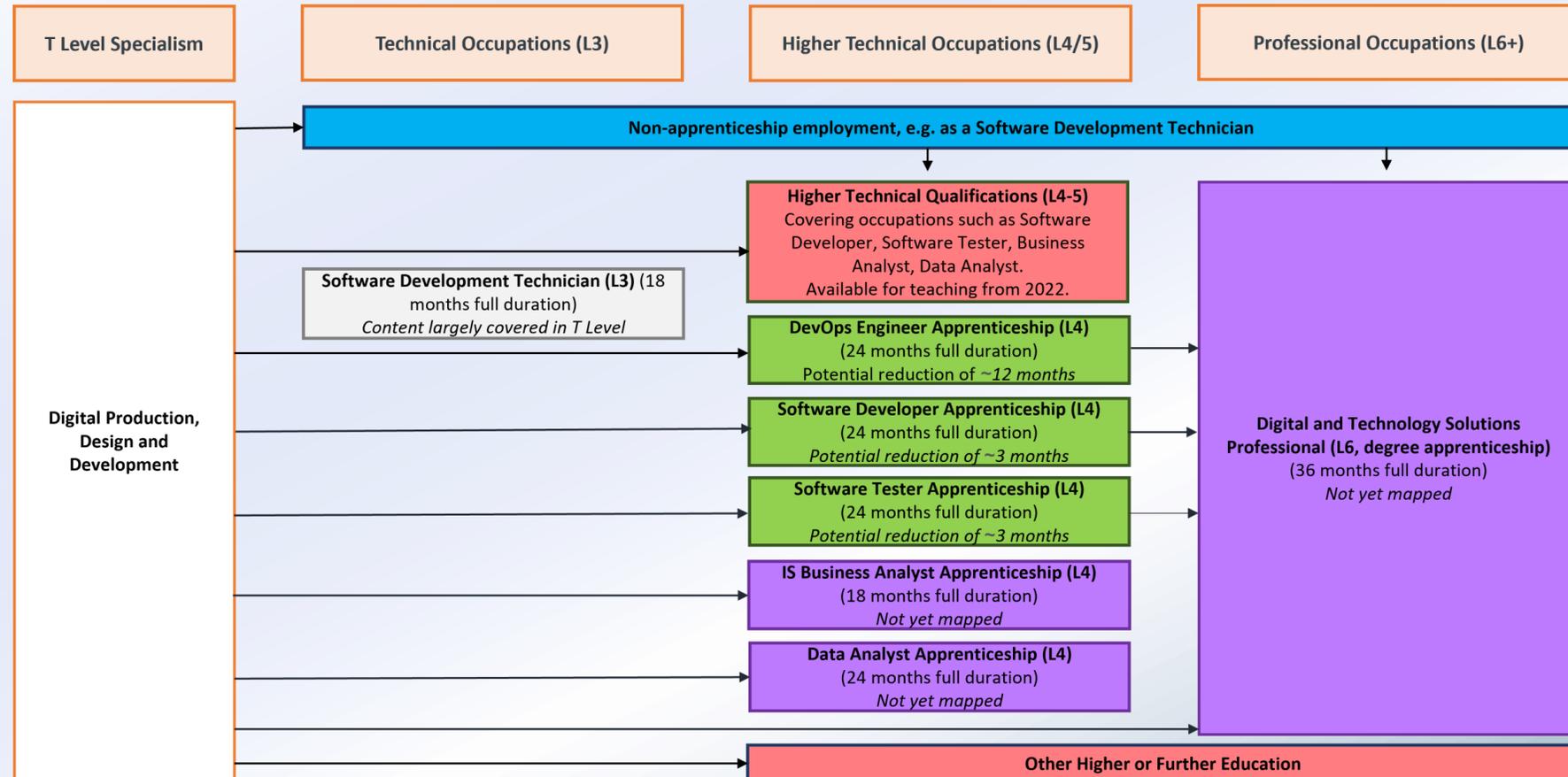
- T Level content has been designed by employers to facilitate direct progression into skilled employment.
- Core content provides underpinning knowledge and breadth of skills to support adaptability.
- Occupational Specialisms develop technical competence.
- Industry Placement provides direct experience with employers, builds attitudes and behaviours and takes technical competence further.

- The Institute has developed [progression profiles](#).

<https://www.gov.uk/government/publications/t-level-resources-for-universities>

- The progression profiles give providers, students, career advisors and parents a tool to discuss career options, whether that be supporting them to select the right T Level or to help them decide next steps after completing the T Level.
- They indicate to providers and employers the areas a learner may need to develop following the T Level to reach full competence.
- They promote a wide range of options for T Level students, including apprenticeships, FE/HE options, and employment.

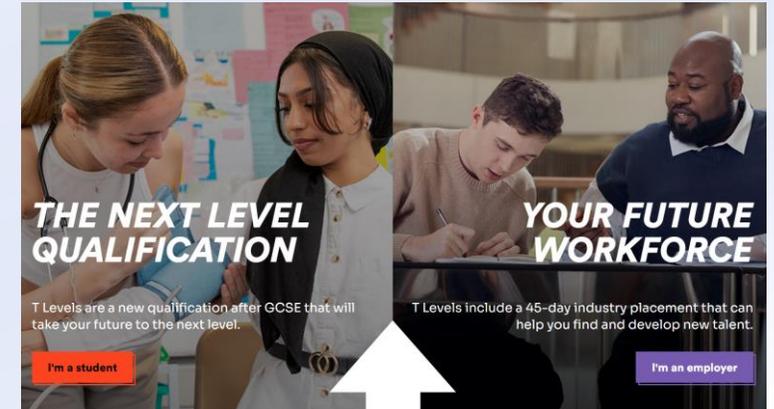
## DIGITAL PRODUCTION, DESIGN AND DEVELOPMENT: Digital production, design and development



## **4. Overview of T Level communications and marketing**

# DfE T Level communications

- The first T Level campaign launched in October 2019 – alongside the T Levels website: [www.tlevels.gov.uk](http://www.tlevels.gov.uk)
- Activity has been national but with a particular focus on provider areas. Social media, video on demand etc have been specifically targeted at potential students and parents of 14-16s
- An employer campaign launched in late 2020, sharing what T Levels are and how they apply to employers, using display and social media advertising
- We are stepping up engagement with schools, targeting T Level feeder schools and developing new resources for careers advisers through the Apprenticeships Support and Knowledge programme
- In January 2022 - [Get the Jump](#) campaign launched, supporting young people to make informed choices about all their options for learning, training and work and will include the continuation of T Level awareness raising
- First students to complete their T Levels – first T Levels results day 18th August 2022



**Thank you**



**Institute for Apprenticeships  
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**Tom Riley**

**Head of the Programme Management Office (PMO),  
Institute Delivery Group**

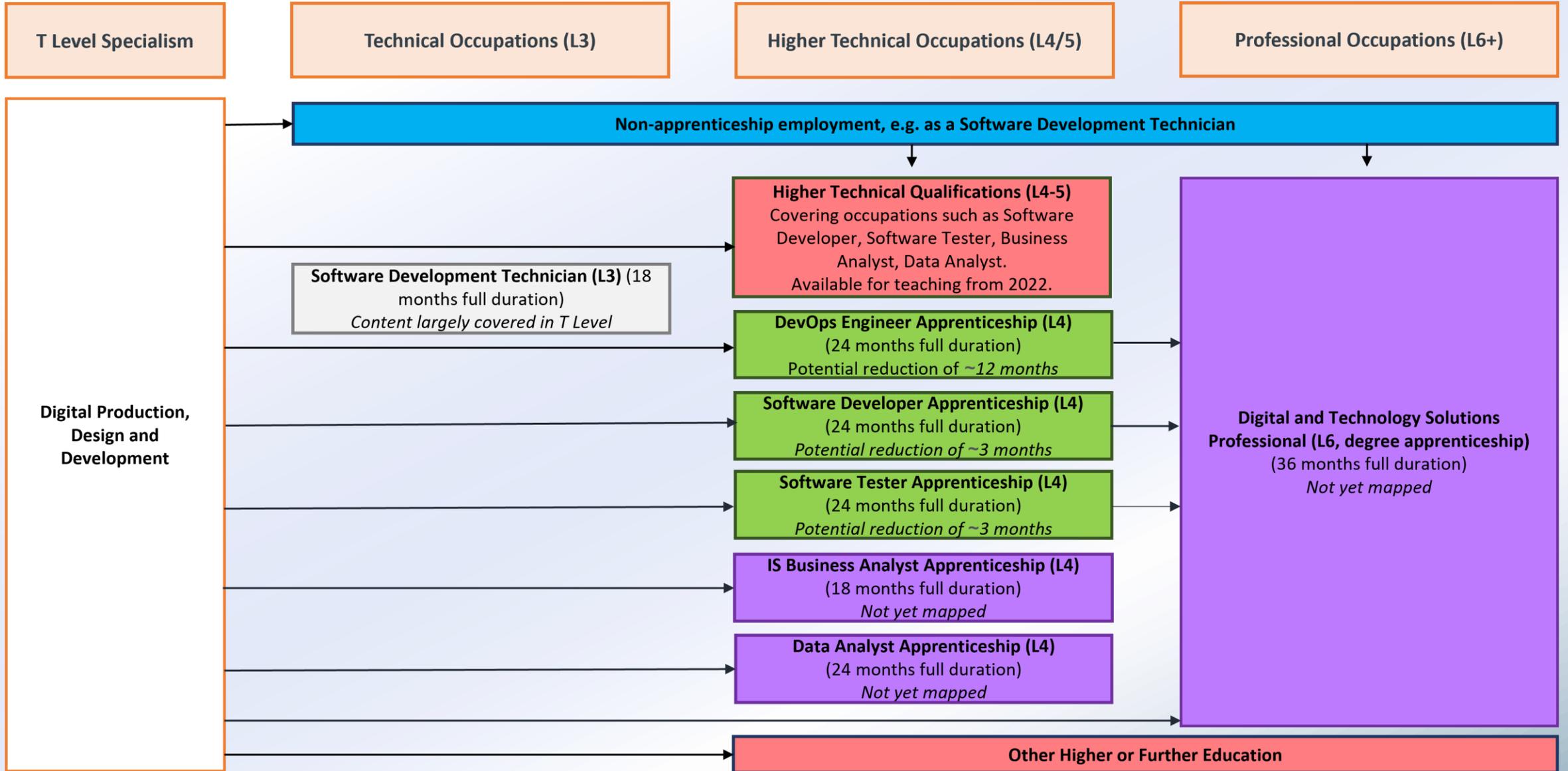
**M 07384 521381 E [tom.riley@education.gov.uk](mailto:tom.riley@education.gov.uk)**

# Annexes – Wave 1 progression profiles (for reference only)

These are updated periodically, so always check:

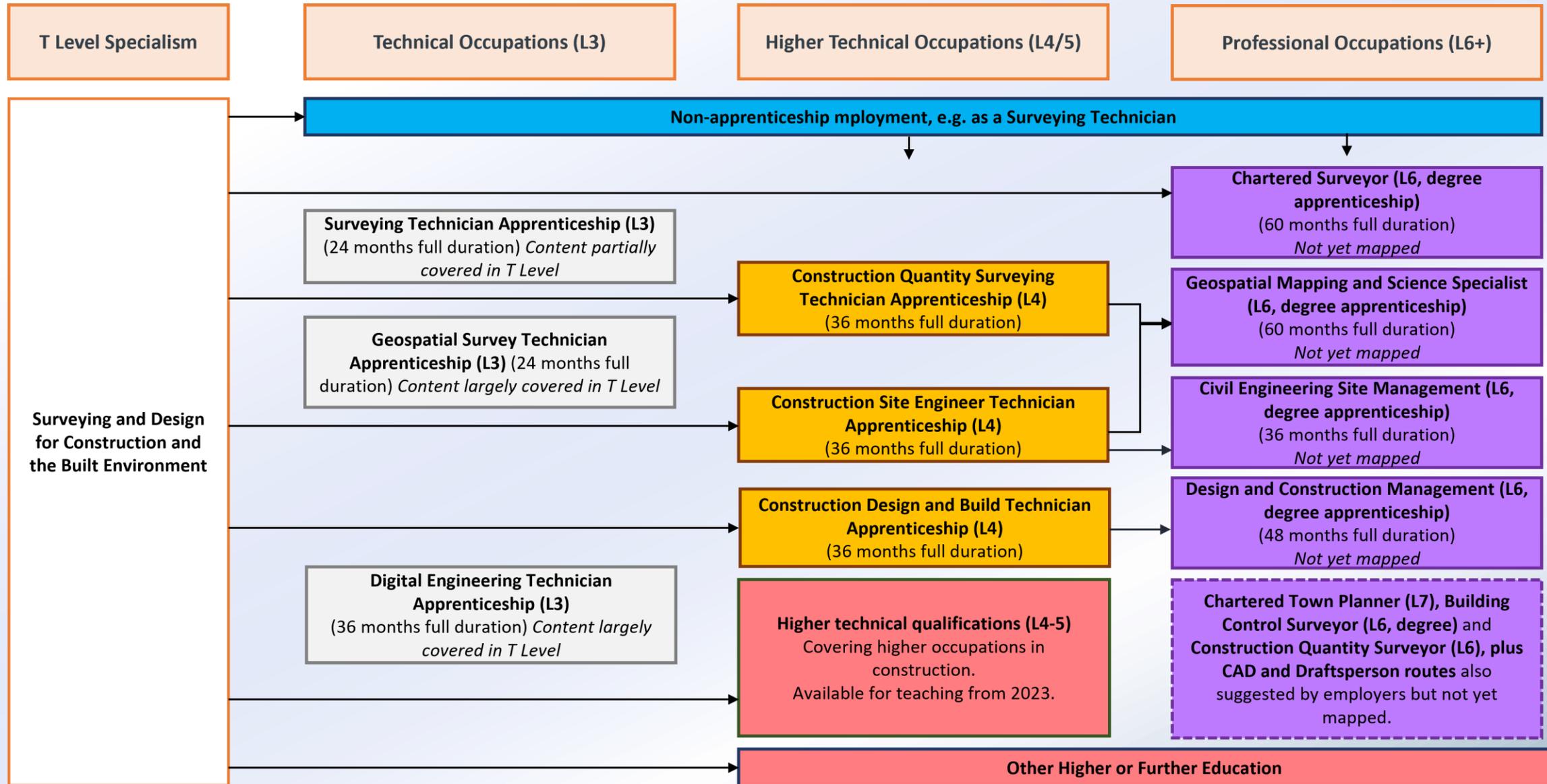
<https://www.instituteforapprenticeships.org/t-levels/t-level-progression-profiles/>

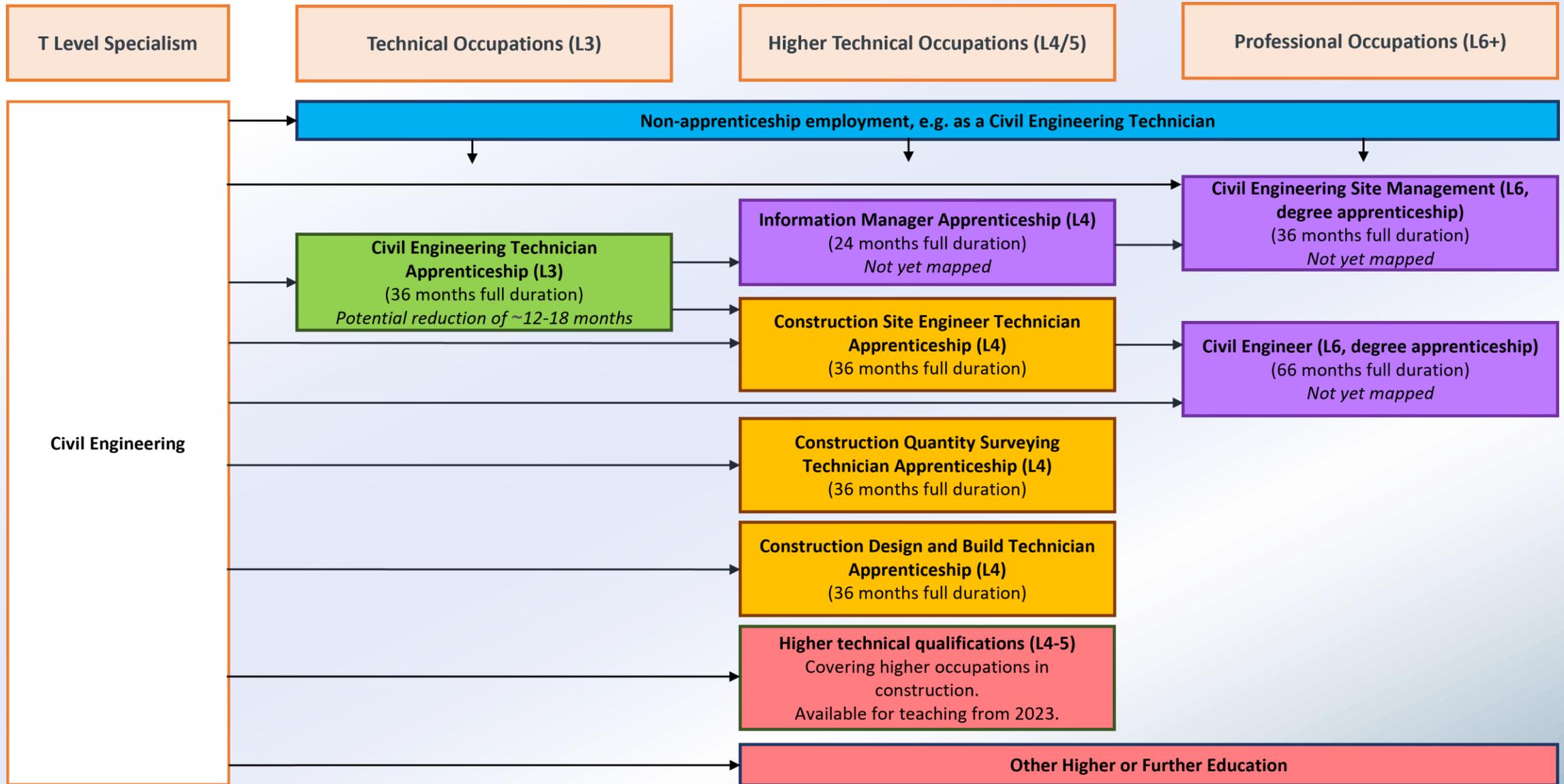
# DIGITAL PRODUCTION, DESIGN AND DEVELOPMENT: Digital production, design and development

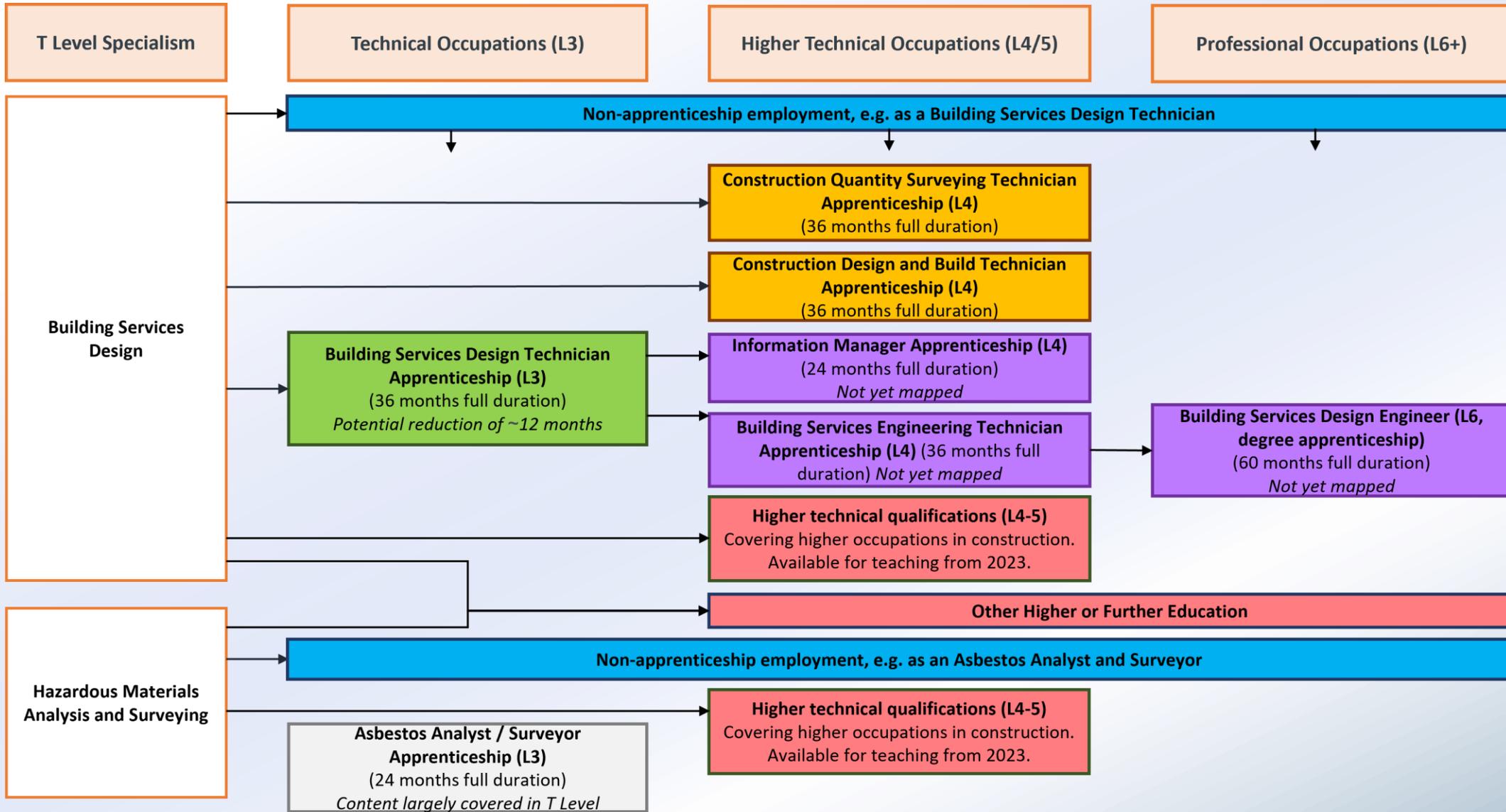


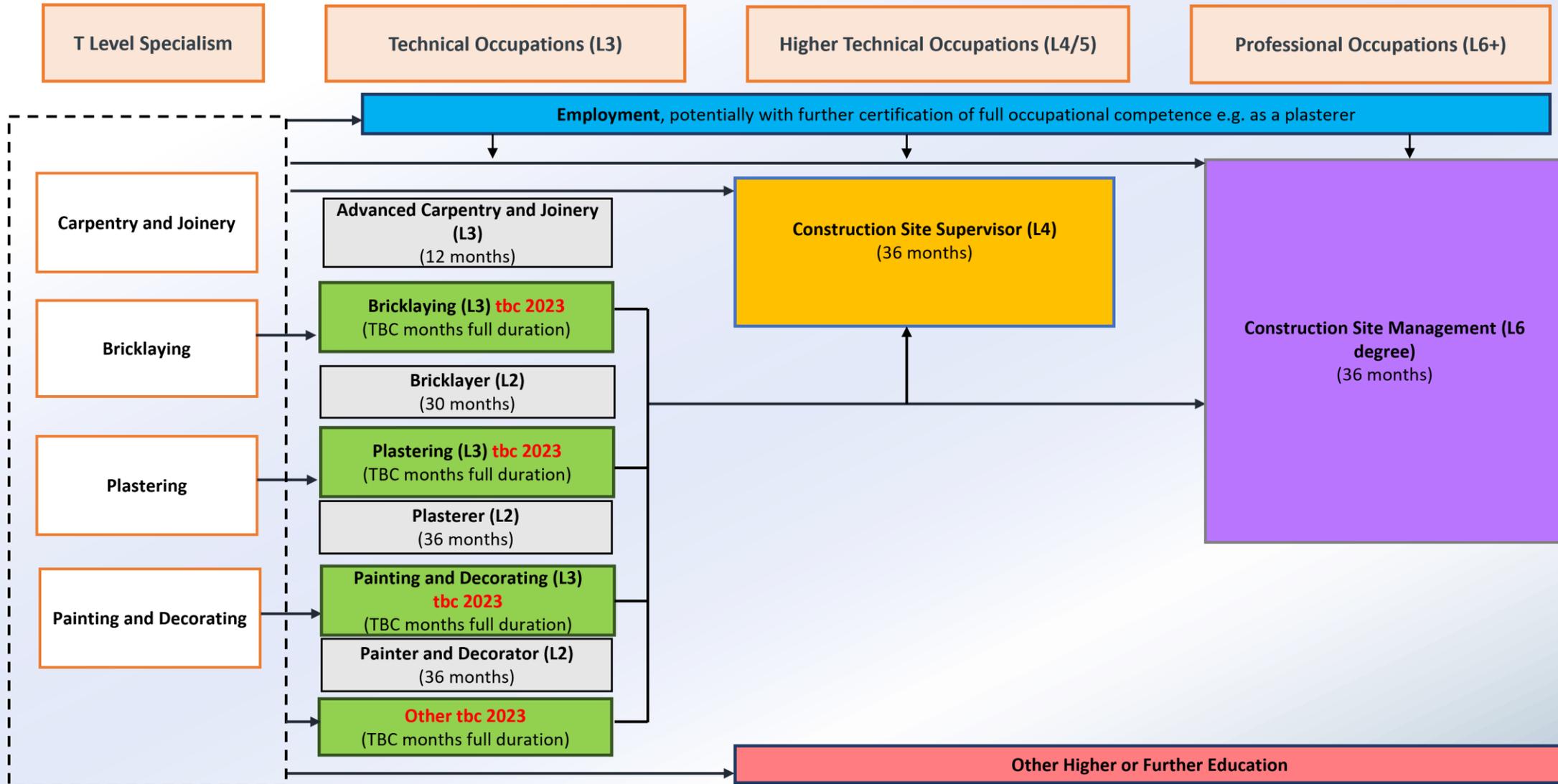
# DESIGN, SURVEYING & PLANNING FOR CONSTRUCTION

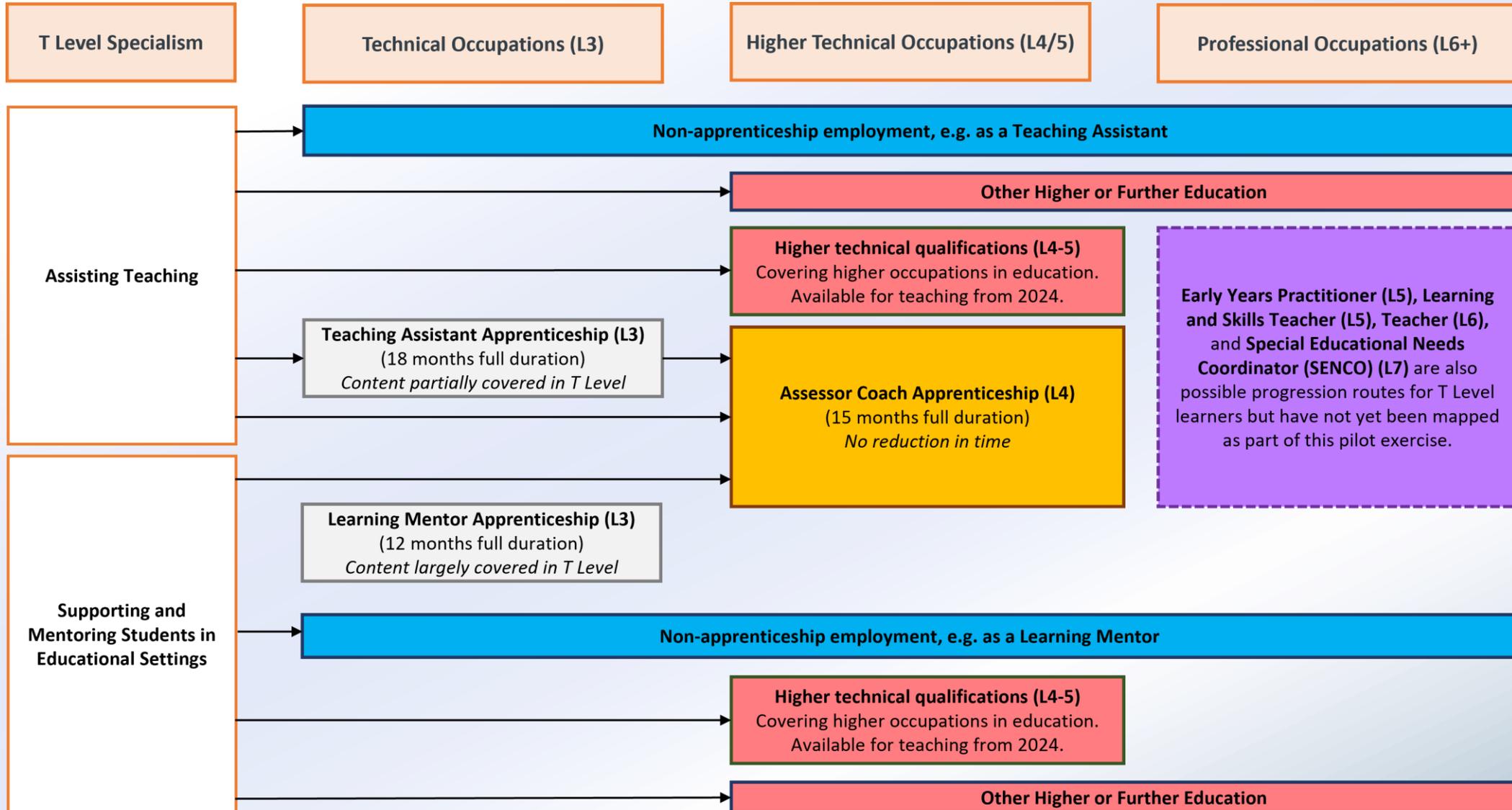
## Surveying and design for construction and the built environment





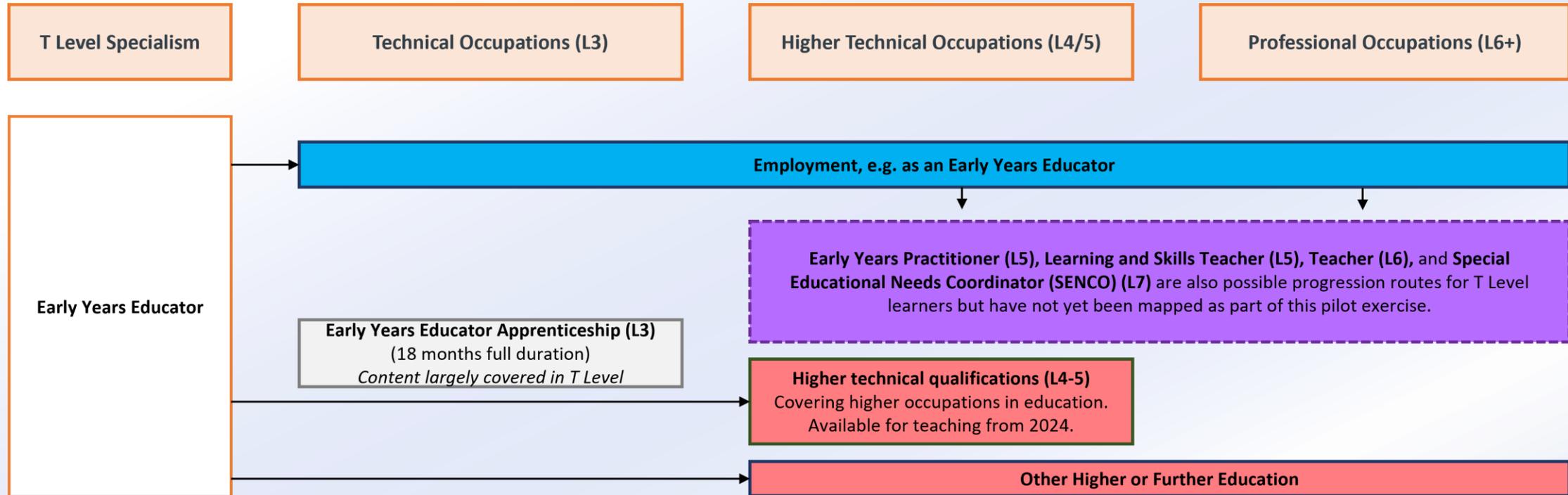






# EDUCATION AND CHILDCARE

## Early years educator



# T Level grade look-up tables for wave 2 TQs

We published look-up tables for wave 1 T Levels in the 2020 Action Plan. Based on the proportional GLH of the Core and Occupational Specialisms, the look-up tables for wave 2 TQs will be as follows:

- |   |   |
|---|---|
| <p><b>Health and Science: Health</b></p> <p><b>Health and Science: Health Care Science</b></p> <p><b>Digital Support Services</b></p> <p><b>Digital Business Services</b></p> | <p><b>Onsite Construction</b></p> <p><b>Building Services Engineering</b></p> <p><b>Health and Science: Science</b></p> |
|---|---|

	Distinction	Merit	Pass
A*	Distinction *	Distinction	Distinction
A	Distinction	Distinction	Merit
B	Distinction	Merit	Merit
C	Merit	Merit	Pass
D	Merit	Pass	Pass
E	Pass	Pass	Pass

**Core 50%/Occupational Specialism(s) 50%**

	Distinction	Merit	Pass
A*	Distinction *	Distinction	Merit
A	Distinction	Distinction	Merit
B	Distinction	Merit	Merit
C	Distinction	Merit	Pass
D	Merit	Pass	Pass
E	Pass	Pass	Pass

**Core 40%/Occupational Specialism(s) 60%**