Space Skills Dashboard

The Space Partnership has developed the Space Skills Dashboard to collate relevant datasets from education through to the space workforce to provide a shared evidence base to inform discussions at the Space Skills Advisory Panel (SSAP) and across the wider UK space sector.

Space Partnership

Last updated: 5 November 2026

Background

The Space Partnership has developed the Space Skills Dashboard with the support of the Space Skills Advisory Panel (SSAP) over the last 12 months.

Unless otherwise stated, all data presented is UK-wide. A full list of assumptions and caveats can be found in Appendix B: Methodology.
The dashboard will be updated and shared on the Space Partnership website twice a year to reflect the latest available data.

The dashboard includes three high-level overviews, with additional detail included in the supporting slides:

OVERVIEW 1

EDUCATION

Uses datasets from schools, colleges and universities to highlight the volume of students progressing through the education system across the UK

OVERVIEW 2

SPACE ALIGNED QUALIFICATIONS

Subset of **EDUCATION**
Students taking qualifications aligned with the UK space sector, classified by Space Partnership as Space Specific, Space Relevant or Space General

OVERVIEW 3

SPACE WORKFORCE

Presents top level data from the Size & Health, Space Census and Space Skills Surveys to illustrate the current UK space workforce

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Space Partnership

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Space Skills Dashboard 1: Education

Space Partnership

Collates datasets from schools, colleges and universities to highlight the volume of students progressing through the education system across the UK
These figures are a snapshot from various years/sources and do not represent a specific cohort progressing through the education system

1 2 3

2024/25

802,500

Number of Students turning 16 over the Academic Year (taking GCSEs or Equivalent)

2023/24 *Duration: 1–4 years*

263,000

Level 2 and 3 Apprenticeship Starts

2022/23 *Duration: 1–6 years*

128,500

Level 4 to 7 Apprenticeship Starts

2024/25

459,500

Number of Students taking A Levels or Equivalent

England data ONLY

2024/25 *Duration: 3–5 years*

559,000

University Undergraduate (First Degree) Starts

2024/25 *Duration: 1–4 years*

243,500

University Postgraduate (Taught and Research) Starts

Age 16 | Post-16 Education | Post-19 Education

Numbers are rounded to the nearest five hundred. Unless otherwise stated, categories are UK-wide. Figures for GCSEs and A Levels / Equivalent are reported totals; all other categories are the aggregate of courses. Education data covers all courses and is not limited to those aligned with the space sector. Duration is approximate and based on full-time study. Scottish apprenticeship levels have been mapped to the Regulated Qualifications Framework (RQF) to enable comparison with England, Wales and Northern Ireland. Scottish apprenticeships offered at more than one level are counted at the lowest level. As a result, Level 2 and 3 starts may be slightly overestimated and Level 4 to 7 starts slightly underestimated. See Appendix B for methodology and Appendix C for data sources.

Space Skills Dashboard 2: Space Aligned Qualifications

Space Partnership

Subset of Dashboard 1 (Education):
Students taking qualifications aligned with the UK space sector, classified by the Space Partnership as Space Specific, Space Relevant or Space General
These figures are a snapshot from various years/sources and do not represent a specific cohort progressing through the education system

1 2 3

Apprenticeship Starts		University Undergraduate Starts	University Postgraduate Starts
Levels 2 & 3	Levels 4 to 7	First Degree	Taught & Research
263,000 (2023/24)	128,500 (2022/23)	559,000 (2024/25)	243,500 (2024/25)
7,958	220	17,590	2,255
32,544	17,144	46,155	13,095
41,135	47,502	183,535	54,915

Indicative Annual Starts
(latest available year for each source)

Space Specific
Based on the qualifications most prevalent across the current UK space sector workforce

28,000

e.g. Engineering (Aerospace, Electrical, Mechanical), Physics

Space Relevant
Courses that are directly relevant to the UK space sector

108,900

e.g. Computer Science, Mathematics, Environmental Sciences

Space General
Courses that support the wider operation of UK space sector organisations

327,100

e.g. Business, Law, Finance, Marketing

See Appendix A for the full Space Taxonomy, Appendix B for methodology and Appendix C for data sources.
Breakdown by qualification type is unrounded. Total Space Aligned annual starts are rounded to the nearest hundred. Totals for each qualification are rounded to the nearest five hundred. Scottish apprenticeship levels have been mapped to the Regulated Qualifications Framework (RQF) to enable comparison with England, Wales & Northern Ireland. Scottish apprenticeships offered at more than one level are counted at the lowest level. As a result, Level 2 and 3 starts may be slightly overestimated and Level 4 to 7 starts slightly underestimated.

Space Skills Dashboard 3: Current UK Space Workforce

Space Partnership

Presents top-level data from the Size & Health, Space Census and Space Skills Surveys to illustrate the current UK space workforce
These figures are from various sources so do not represent a direct pipeline from qualifications to individuals working in the sector

1 2 3

Indicative Annual Starts
(Estimated by Space Partnership)

Space Specific
Based on the qualifications most prevalent across the current UK space sector workforce

28,000

e.g. Engineering (Aerospace, Electrical, Mechanical), Physics

Space Relevant
Courses that are directly relevant to the UK space sector

108,900

e.g. Computer Science, Mathematics, Environmental Sciences

Space General
Courses that support the wider operation of UK space sector organisations

327,100

e.g. Business, Law, Finance, Marketing

Open Roles
Based on analysis of SpaceCareers.uk data
2023-25

Early Career Open Roles
300

Average number of roles advertised per year, defined as ≤ 3 years of experience

The Space Skills Advisory Panel agreed that this is expected to be of the correct order of magnitude

Total Open Roles
7,000 to 12,000

Estimated range per year

Based on the average growth rate from previous Size and Health reports and estimated employee turnover

Figure is an estimate and therefore not directly comparable to the 300 early career open roles

SpaceCareers.uk analysis (2023-25)

Total Space Workforce
55,550

Full-Time Equivalents (FTEs)
2022/23

Space Workforce (excluding DTH)
34,180

Aged under 35
12,650

Estimated based on Space Census and Size & Health data

2024

Aged 35+
21,530

Estimated based on Space Census and Size & Health data

2024

Direct-to-Home (DTH) Broadcasting Workforce
21,370

Space Census 2024
Provides percentages on under/over 35s

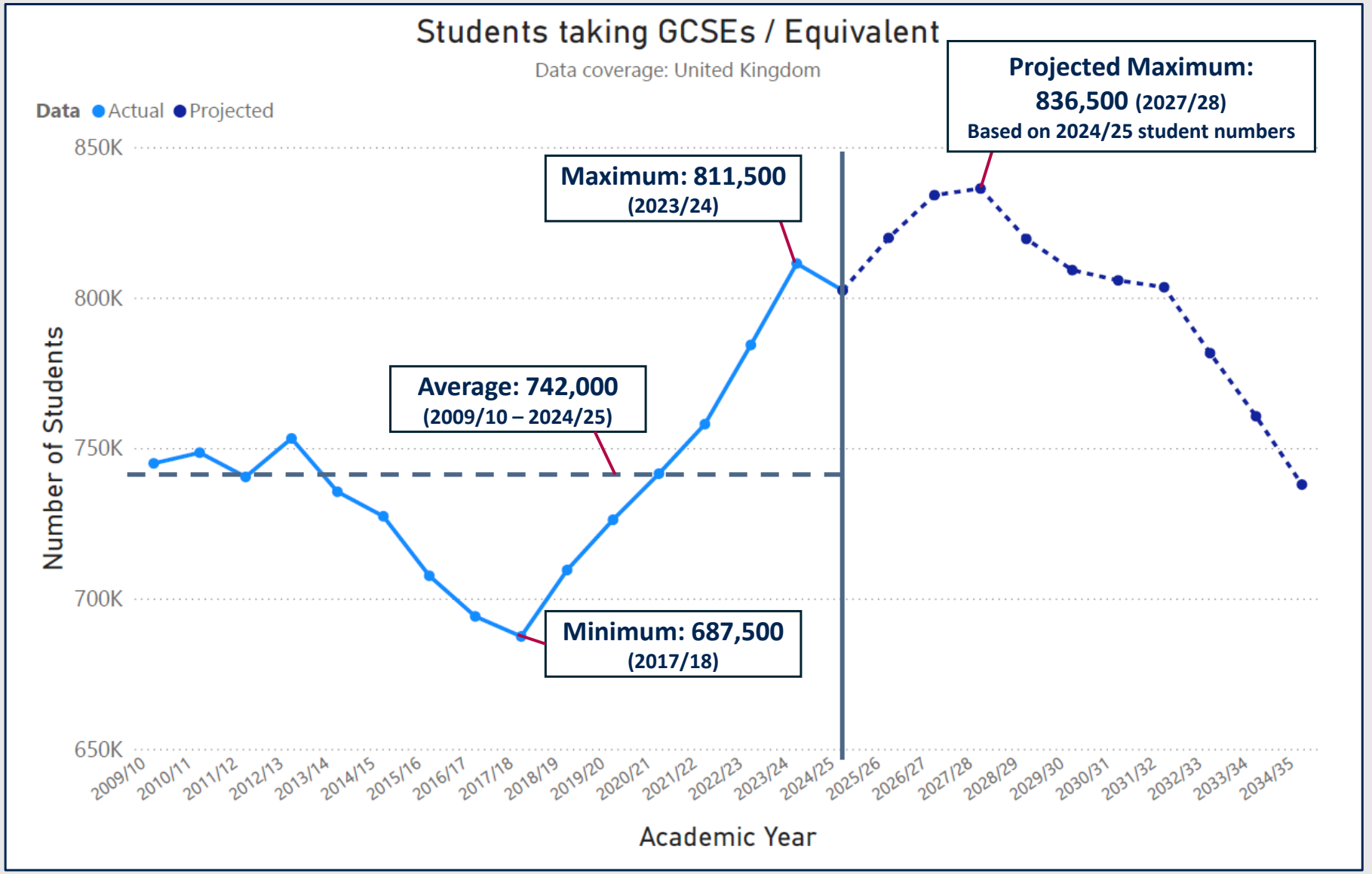
Size & Health 2024
Total workforce numbers (including & excluding DTH)

Further Detail

Each qualification has been classified by Space Partnership into one of the following categories: Space Specific, Space Relevant, Space General or Not Included in the Space Taxonomy. See Appendix A for the full Space Taxonomy, Appendix B for the methodology and Appendix C for data sources.

Further Detail: Education

SPACE SKILLS DASHBOARD – 1 Education (Further Detail)



GCSE or Equivalent

The number of students taking GCSE or equivalent qualifications shows how many people are coming out of the education system. These students typically turn 16 over the academic year.

The number of students turning 16 during the **2024/25** academic year was:

802,500

Note:

- *Projected data is based on the size of each cohort (aged between 5 and 14 in 2024/25) and the corresponding academic year in which they will turn 16 and take GCSE or equivalent qualifications.*

Data coverage: **United Kingdom**

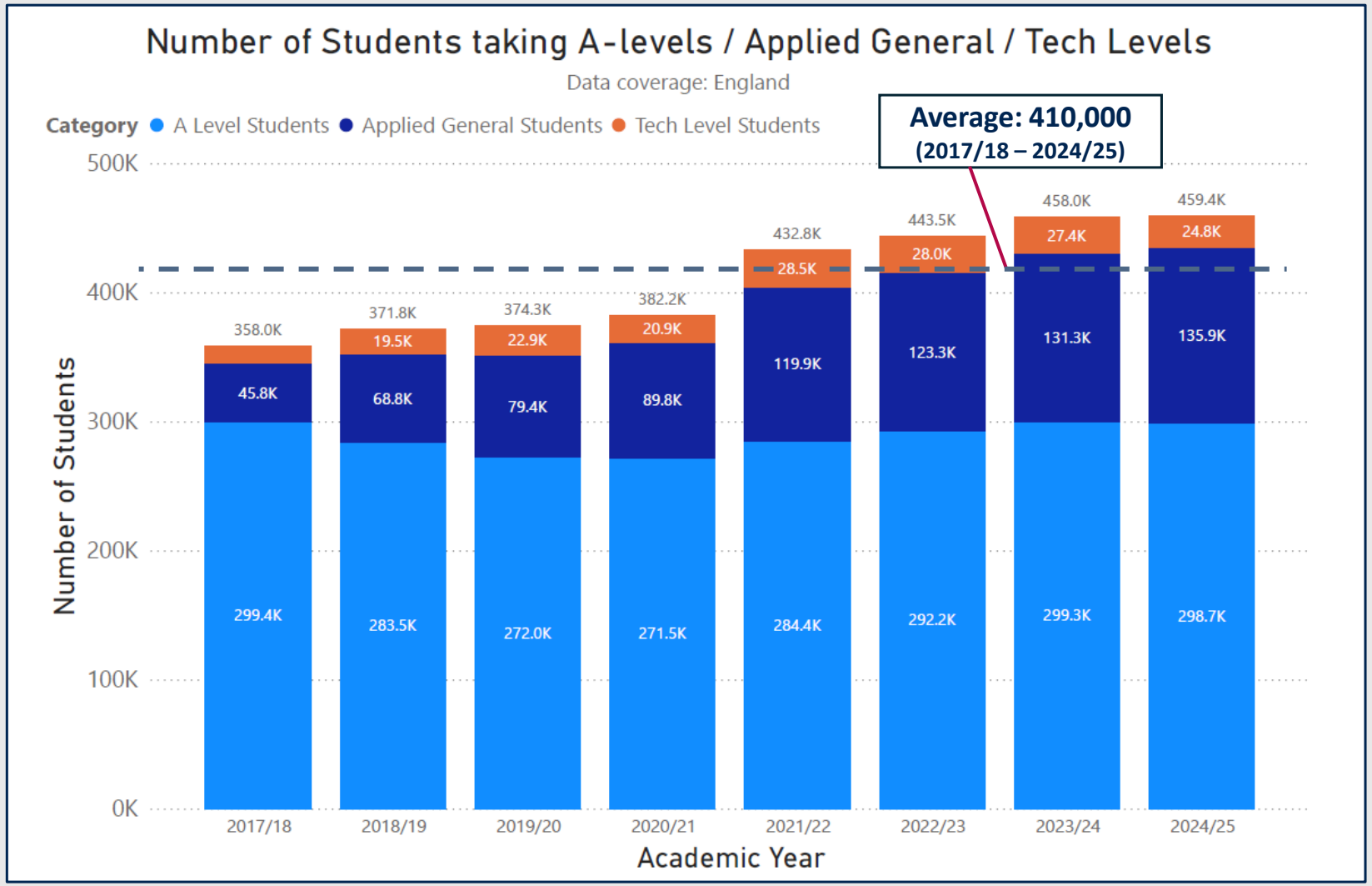
Sources:

Department for Education (GOV.UK)
School Education: Statistics (Gov.Scot)
Education and Training (StatsWales)
Department of Education (ni.Gov.uk)
National Records of Scotland
Northern Ireland Statistics and Research Agency

Figures are rounded to the nearest five hundred

SPACE SKILLS DASHBOARD – 1

Education (Further Detail)



A Level / Tech Level / Equivalent

The number of students taking Post-16 qualifications (A Level / Tech Level / Equivalent) indicates how many people continue in the education system after GCSEs / Equivalent.

Applied General: Level 3 vocational qualifications (e.g. BTECs, Cambridge Technicals).

The number of students in the **2024/25** academic year was:

459,500

Of which:

- A Level: **65%**
- Applied General: **30%**
- Tech Level: **5%**

Data coverage: **England**

Sources:

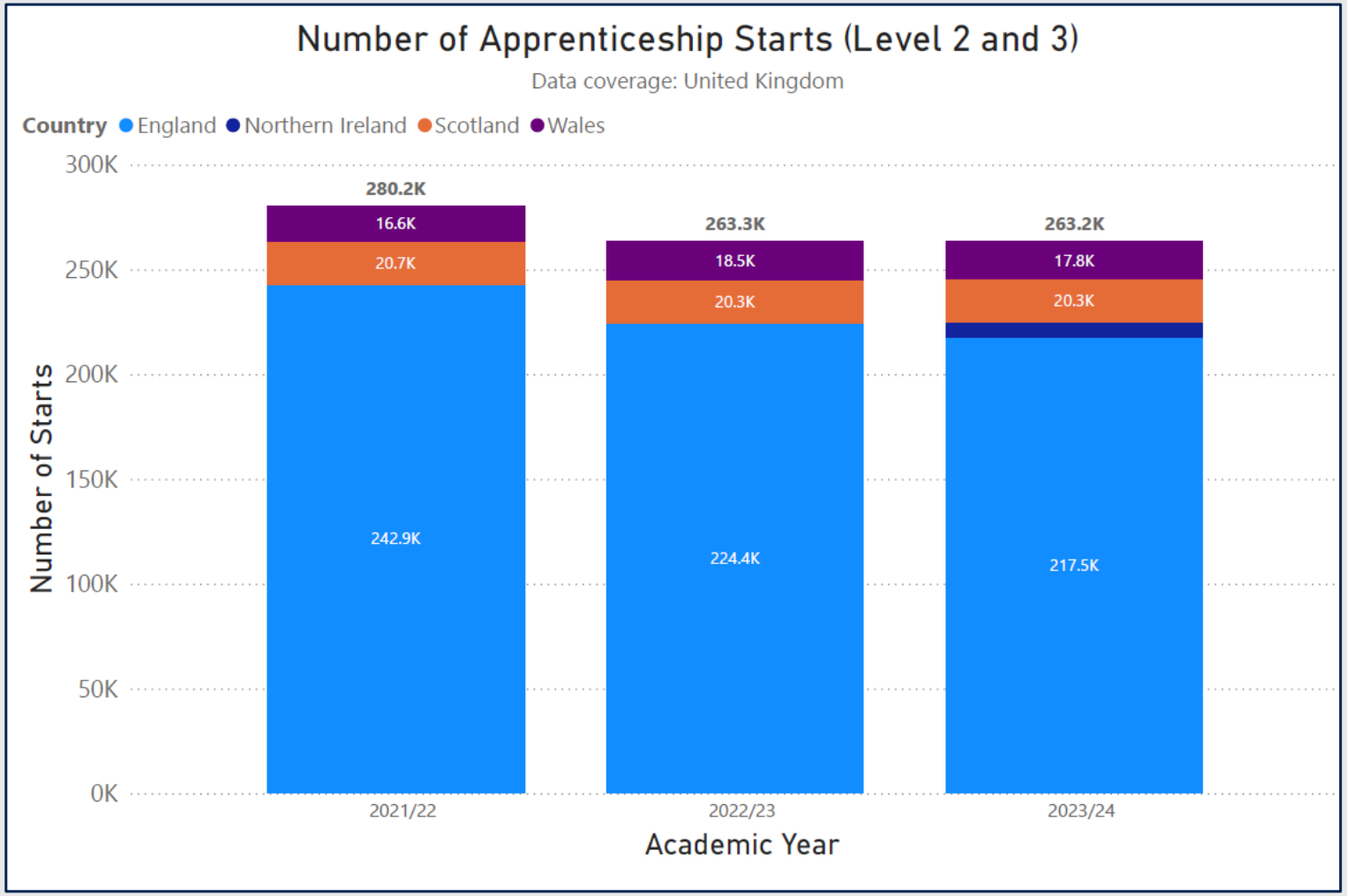
Department for Education (GOV.UK)

England data ONLY

Totals are rounded to the nearest five hundred, categories to the nearest hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown. The data currently covers England only.

SPACE SKILLS DASHBOARD – 1

Education (Further Detail)



Apprenticeship Starts Level 2 and 3

The number of apprenticeship starts at Level 2 and 3 (Intermediate and Advanced) in the **2023/24** academic year was:

263,000

Includes:

- **England**: All apprenticeships at Level 2 and 3
- **Northern Ireland:** ApprenticeshipsNI (Levels 2, 2/3, 3)
- **Wales**: Foundation (Level 2) and Apprenticeship (Level 3)
- **Scotland**: Foundation and Modern frameworks

Data coverage: **United Kingdom**

Note:

- *Scotland includes Foundation Apprenticeships (~3,250 starts in 2023/24), which are taken by school pupils alongside their studies rather than as employed apprenticeships.*
- *Scottish Modern apprenticeships covering multiple levels (from Level 2-7) are counted at the lowest level.*
- *There is no available data at qualification-level for Northern Ireland at Level 2 and 3 before 2023/24*
- *See Appendix B: Methodology for further details.*

Sources:

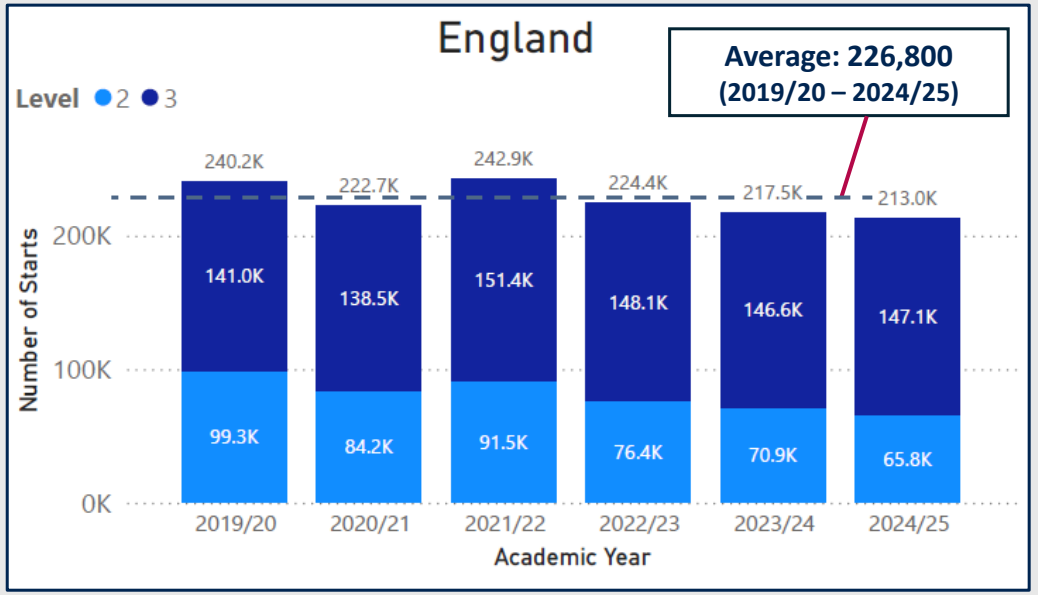
Department for Education (GOV.UK); Education and Training (StatsWales); Department of Education (ni.Gov.uk); Skills Development Scotland - Statistics

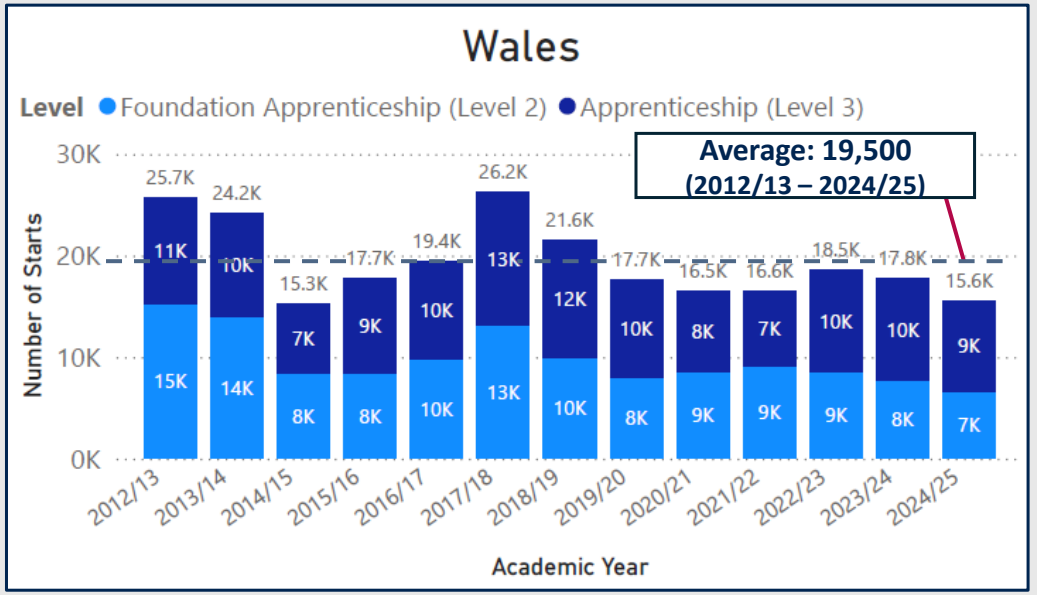
Total starts rounded to the nearest five hundred, categories to the nearest hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown.

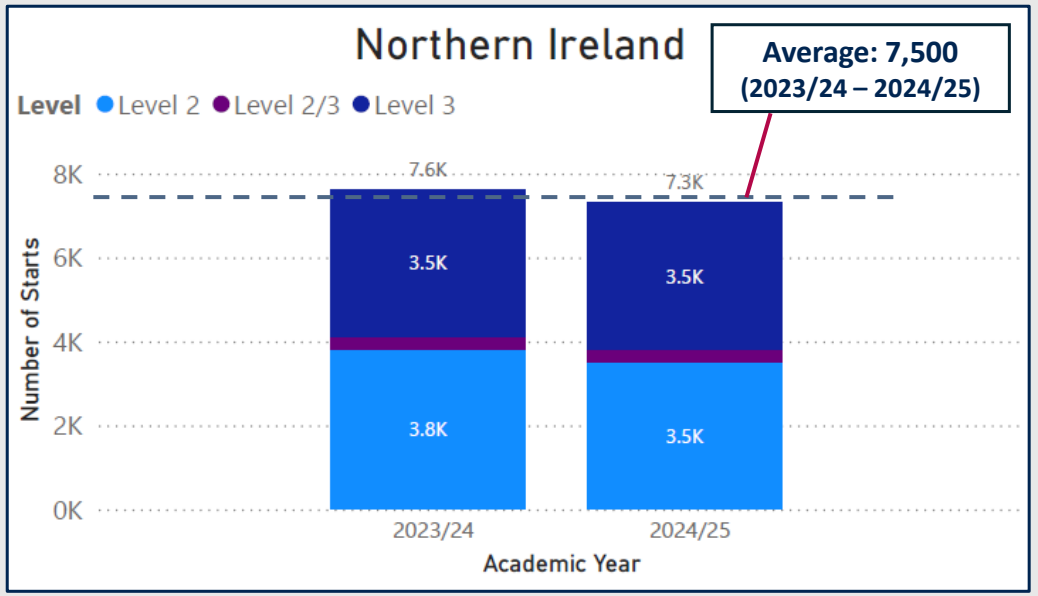
SPACE SKILLS DASHBOARD – 1 Education (Further Detail)

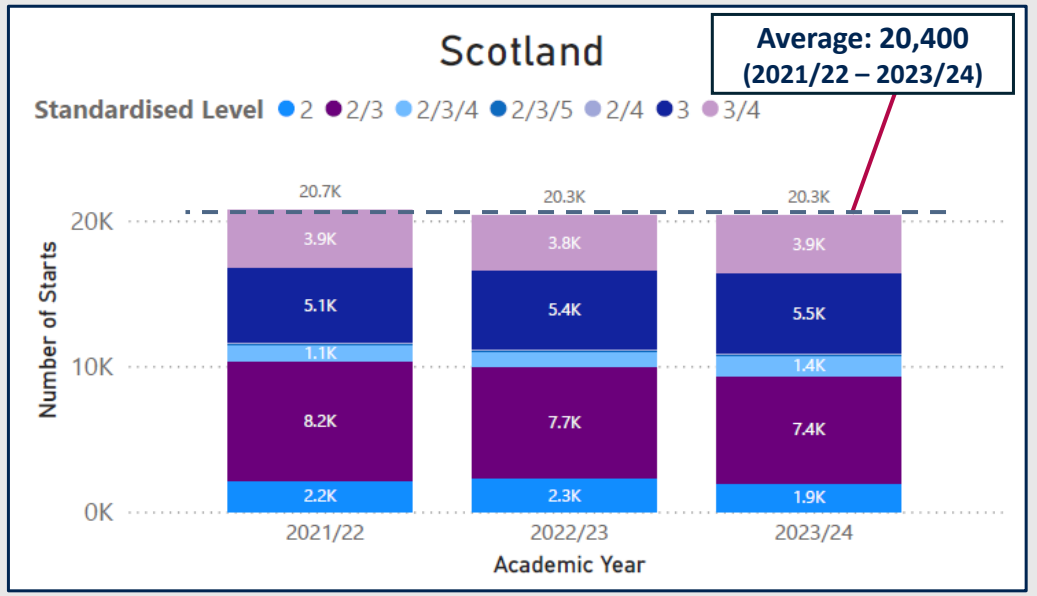
Apprenticeship Starts: Level 2 and 3

By Devolved Administration



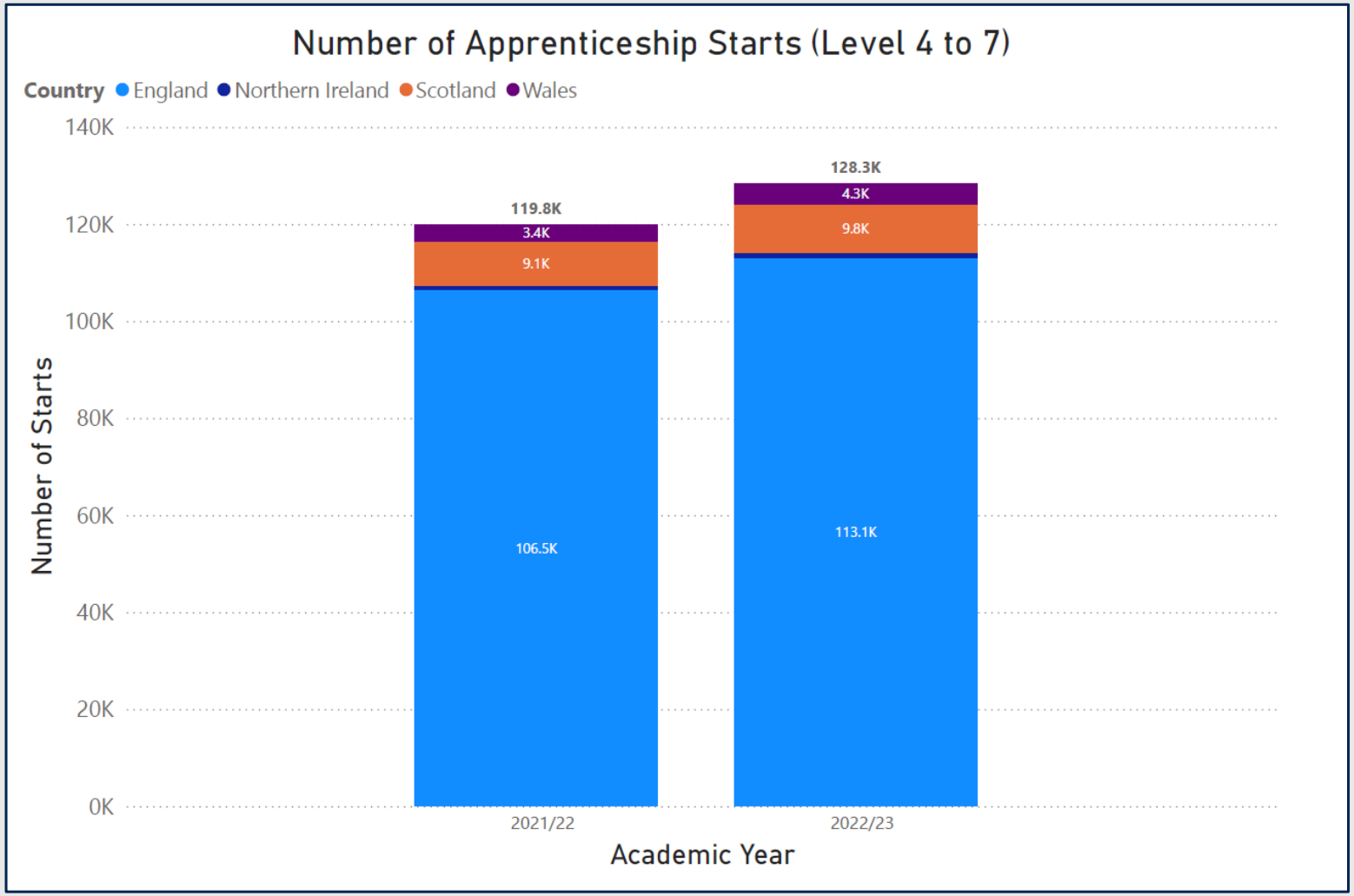






Numbers rounded to the nearest hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown. Smaller categories may not be labelled. Scottish apprenticeship levels have been mapped to RQF. Scottish apprenticeships offered at more than one level are counted at the lowest level. As a result, Level 2 and 3 starts may be slightly overestimated and Level 4 to 7 starts slightly underestimated. See Appendix B for methodology and Appendix C for data sources.

SPACE SKILLS DASHBOARD – 1 Education (Further Detail)



Apprenticeship Starts Level 4 to 7

The number of apprenticeship starts at Level 4 to 7 (higher and degree apprenticeships) in the **2022/23** academic year was:

128,500

Includes:

- **England**: All apprenticeships (Level 4 to 7)
- **Northern Ireland**: Apprenticeships at Higher & Further Education colleges (Level 4 to 7)
- **Wales**: Higher apprenticeships
- **Scotland**: Graduate and Modern (Level 4 and above) framework apprenticeships

Data coverage: **United Kingdom**

Note:

- *Scottish Modern apprenticeships covering multiple levels (from Level 2-7) are counted at the lowest level. As a result, Level 2 and 3 starts may be slightly overestimated and Level 4 to 7 starts slightly underestimated.*
- *See Appendix B: Methodology for further details.*

Sources:

Department for Education (GOV.UK); Education and Training (StatsWales); Department of Education (ni.Gov.uk); Skills Development Scotland - Statistics

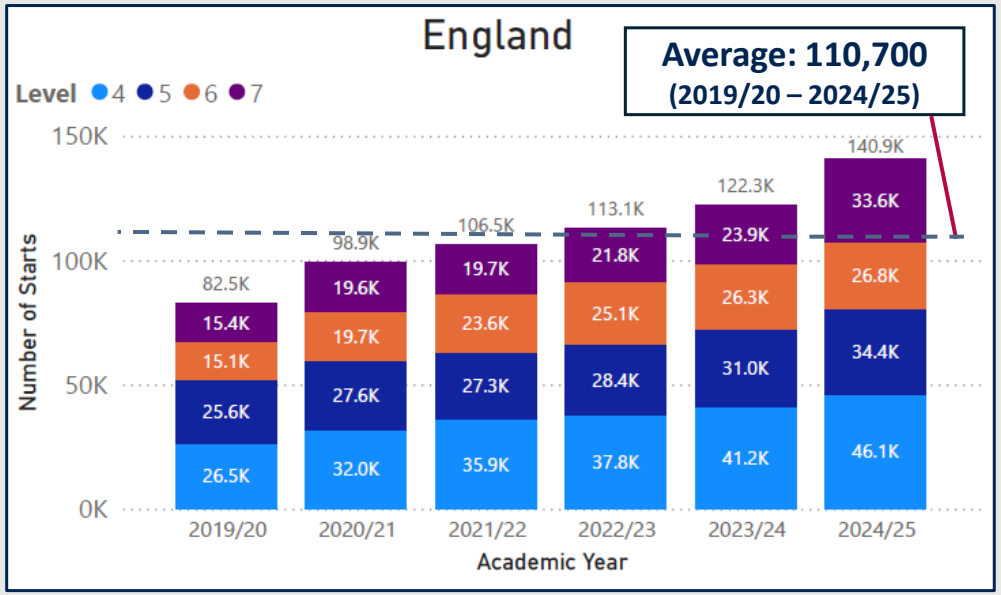
Total starts rounded to the nearest five hundred, categories to the nearest hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown.

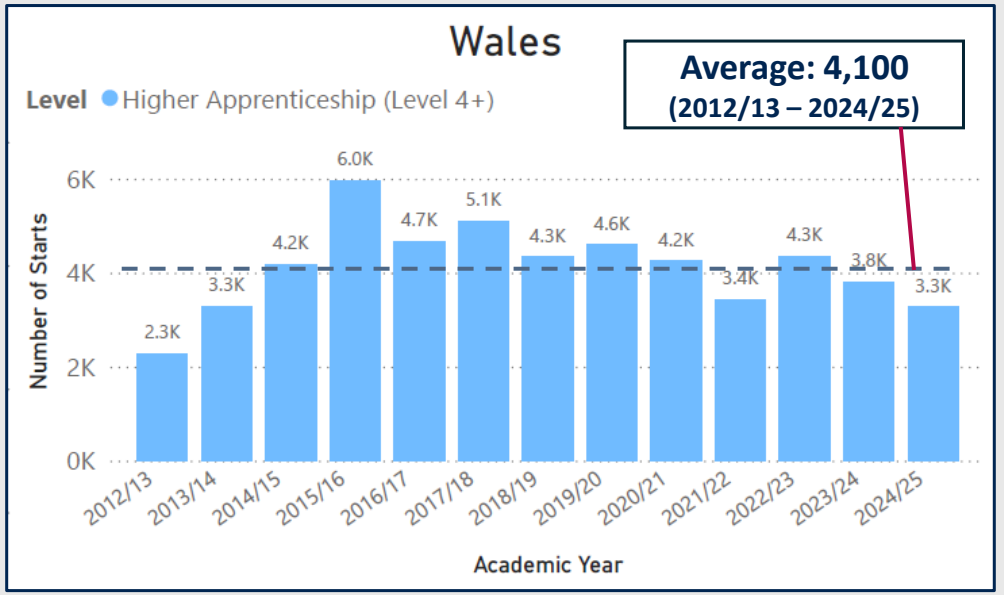
SPACE SKILLS DASHBOARD – 1

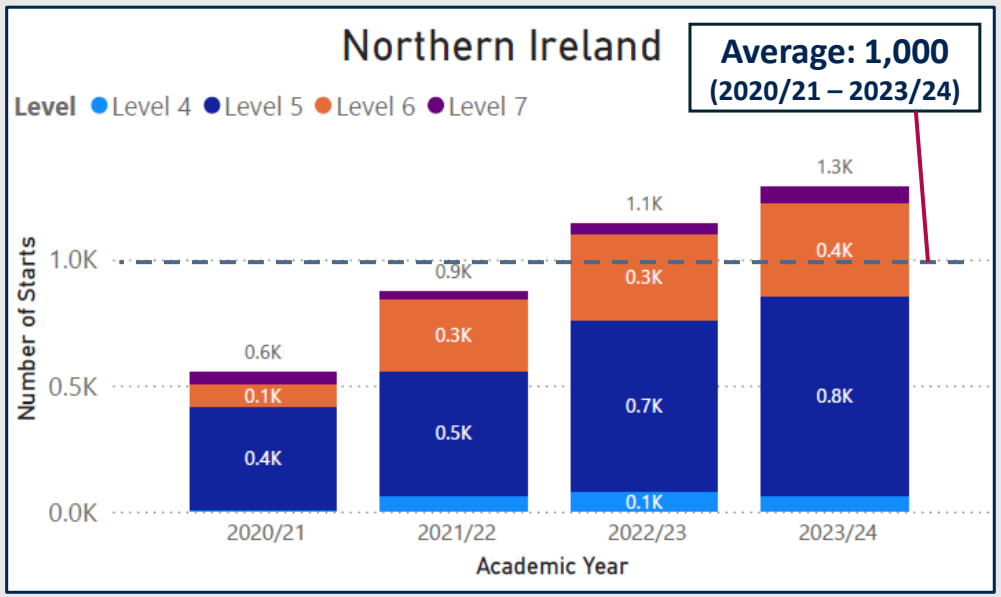
Education (Further Detail)

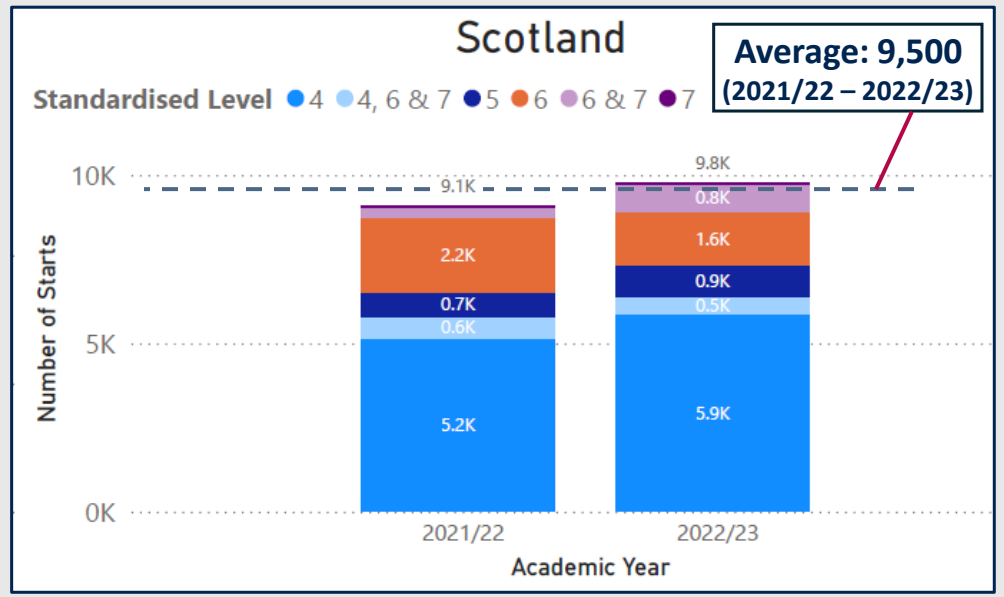
Apprenticeship Starts: Level 4 to 7

By Devolved Administration





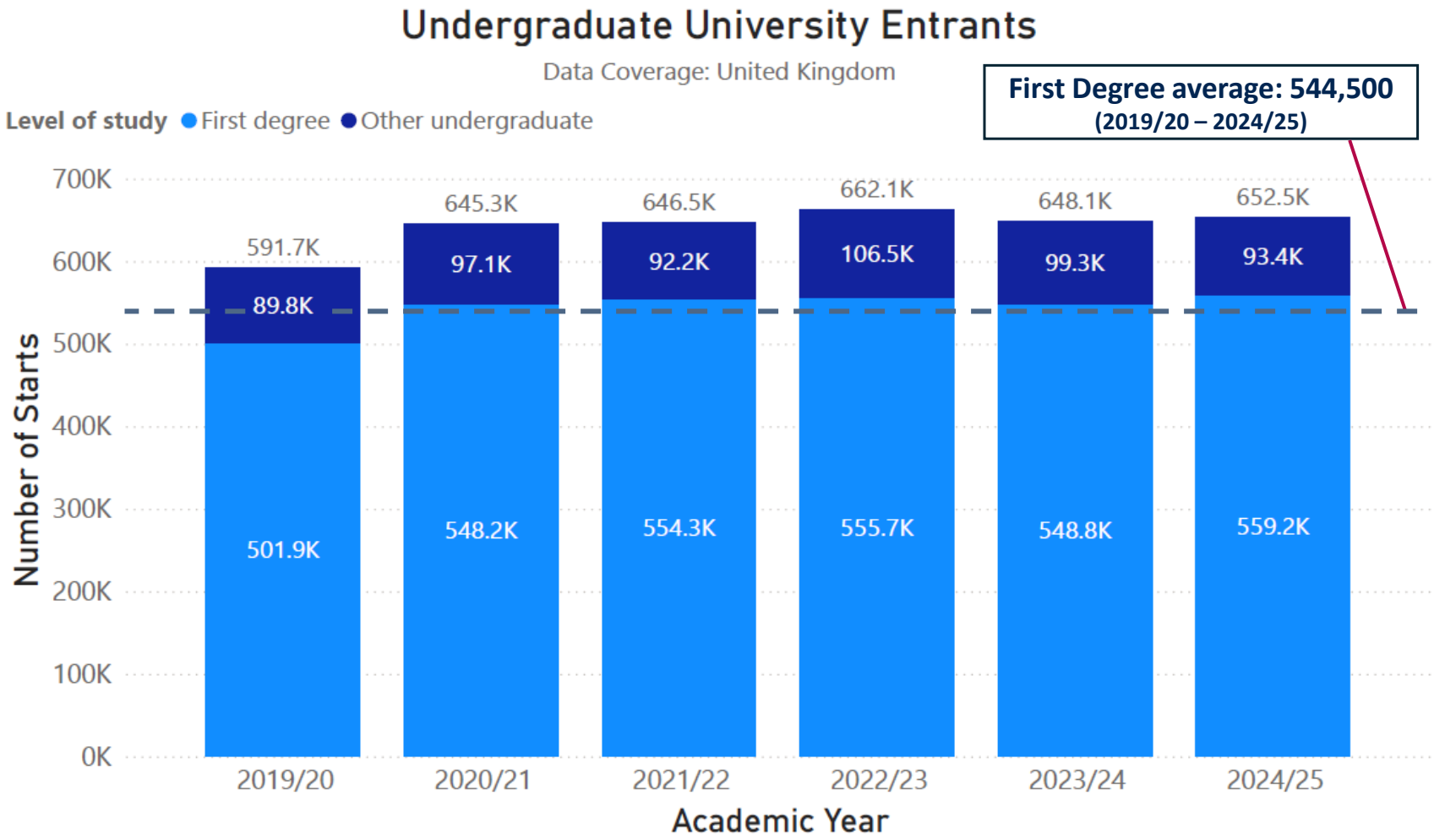




Numbers rounded to the nearest hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown. Smaller categories may not be labelled. Scottish apprenticeship levels have been mapped to RQF. Scottish apprenticeships offered at more than one level are counted at the lowest level. As a result, Level 2 and 3 starts may be slightly overestimated and Level 4 to 7 starts slightly underestimated. See Appendix B for methodology and Appendix C for data sources.

SPACE SKILLS DASHBOARD – 1

Education (Further Detail)



Undergraduate Entrants

Number of students (with a UK home address) starting undergraduate degree (First Degree) courses in the academic year **2024/25** was:

559,000

First Degree: Bachelor's degree
Also includes, but is not limited to:

- Postgraduate bachelor's degree (Honours)
- First degree with Qualified Teacher Status
- Enhanced first degrees (e.g. integrated master's degrees)

Other: All other undergraduate courses
Includes, but is not limited to:

- PGCE at level H (Honours)
- Foundation degrees
- Higher National Diploma / Certificate
- National Vocational Qualification / Scottish Vocational Qualification at NQF levels 4 & 5

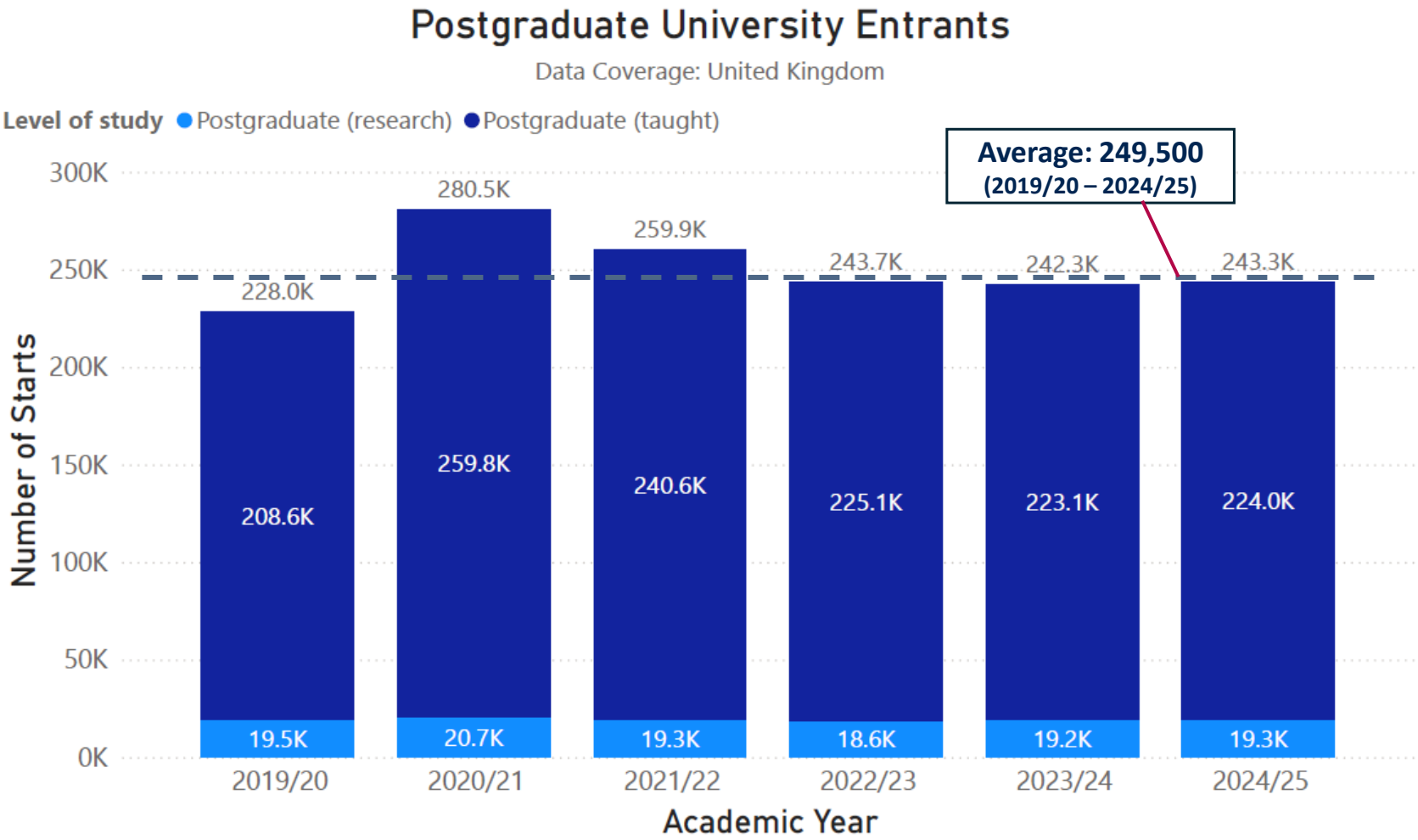
Data coverage: **United Kingdom**

Sources:
HESA (Higher Education Statistics Agency) - HE student enrolments by subject

Total number rounded to the nearest five hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown.

SPACE SKILLS DASHBOARD – 1

Education (Further Detail)



Postgraduate Entrants

Number of students (with a UK home address) starting postgraduate degree courses in the academic year **2024/25** was:

243,500

- Postgraduate Taught (e.g. MSc, MA)
- Postgraduate Research (e.g. PhD, MRes)

Of which:

- Taught: **224,000**
- Research: **19,500**

Data coverage: **United Kingdom**

Sources:

HESA (Higher Education Statistics Agency):

- HE student enrolments by subject

Total number rounded to the nearest five hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown.

Further Detail: Space Aligned Qualifications

Space Specific:

Based on the qualifications most prevalent across the current UK space sector workforce

e.g. Engineering (Aerospace, Electrical, Mechanical), Physics

Space Relevant:

Courses that are directly relevant to the UK space sector

e.g. Computer Science, Mathematics, Environmental Sciences

Space General:

Courses that support the wider operation of UK space sector organisations

e.g. Business, Law, Finance, Marketing

All other qualifications are classified as ‘Not included in the Space Taxonomy’

Space Specific Taxonomy

Higher Education Classification of Studies (HECoS)		Apprenticeships (All levels)						
First Degree, Postgraduate Taught & Postgraduate Research		Levels 2 & 3 (2023/24)						
UK (2024/25)		England		Wales	Scotland (standardised to RQF levels)		Northern Ireland	
Mechanical engineering	7,580	Engineering	60	-	Engineering	1,770	Engineering	638
Physics	4,505	Engineering Technician	5,490					
Electrical and electronic engineering	3,175	Levels 4-7 (2022/23)						
Aerospace engineering	2,685	Aerospace Engineer	170	-	-		-	
Astrophysics	615	Propulsion Technician	40					
Electronic engineering	560	Space Engineering Technician	10					
Electrical engineering	200							
Astronomy	180							
Space technology	145							
Geophysics	65							
Space science	50							
Planetary science	45							
Satellite engineering	35							
5 or fewer entrants/starts								
Aerospace propulsion systems								
Avionics								

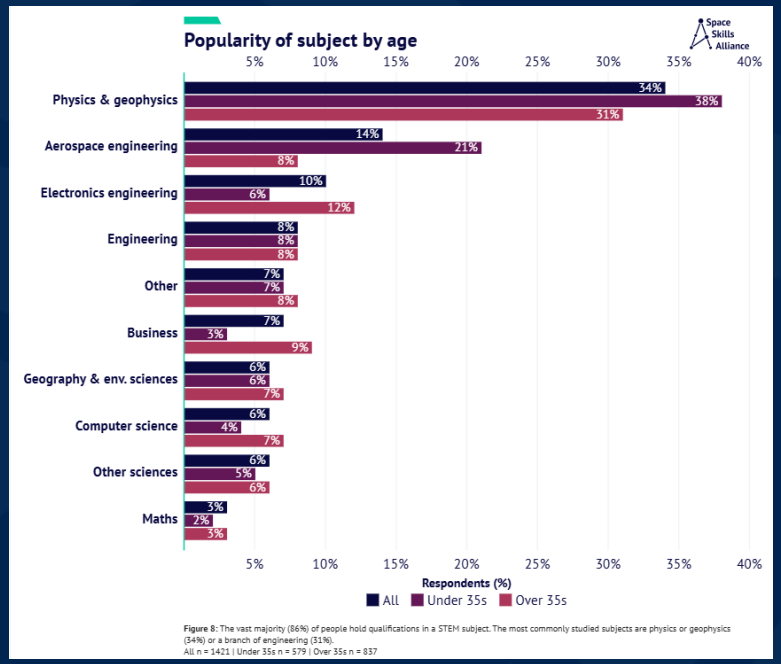


Figure: How and why people join the UK space sector (Space Skills Alliance)

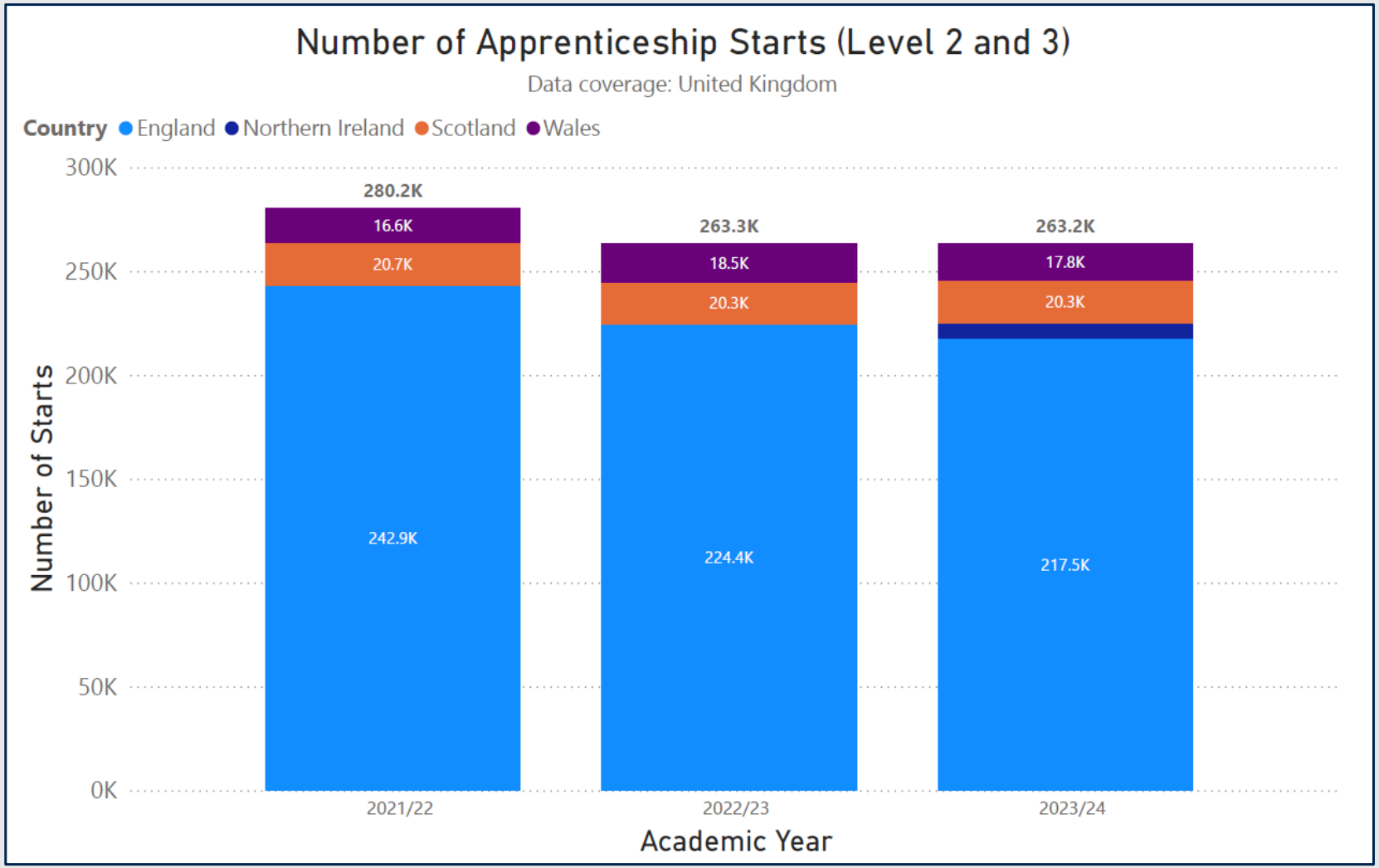
Qualifications classified as Space Specific:

Based on courses most prevalent across the space sector, as identified in the Space Skills Alliance report *'How and why people join the UK space sector'*

See Appendix A (page 38) for the full Space Taxonomy

SPACE SKILLS DASHBOARD – 2

Space Aligned (Further Detail)



Sources: Department for Education (GOV.UK); Education and Training (StatsWales); Department of Education (ni.Gov.uk); Skills Development Scotland Statistics

Space Aligned Apprenticeship Starts

(Level 2 and 3)

The number of apprenticeship starts at Level 2 and 3 (Intermediate and Advanced) in the academic year **2023/24** was:

263,000

Of which:

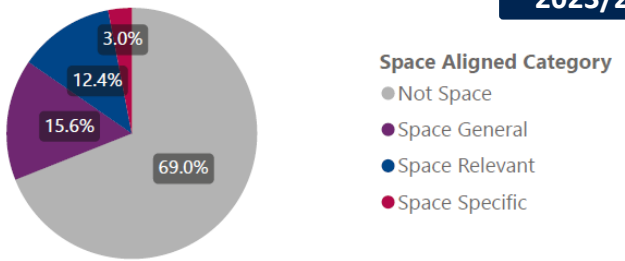
- **Space Specific:** 7,958
- **Space Relevant:** 32,544
- **Space General:** 41,135

Data coverage: **United Kingdom**

Note:

- *There is no available data at qualification-level for Northern Ireland at Level 2 and 3 before 2023/24*
- *Scottish Modern apprenticeships offered at more than one level are counted at the lowest level. As a result, Level 2 and 3 starts may be slightly overestimated and Level 4 to 7 starts slightly underestimated.*
- *See Appendix A for the full Space Taxonomy.*
- *See Appendix B: Methodology for further details.*

2023/24



Total starts rounded to the nearest five hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown. Smaller categories may not be labelled.

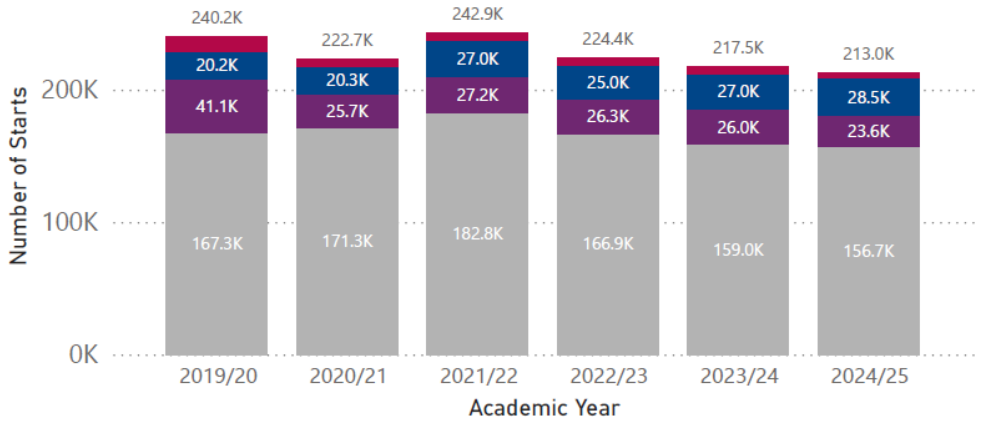
SPACE SKILLS DASHBOARD – 2

Space Aligned (Further Detail)

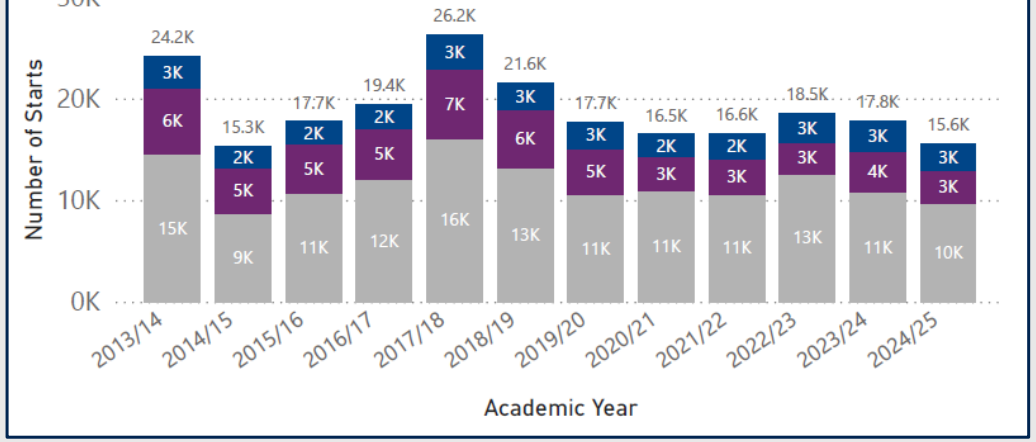
Apprenticeship Starts: Level 2 and 3

By Devolved Administration

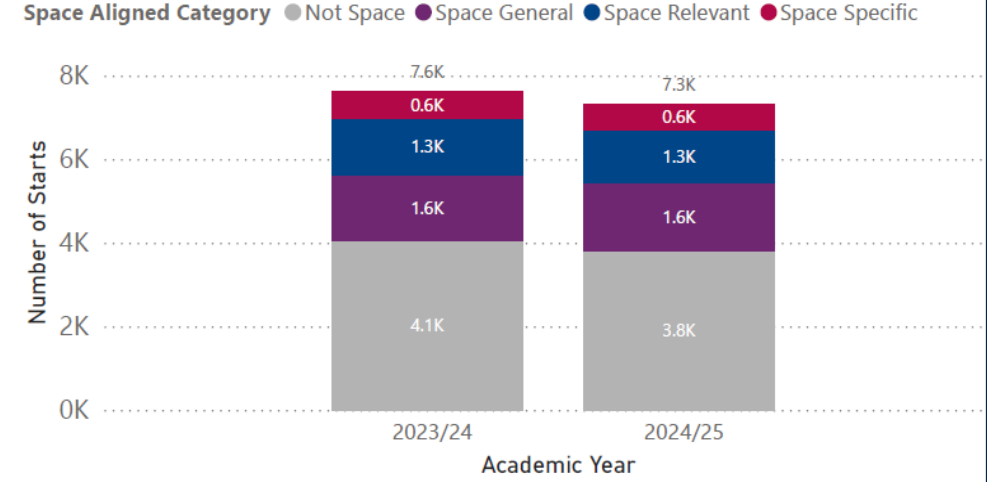
England



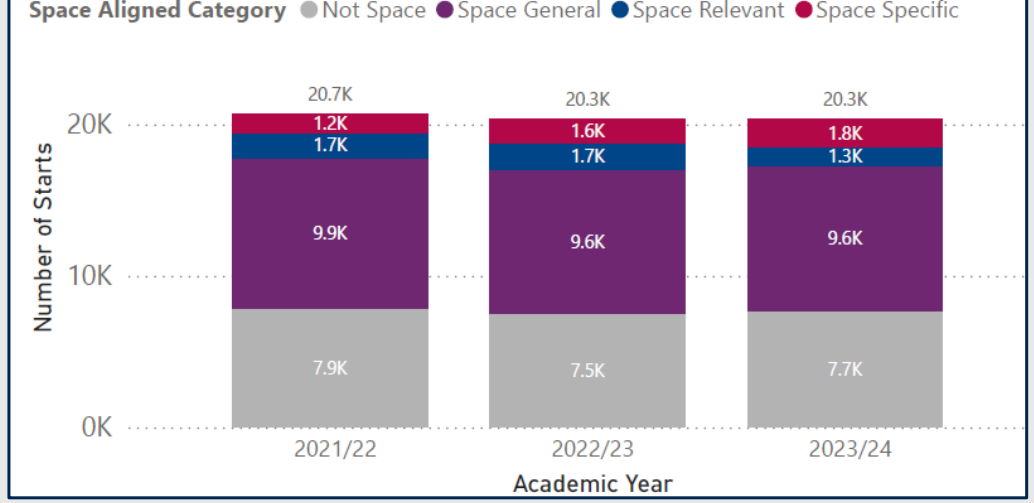
Wales



Northern Ireland



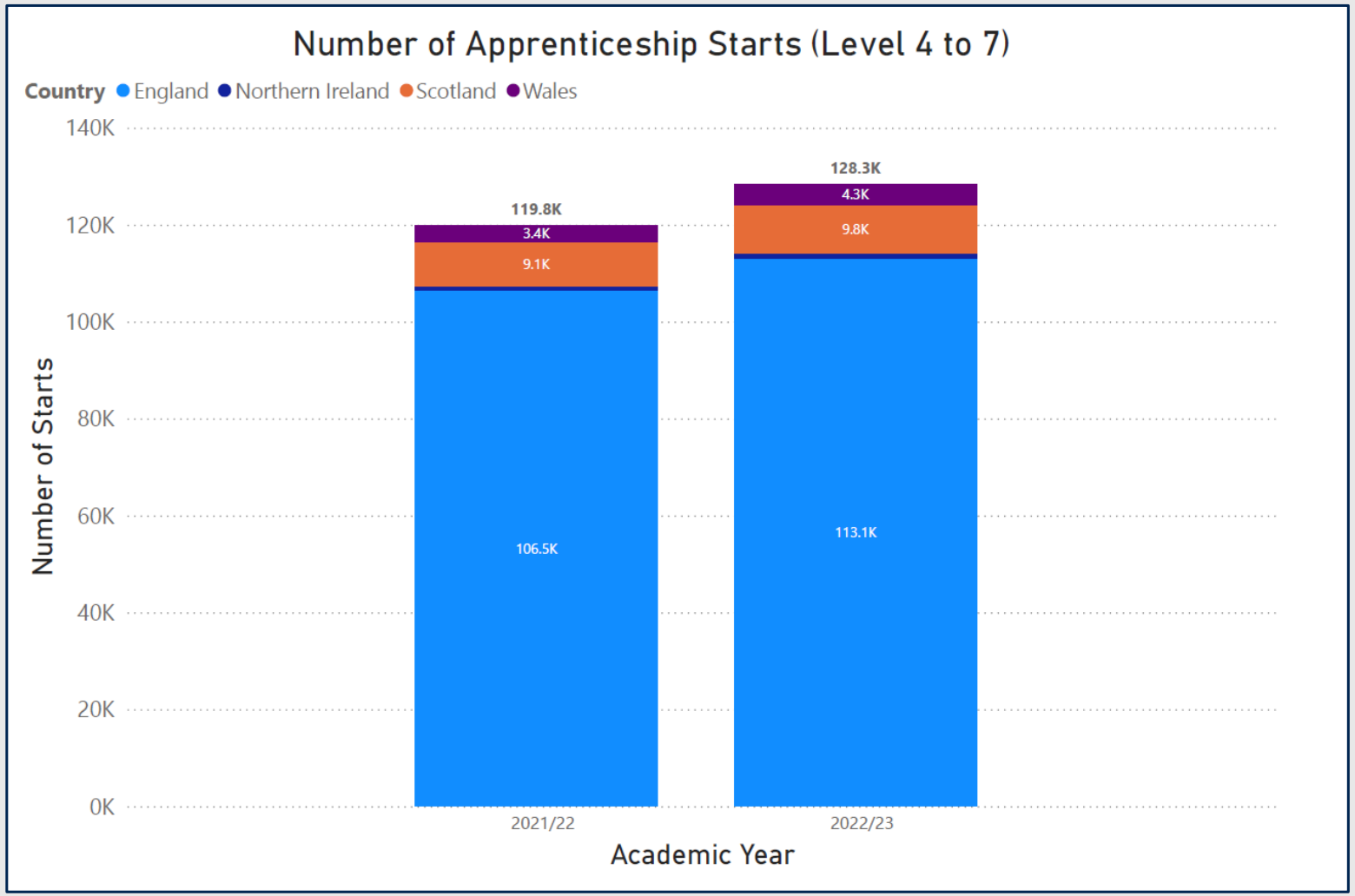
Scotland



Numbers rounded to the nearest hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown. Smaller categories may not be labelled. Scottish apprenticeship levels have been mapped to RQF. Scottish apprenticeships offered at more than one level are counted at the lowest level. As a result, Level 2 and 3 starts may be slightly overestimated and Level 4 to 7 starts slightly underestimated. See Appendix B for methodology and Appendix C for data sources.

SPACE SKILLS DASHBOARD – 2

Space Aligned (Further Detail)



Sources: Department for Education (GOV.UK); Education and Training (StatsWales); Department of Education (ni.Gov.uk); Skills Development Scotland Statistics

Space Aligned Apprenticeship Starts

(Level 4 to 7)

The number of apprenticeship starts at Level 4 to 7 (higher and degree apprenticeships) in the academic year **2022/23** was:

128,500

Of which,

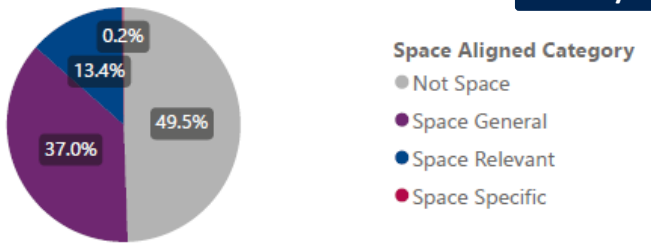
- **Space Specific:** 220
- **Space Relevant:** 17,144
- **Space General:** 47,502

Data coverage: **United Kingdom**

Note:

- *Scottish Modern apprenticeships offered at more than one level are counted at the lowest level. As a result, Level 2 and 3 starts may be slightly overestimated and Level 4 to 7 starts slightly underestimated.*
- *See Appendix A for the full Space Taxonomy.*
- *See Appendix B: Methodology for further details.*

2022/23



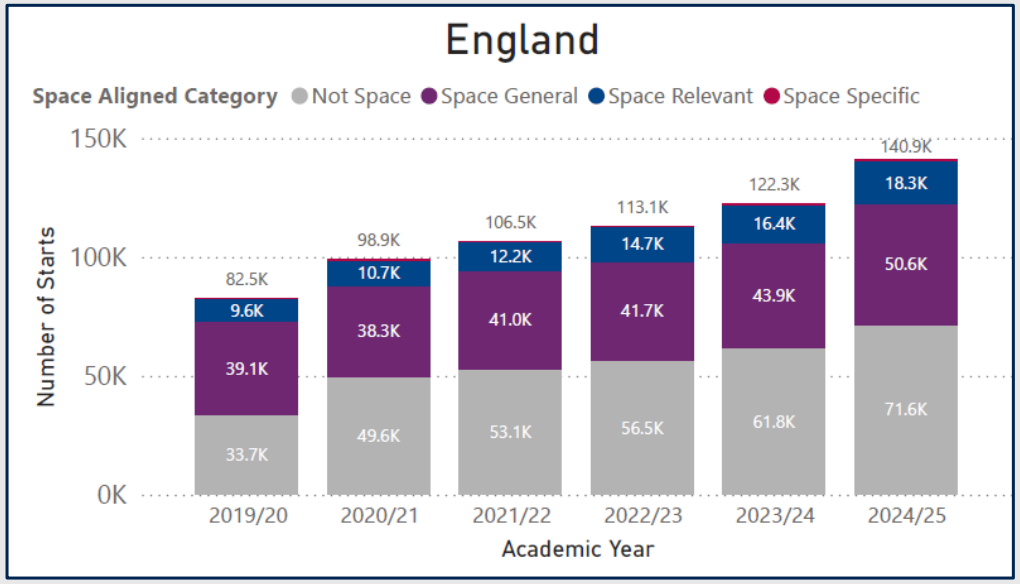
Total starts rounded to the nearest five hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown. Smaller categories may not be labelled.

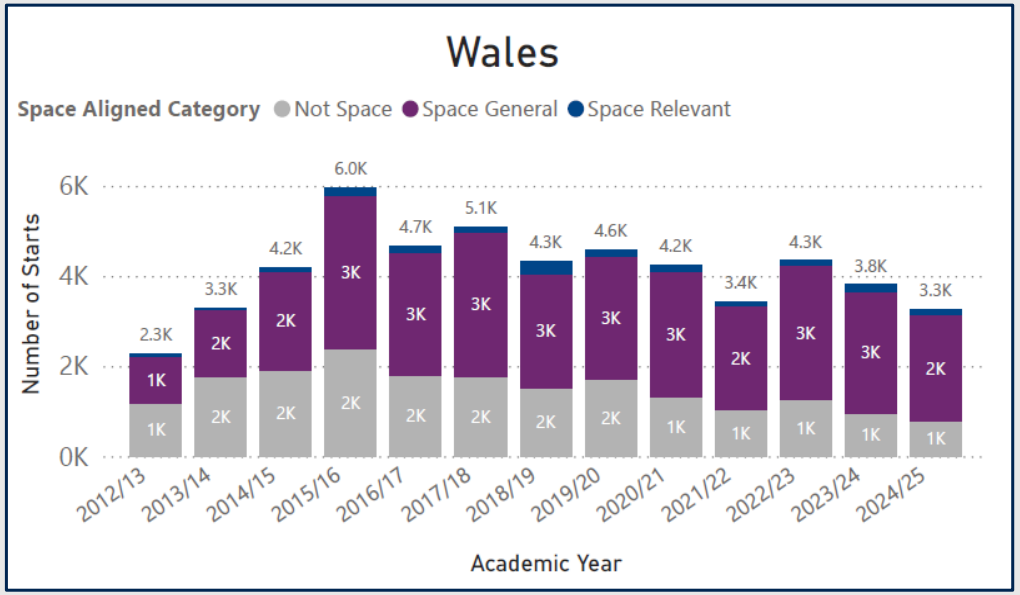
SPACE SKILLS DASHBOARD – 2

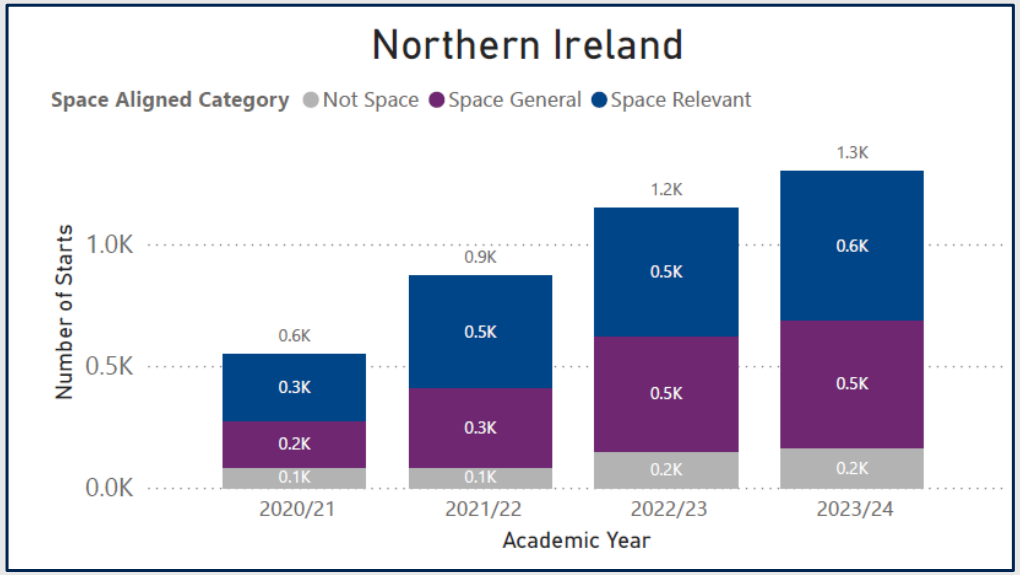
Space Aligned (Further Detail)

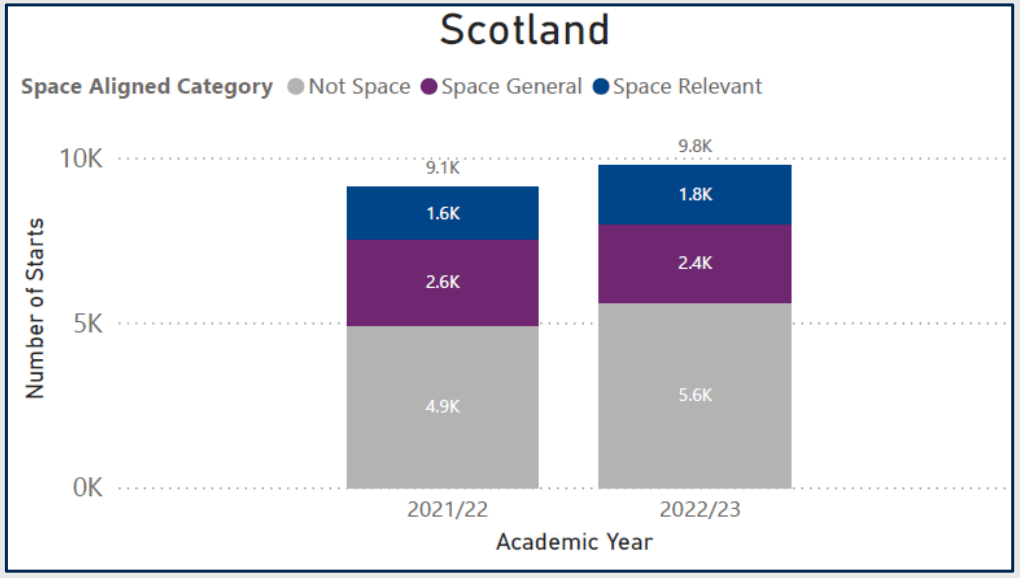
Apprenticeship Starts: Level 4 to 7

By Devolved Administration





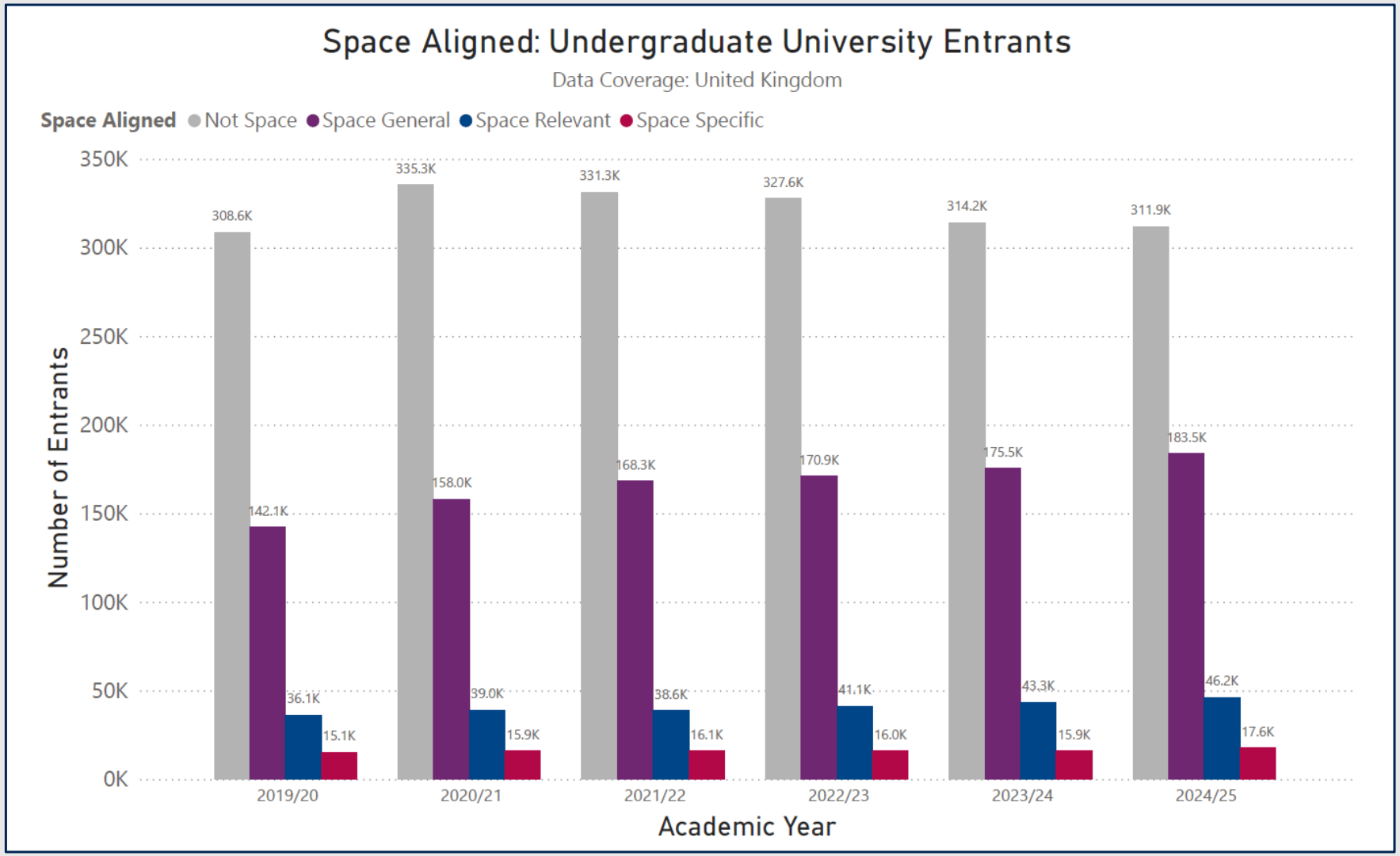




Numbers rounded to the nearest hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown. Smaller categories may not be labelled. Scottish apprenticeship levels have been mapped to RQF. Scottish apprenticeships offered at more than one level are counted at the lowest level. As a result, Level 2 and 3 starts may be slightly overestimated and Level 4 to 7 starts slightly underestimated. See Appendix B for methodology and Appendix C for data sources.

SPACE SKILLS DASHBOARD – 2

Space Aligned (Further Detail)



Space Aligned Undergraduate Entrants

Number of starts (UK home address) on undergraduate degree courses that are classed as 'Space Aligned' qualifications.

The number of **Space Specific** undergraduate starts (First Degree) in the academic year **2024/25** was:

17,600

Note:

- *'First Degree' is used in the dashboard due to the potential overlap between 'Other Undergraduate' and Apprenticeship data.*
- *See Appendix A for the full Space Taxonomy.*

Data coverage: **United Kingdom**

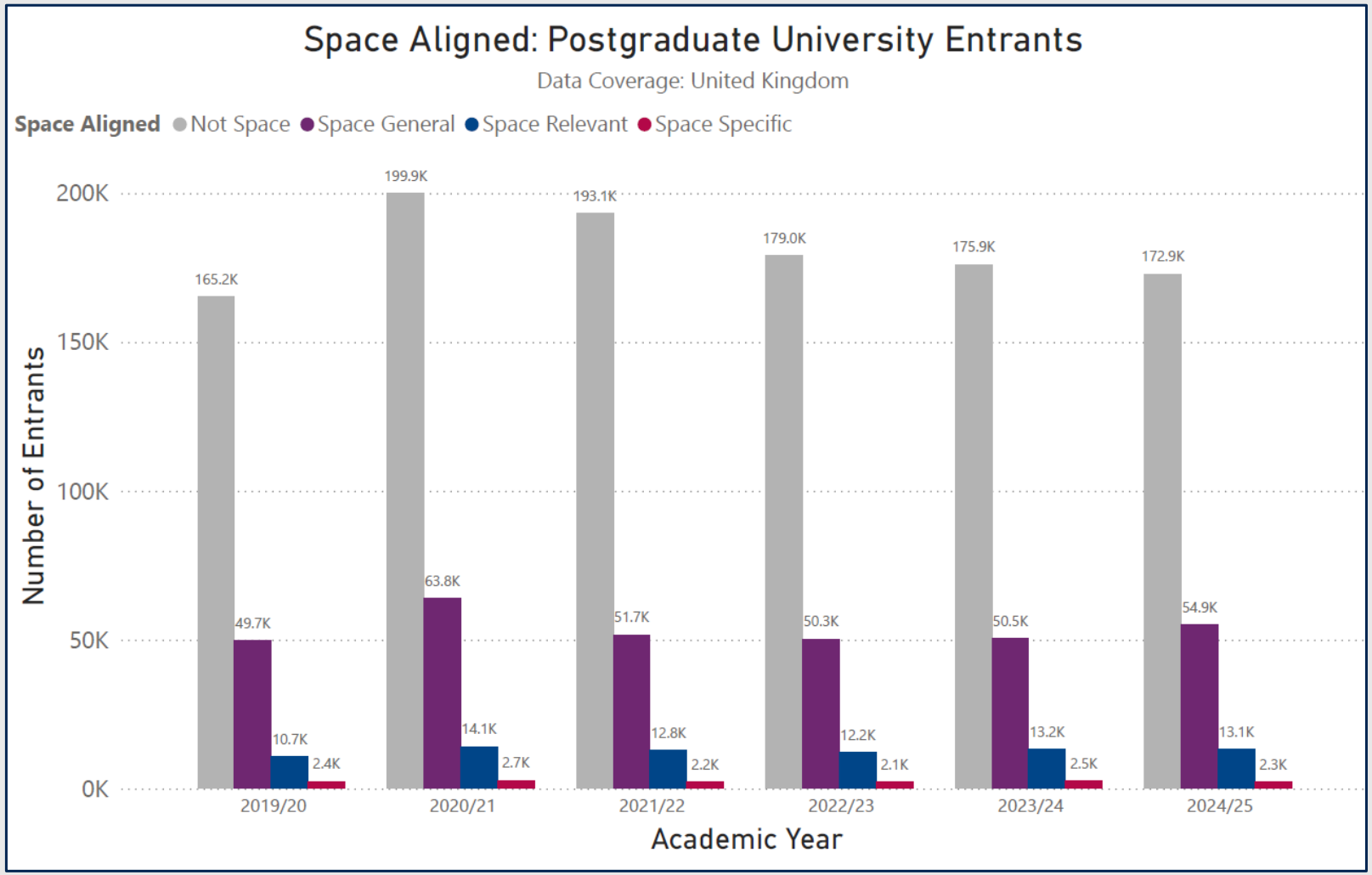
Sources:

HESA (Higher Education Statistics Agency) - HE student enrolments by subject

Total number rounded to the nearest hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown.

SPACE SKILLS DASHBOARD – 2

Space Aligned (Further Detail)



Sources:

HESA (Higher Education Statistics Agency): HE student enrolments by subject

Space Aligned Postgraduate Entrants

Number of starts (UK home address) on postgraduate degree courses that are classed as 'Space Aligned' qualifications:

- Postgraduate Research (e.g. PhD, MRes)
- Postgraduate Taught (e.g. MSc, MA)

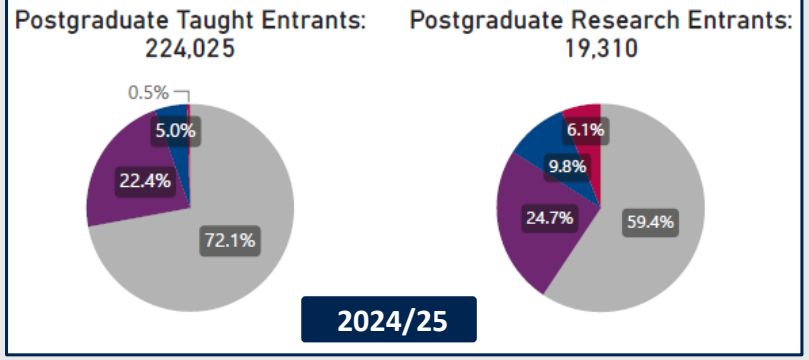
The number of **Space Specific** postgraduate starts in the academic year **2024/25** was:

2,300

Data coverage: **United Kingdom**

Note:

- *See Appendix A for the full Space Taxonomy.*



Total number rounded to the nearest hundred. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown.

Further Detail: Current UK Space Workforce

SIZE AND HEALTH OF THE UK SPACE SECTOR

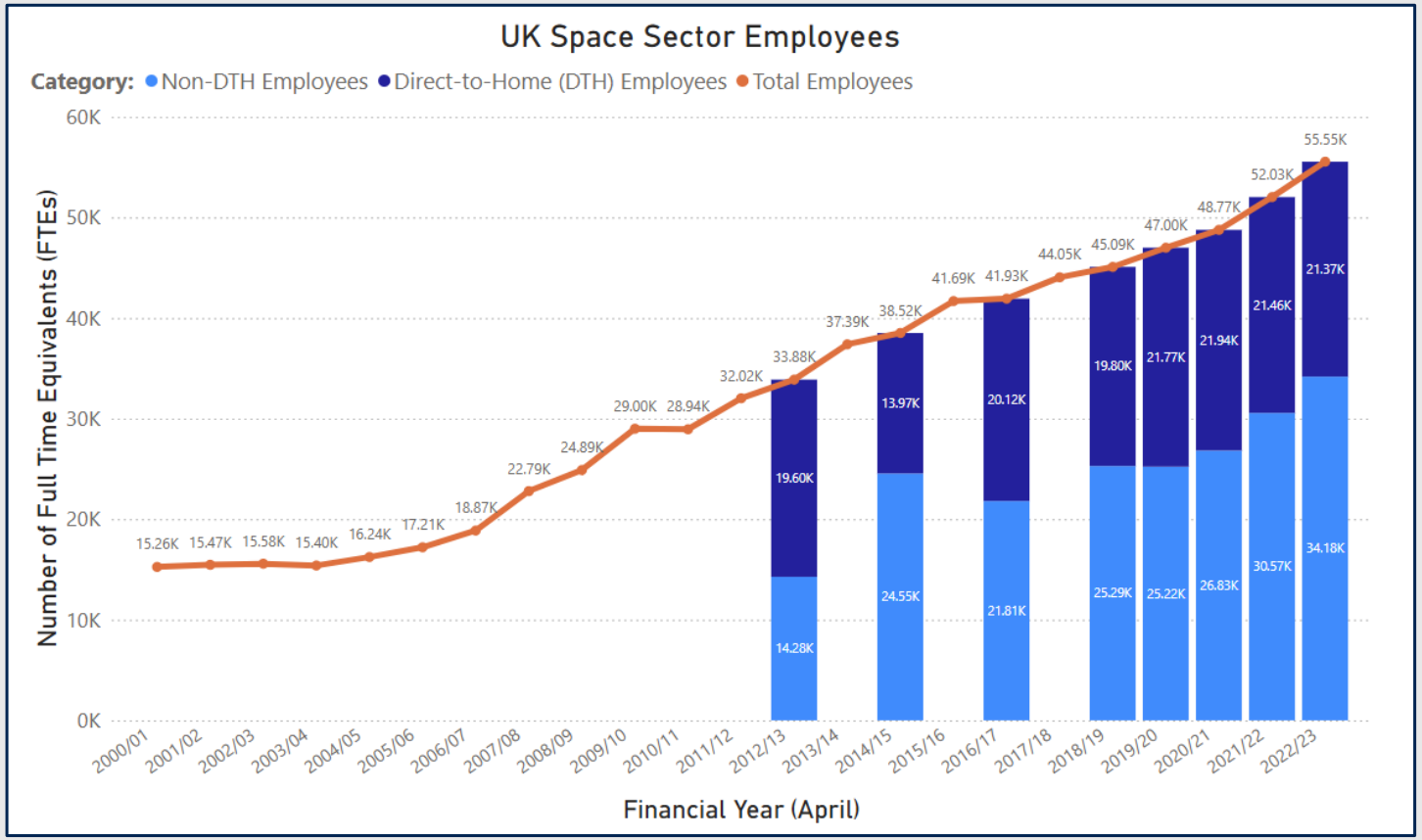
SPACE SECTOR SKILLS SURVEY

SPACE CENSUS

NUMBER OF OPEN ROLES (EARLY CAREER)

SPACE SKILLS DASHBOARD – 3

Current UK Space Workforce: **Size and Health**



Size and Health of the UK Space Industry

Annual report (biennial prior to 2020) commissioned by UKSA, combining an industrial survey with secondary research to provide economic analysis of the space industry.

On workforce, it covers **total employment** broken down by segment, based on a detailed list of activities. There is some additional workforce information on region and demographic characteristics (qualification level, age, gender, nationality and ethnicity), although based on lower response rates (~80 responses).

Data coverage: **United Kingdom**

Sources

Publication	Financial Year (April)	Consultancy
Size and Health 2024	2022/23	London Economics
Size and Health 2023	2021/22	London Economics
Size and Health 2022	2020/21	know.space
Size and Health 2021	2019/20	BryceTech
Size and Health 2020	2017/18 and 2018/19	know.space
Size and Health 2018	2015/16 and 2016/17	London Economics
Size and Health 2016	2013/14 and 2014/15	London Economics
Size and Health 2014	2011/12 and 2012/13	London Economics
Size and Health 2012	2009/10 and 2010/11	Oxford Economics
Size and Health 2010	2007/08 and 2008/09	Oxford Economics

Size and Health 2024

55,550 FTEs (Total)

34,180 FTEs (Excl DTH)

Non-Direct-to-Home (DTH) Space Workforce

Breakdown by DTH/non-DTH for consecutive years is only available from **2018/19**.

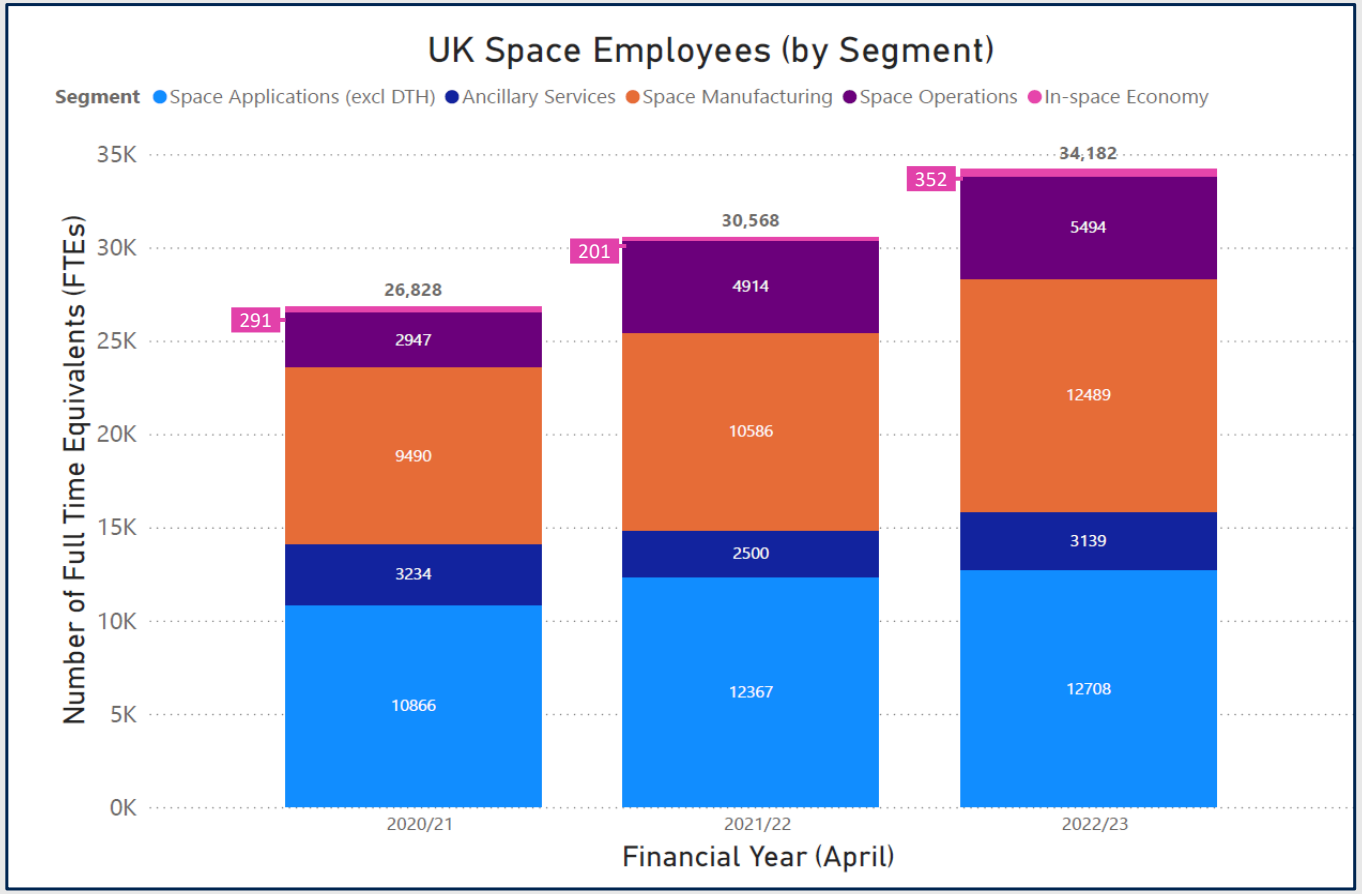
Non-DTH space workforce percentage growth (year-on-year):

2019/20	2020/21	2021/22	2022/23	4-year average
-0.27%	6.36%	13.94%	11.82%	**7.96%**

Numbers rounded to the nearest ten. Due to rounding, categories may not add up to total values.

SPACE SKILLS DASHBOARD – 3

Current UK Space Workforce: **Size and Health**



Workforce increased in all 5 segment areas

Positive year-on-year workforce growth for all segments in the Financial Year 2022/23:

- Space Manufacturing **(+18.0%)**
- Space Operations **(+11.8%)**
- In-space Economy **(+75.1%)**
- Space Applications **(+2.8%)**
- Ancillary Services **(+25.6%)**

Size and Health of the UK Space Industry

Annual report (biennial prior to 2020) commissioned by UKSA, combining an industrial survey with secondary research to provide economic analysis of the space industry.

On workforce, it covers total employment broken down by **segment**, based on a detailed list of activities.

There is some additional workforce information on region and demographic characteristics (qualification level, age, gender, nationality and ethnicity), although based on low response rates (~80 responses).

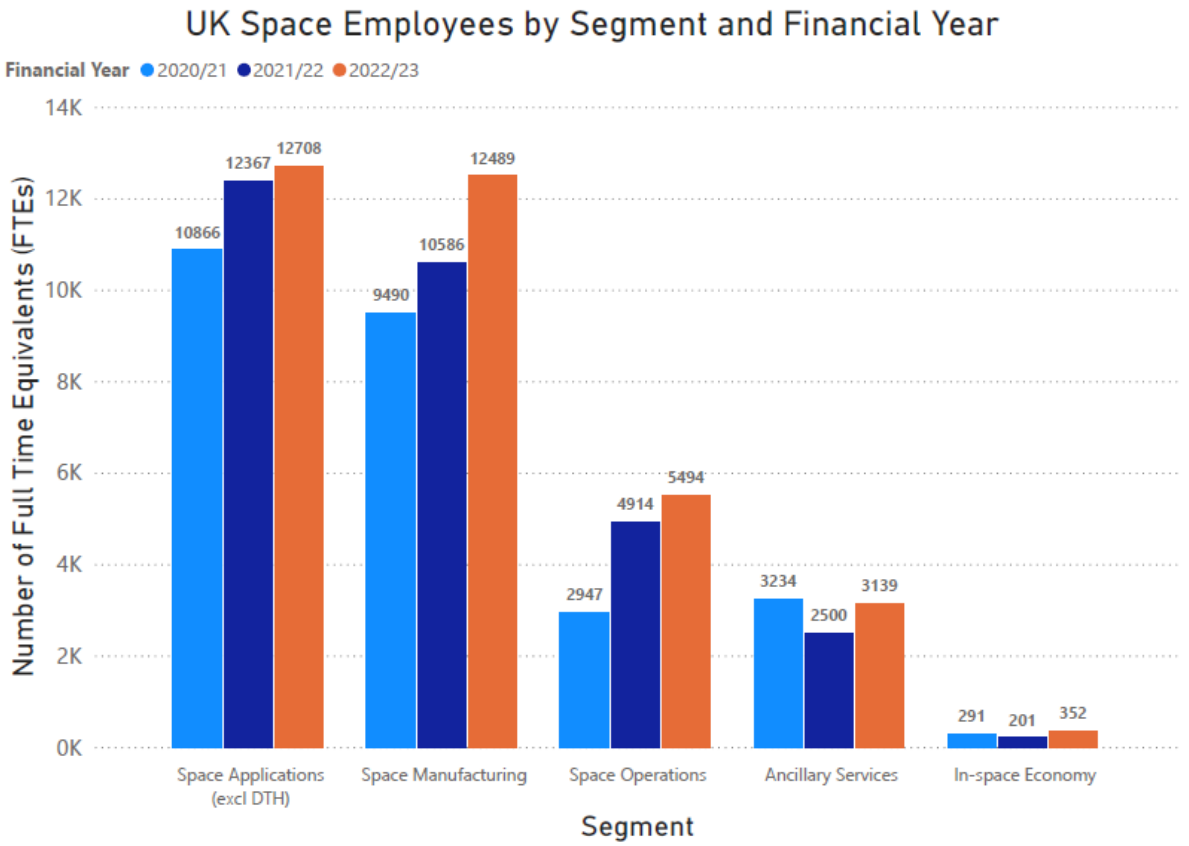
Segments (examples of activities):

- **Space Manufacturing** (Launch vehicles, payloads, research etc)
- **Space Operations** (Launch services, Ground station network etc)
- **In-space Economy** (In-orbit servicing, Debris removal etc)
- **Space Applications** (Communication services, Data processors etc)
- **Ancillary Services** (Insurance, Legal, Software, Financial, Policy etc)

Full list of activities on page 28

Data coverage: **United Kingdom**

SPACE SKILLS DASHBOARD – 3 Current UK Space Workforce: **Size and Health**



Workforce increased in all 5 segment areas

Positive year-on-year workforce growth for all segments in the Financial Year 2022/23:

- Space Manufacturing **(+18.0%)**
- Space Operations **(+11.8%)**
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Size and Health of the UK Space Industry

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- **Space Applications** (Communication services, Data processors etc)
- **Ancillary Services** (Insurance, Legal, Software, Financial, Policy etc)

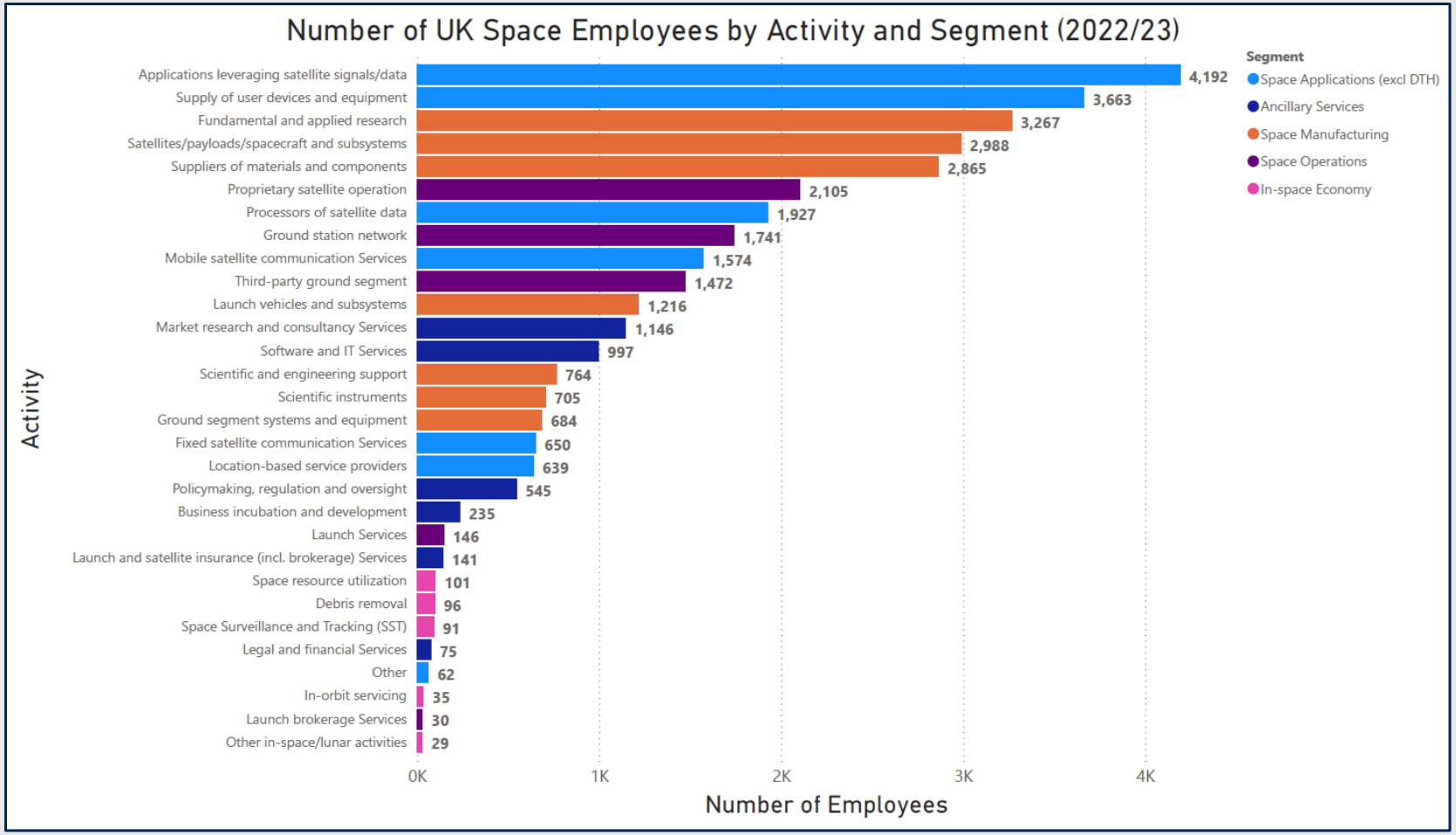
Full list of activities on page 28

Data coverage: **United Kingdom**

SPACE SKILLS DASHBOARD – 3

Current UK Space Workforce: **Size and Health**

Total Space Workforce (excluding DTH): 34,182
Segment breakdown by detailed list of activities



Size and Health 2024: Workforce Growth by Activity

Year-on-Year: 2021/22 to 2022/23

INCREASED:

- Third-Party Ground Segment **(+719)**
- Suppliers of materials and components **(+674)**
- Market research and consultancy **(+439)**
- Applications leveraging satellite signals/data **(+387)**
- Processors of satellite data **(+370)**

DECREASED:

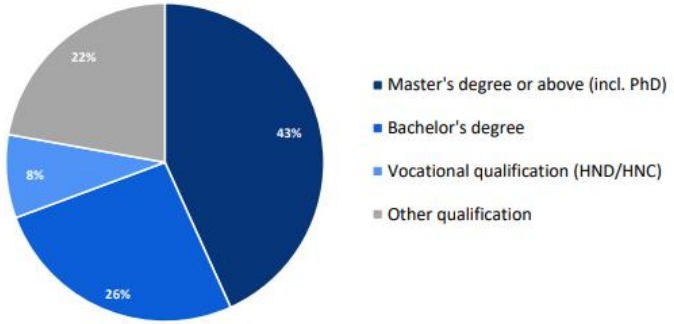
- Fixed satellite communication services **(-358)**
- Proprietary satellite operation **(-122)**
- Supply of user devices and equipment **(-107)**
- Legal and financial services **(-102)**
- Launch services **(-46)**

SPACE SKILLS DASHBOARD – 3 Current UK Space Workforce: **Size and Health**

Additional Data on the Space Workforce in the Size and Health 2024

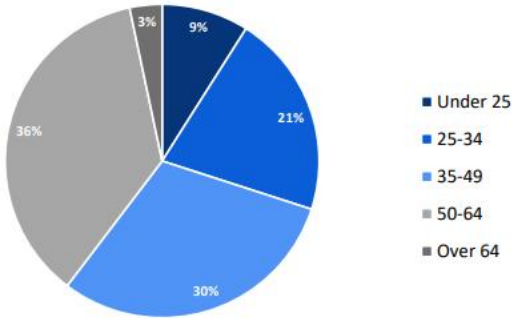
Workforce breakdown by: Qualification level, Age, Gender, Nationality & Ethnicity

Workforce Breakdown… …by Highest Educational Qualification



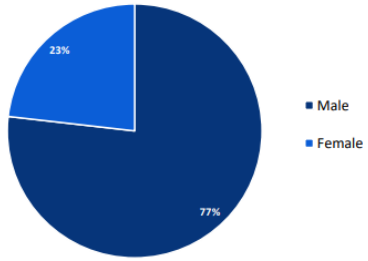
Note: Based on 80 responses. These statistics are collected from survey responses, representing a sample of the UK space industry, and therefore may not be representative of the UK space industry as a whole. Percentages may not sum exactly due to rounding.
Source: London Economics' analysis of Size & Health survey data

…by Age



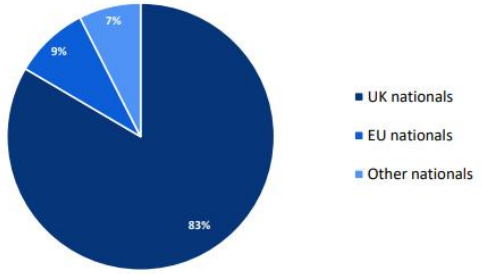
Note: Based on 81 responses. These statistics are collected from survey responses, representing a sample of the UK space industry, and therefore may not be representative of the UK space industry as a whole. Percentages may not sum exactly due to rounding.
Source: London Economics' analysis of Size & Health survey data

…by Gender



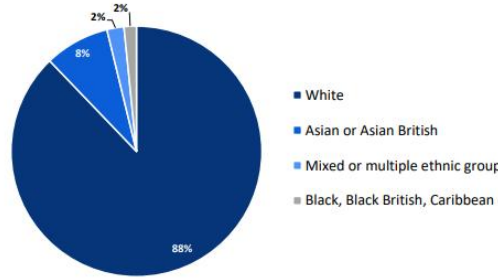
Note: Based on 83 responses. These statistics are collected from survey responses, representing a sample of the UK space industry, and therefore may not be representative of the UK space industry as a whole. Percentages may not sum exactly due to rounding. Statistics for "other" and "prefer not to say" have been suppressed due to concerns regarding statistical disclosure.
Source: London Economics' analysis of Size & Health survey data

…by Nationality



Note: Based on 83 responses. These statistics are collected from survey responses, representing a sample of the UK space industry, and therefore may not be representative of the UK space industry as a whole. Percentages may not sum exactly due to rounding.
Source: London Economics' analysis of Size & Health survey data

…by Ethnicity



Note: Based on 71 responses. These statistics are collected from survey responses, representing a sample of the UK space industry, and therefore may not be representative of the UK space industry as a whole. Percentages may not sum exactly due to rounding. The statistic for "other" has been suppressed due to concerns regarding statistical disclosure.
Source: London Economics' analysis of Size & Health survey data

Figures: Size and Health of the UK Space Sector 2024

SPACE SKILLS DASHBOARD – 3

Current UK Space Workforce: **Space Sector Skills Survey**

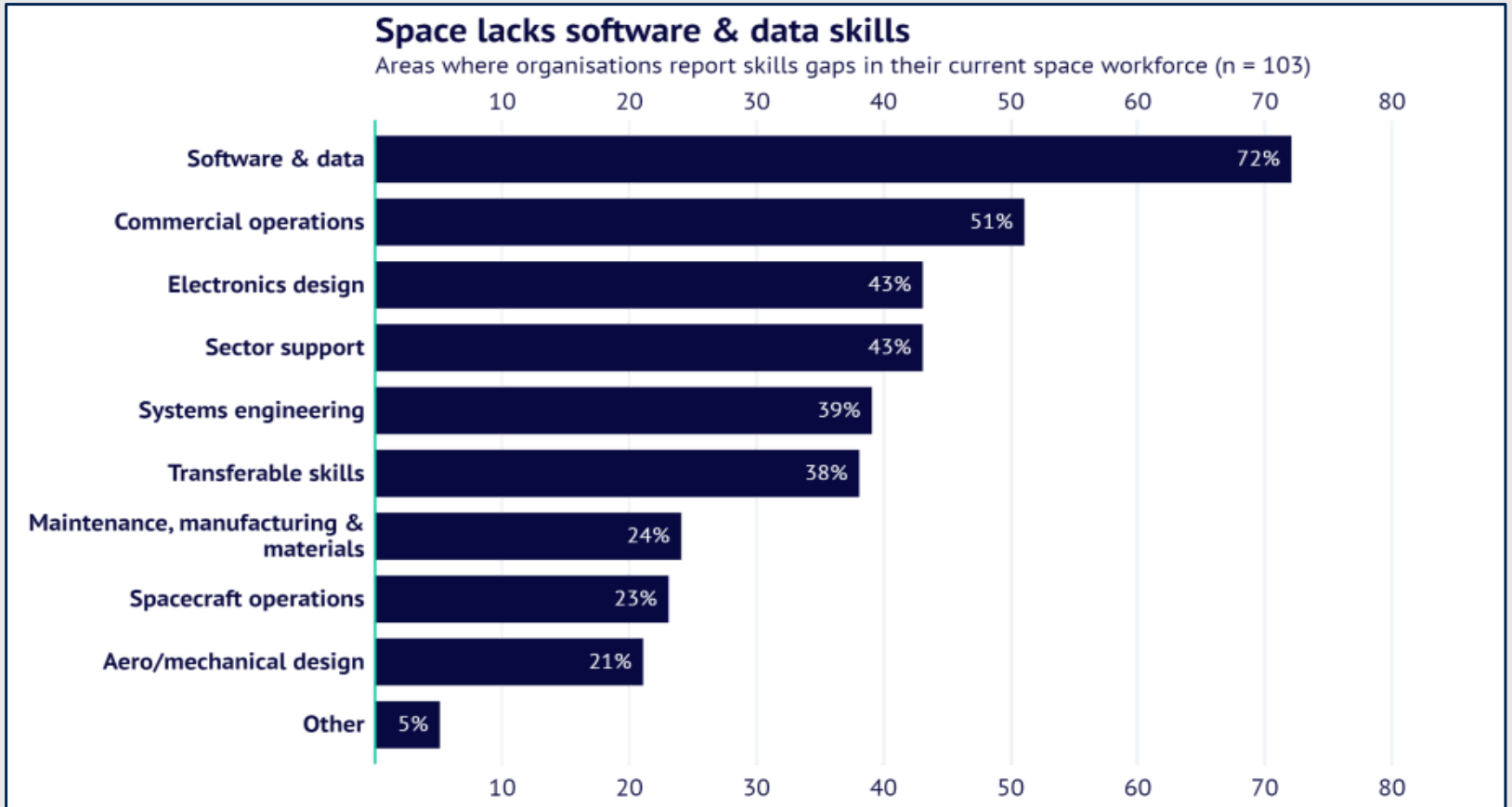


Figure: Skills Survey 2023 (Space Skills Alliance; know.space)

9 Skills Themes (Adapted from the SpaceCRAFT competencies framework)

Aero/mechanical design	**Spacecraft operations**	**Sector support** (regulation, training, economic analysis)
Systems engineering	**Maintenance, manufacturing & materials**	**Commercial operations** (business development, finance, project management)
Electronics design	**Software & data**	**Transferable skills** (teamwork, time management, communication)

Space Sector Skills Survey

Commissioned by UKSA and BIST every 2 years.
Surveys space sector organisations, covering:

- **Skills gaps** (current, future, cause & impact)
- **Recruitment** (by skills, seniority, location, organisation size, segment, abroad, skills gaps & recruitment difficulties)
- **Education engagement** (scale, type, apprenticeships)
- **Training provision** (scale, type, barriers)
- **Retention** (scale, reasons, impact)

Skills Survey 2023:

- **Responses from 218 organisations** (representing 12% of space companies employing around 12,000 people)
- **High proportion of industry responses** (86%), academia (9%), government (3%), third sector (2%)
- **52% of organisations reported skills gaps** in their current space workforce

Data coverage: **United Kingdom**

Sources

Space Sector Skills Survey 2023 *(Space Skills Alliance; know.space)*
Space Sector Skills Survey 2020 *(BMG Research)*

SPACE SKILLS DASHBOARD – 3

Current UK Space Workforce: **Space Sector Skills Survey**

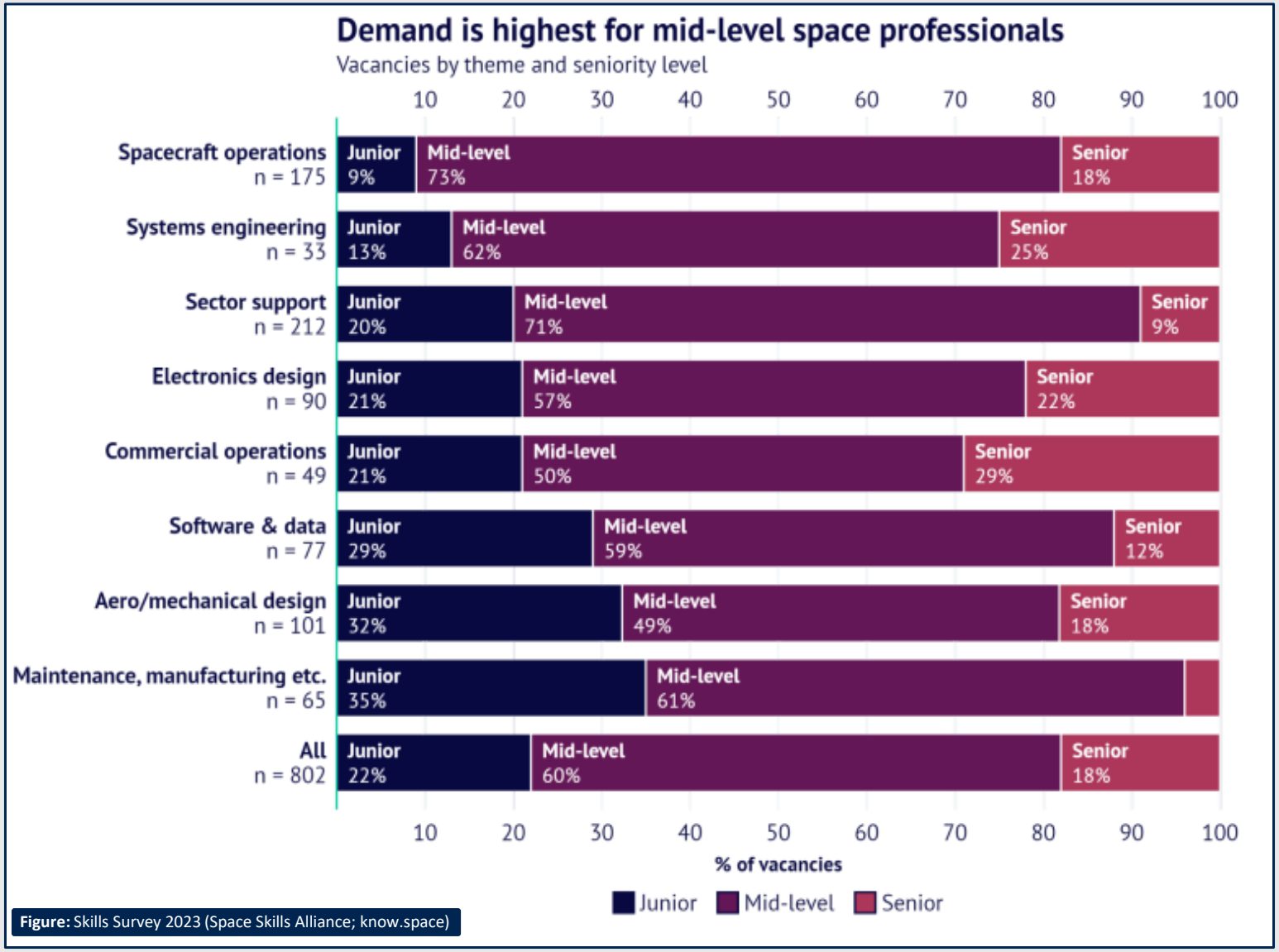


Figure: Skills Survey 2023 (Space Skills Alliance; know.space)

Space Sector Skills Survey

Skills Survey 2023 – Recruitment:

- **62% of surveyed organisations had recruited**
  48% primarily to expand, **15%** to replace leavers
- **Approximate hiring rate of 12%**
  based on **1,500 roles** recruited for across a combined space workforce of **12,000** (surveyed organisations)
- **Systems engineering is a challenging area**
  with a high demand and high recruitment difficulty
- **Graduate schemes/Internships are oversubscribed**
  Space Placements in Industry (SPIN) scheme reported an average of 58 applications per internship in 2021
- **80% of organisations faced recruitment difficulties**
  of the 62% who had recruited, reporting a lack of specialised skills/qualifications and/or a lack of applicants
- **Competition from other sectors**
  is cited as the main issue behind recruitment difficulties (**68%** of surveyed organisations who were hiring), with competition from other space companies (**45%**) and uncompetitive pay (**39%**) as other reasons

Sources

Space Sector Skills Survey 2023 *(Space Skills Alliance; know.space)*
Space Sector Skills Survey 2020 *(BMG Research)*

SPACE SKILLS DASHBOARD – 3

Current UK Space Workforce: **Space Census**

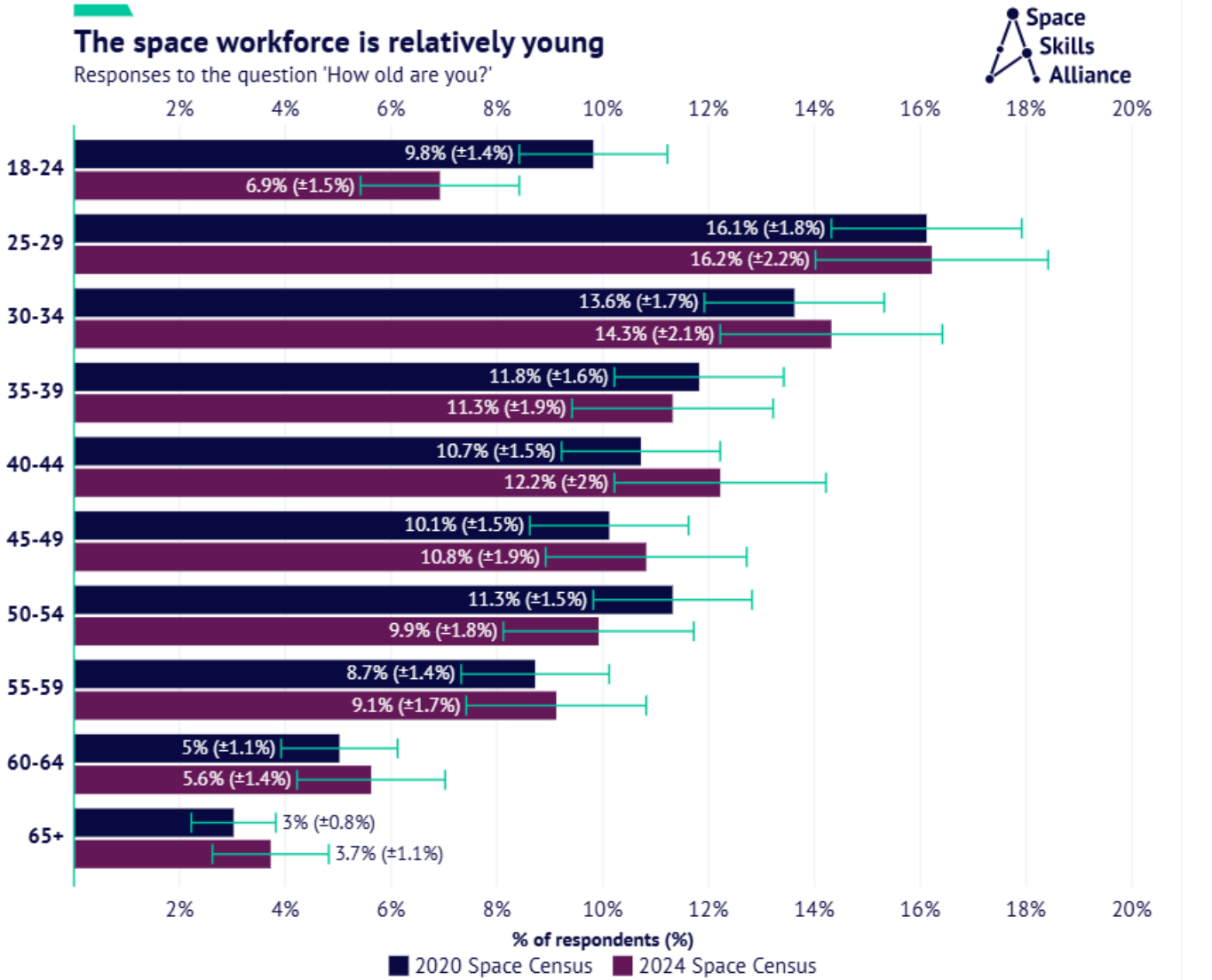


Figure 28: Responses to the question *How old are you?*.
2020 Space Census n = 1547 | 2024 Space Census n = 1019

Figure: 2024 Space Census (Space Skills Alliance)

Space Census

Survey conducted by Space Skills Alliance.
Captures individual-level data across three areas:

- **Workforce demographics** (age, gender, ethnicity etc)
- **Work information** (role, company, salary etc)
- **Lived experience** (including career entry points and experiences of discrimination)

2024 Space Census:

- Surveyed **1,025 people** from **258 named organisations** (~2.6% of the UK space workforce, excluding DTH)

Total Space Workforce (excluding DTH):

34,180
Size and Health 2024

Of which, estimated 37% are under 35 (Space Census):

12,650
Aged under 35

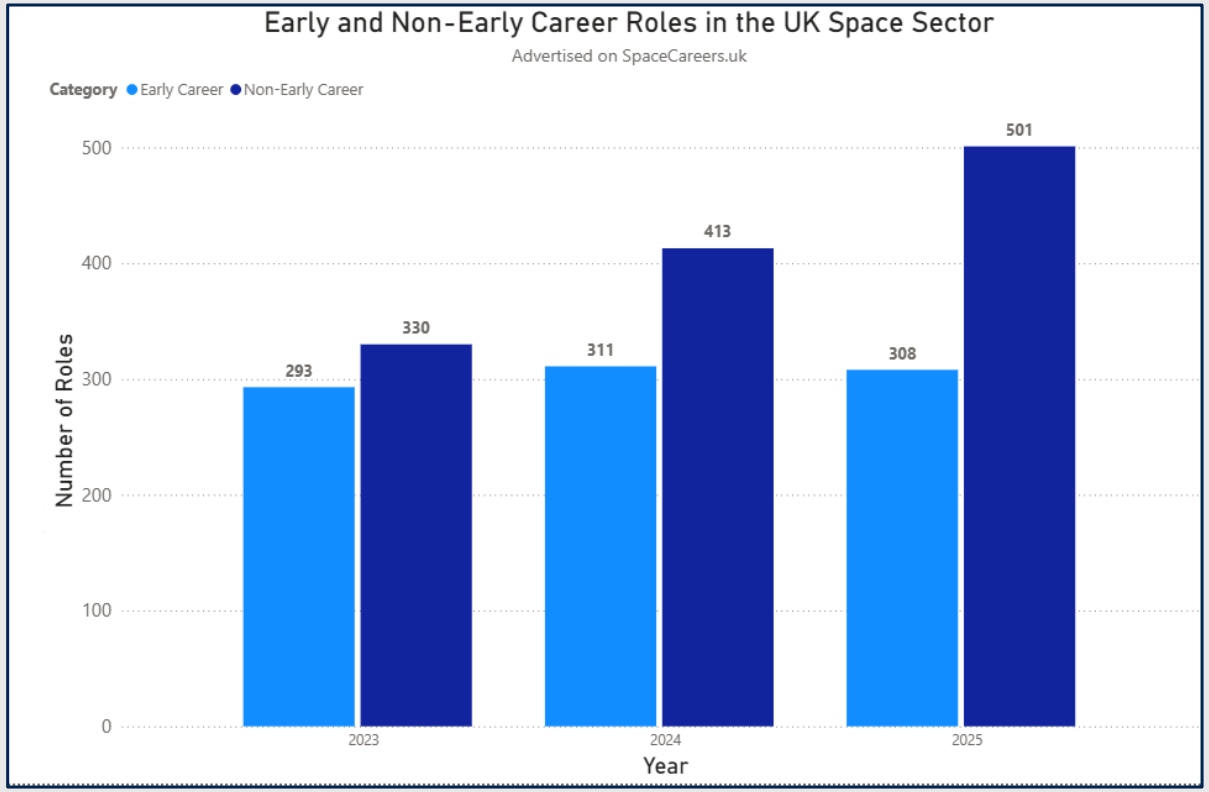
21,530
Aged 35+

Sources

2024 Space Census (Demographics of the UK Space Sector 2024)
2020 Space Census

SPACE SKILLS DASHBOARD – 3

Current UK Space Workforce: **Roles advertised on SpaceCareers.uk**



Roles Advertised on SpaceCareers.uk

Dataset excluded internships, work experience, volunteering and PhD positions, and only considered jobs situated in the UK.

Early Career is defined as roles requiring 3 or fewer years of relevant experience

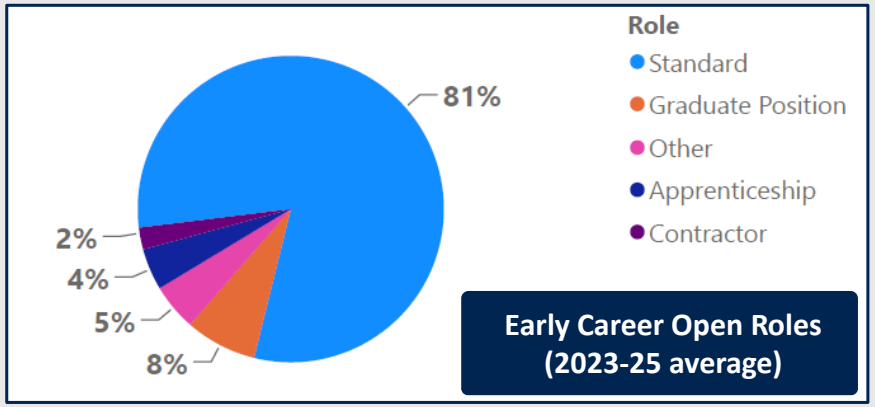
- **Average of 300 early career roles per year**
  Believed by SpaceCareers.uk to be representative of the sector due to good links with relevant hiring organisations and high consistency with 2017-2022 data. Of which, on average:
  - **81%** are Standard Employment
  - **8%** are Graduate Scheme roles
  - **4%** are Apprenticeship roles
- **Estimate of 7,000–12,000 total roles in the sector per year**
  From extrapolating the Size and Health reports (estimating employee turnover and growth), and comparing the ratio of organisations advertising on SpaceCareers.uk to the total number of organisations

Note: some listings on the website may combine multiple roles

Source

SpaceCareers.uk

(Report commissioned by Space Partnership for the Space Skills Advisory Panel)



Early Career Open Roles (2023-25 average)

Additional Data on PhD and Internship roles

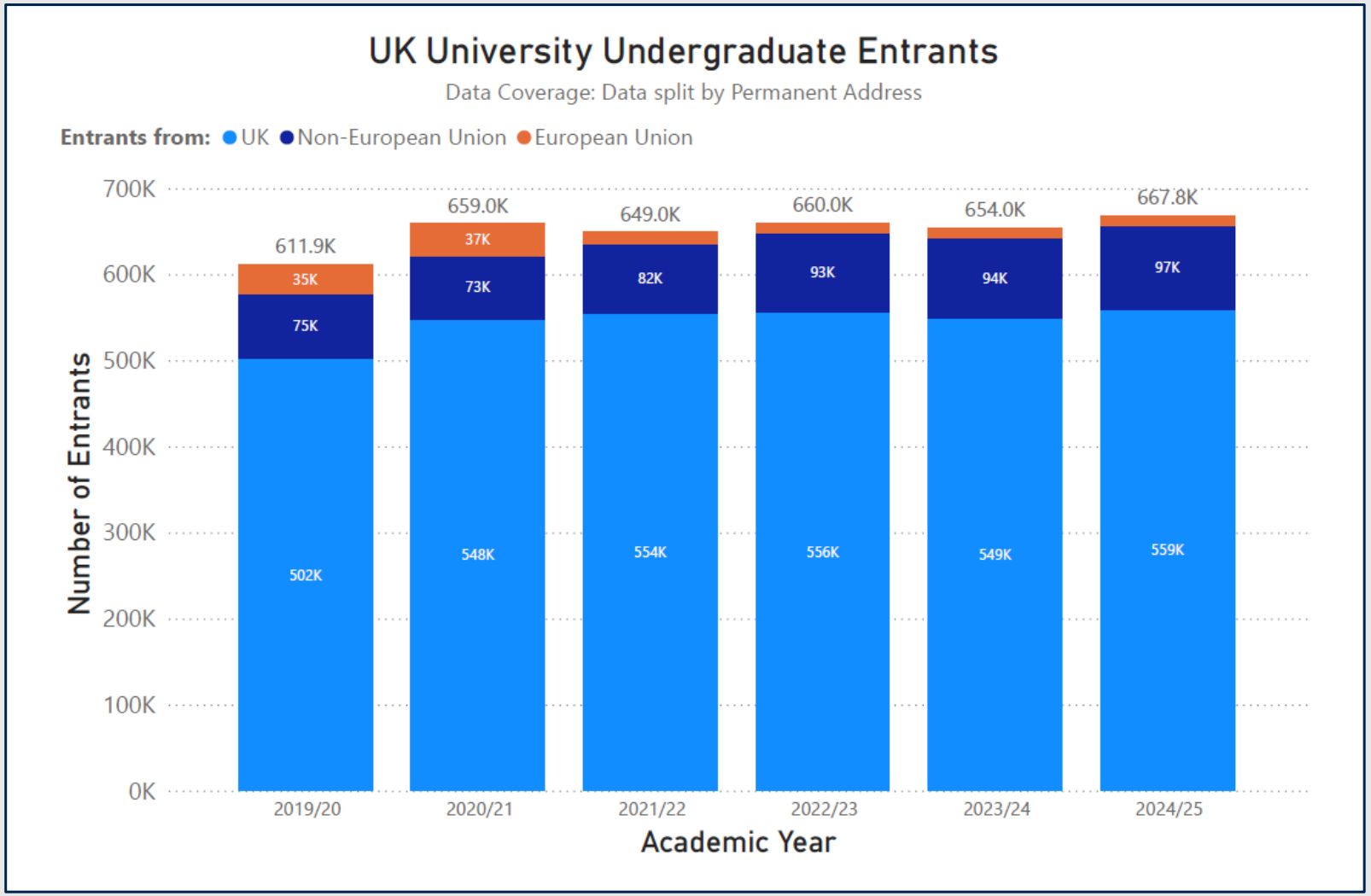
The report also includes data on the number of internships and PhD roles between 2023-25 (excluded from the main dataset).

Role	2023	2024	2025	3-year average
Internship	33	119	81	**78**
PhD	33	31	20	**28**

Further Detail: Other

SPACE SKILLS DASHBOARD – OTHER

Total Undergraduate Entrants at UK Universities

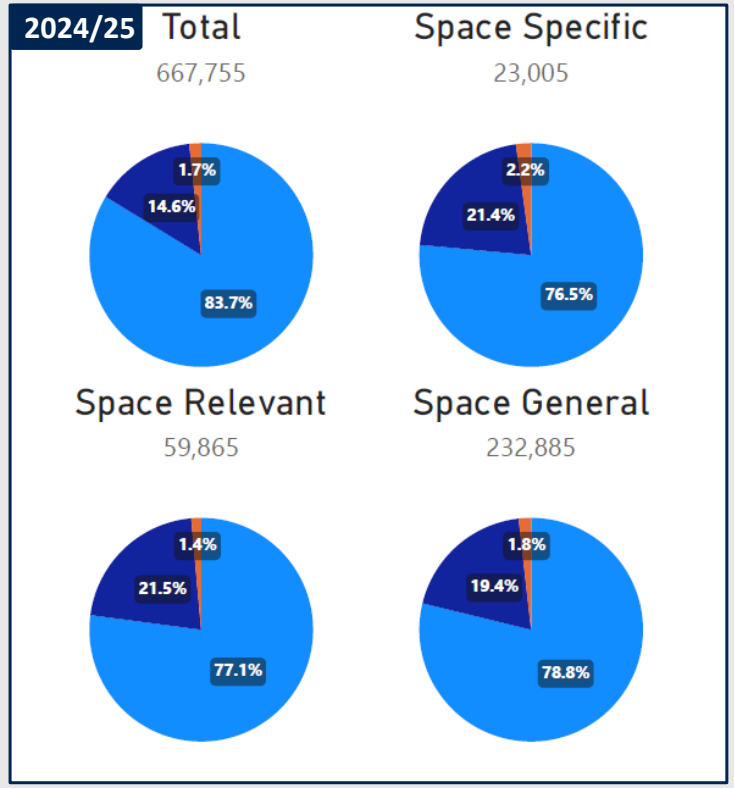


Source: HESA (Higher Education Statistics Agency): HE student enrolments by subject

Total Undergraduate Entrants at UK Universities

Number of starts on undergraduate degree courses (First Degree). Data split by country of residence prior to starting a course.

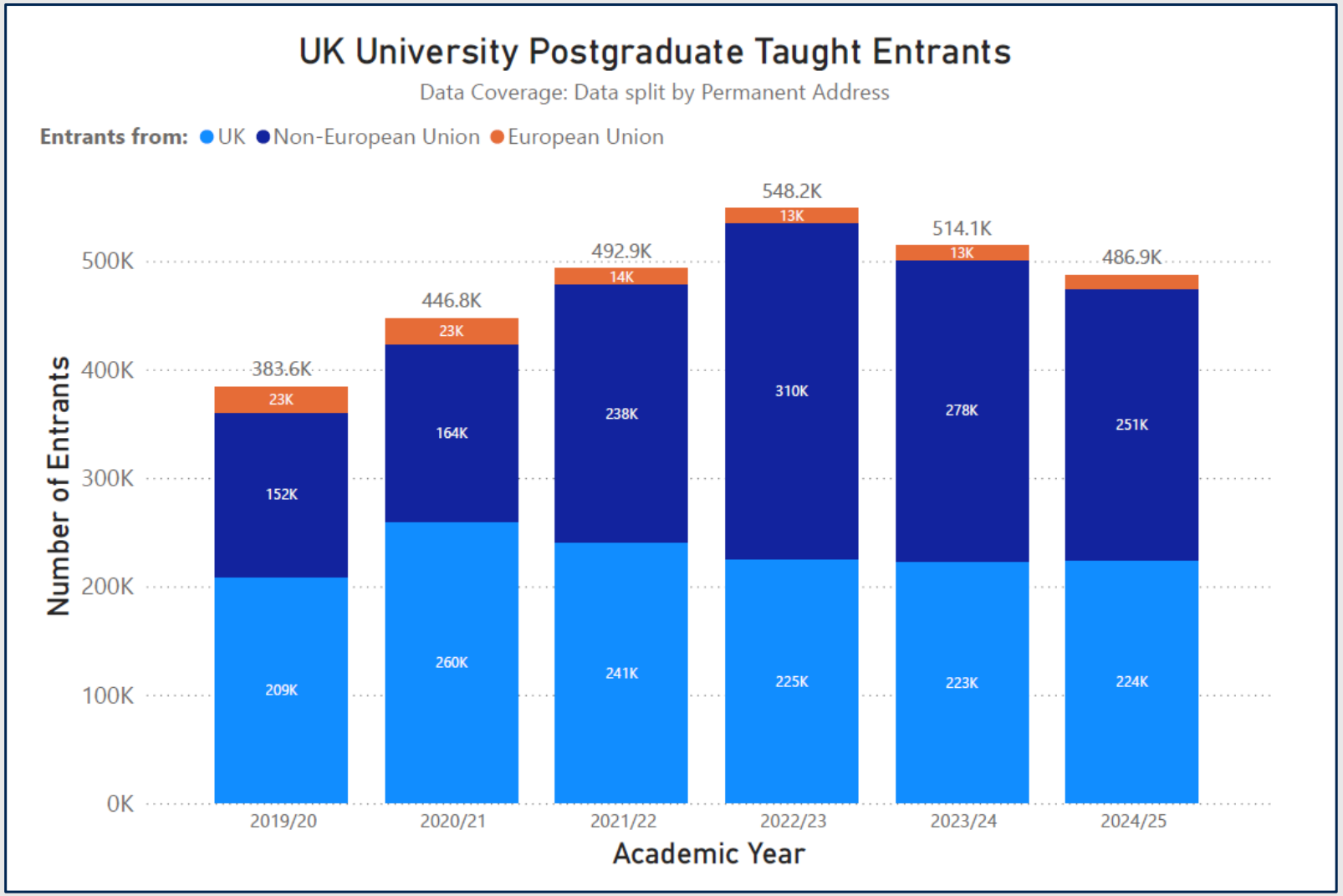
Non-European Union: Students whose permanent home address prior to commencing their programme of study was outside the EU and UK



Numbers rounded to the nearest thousand. Chart categories have been rounded to the nearest hundred and may therefore not sum exactly to the total values shown. Smaller categories may not be labelled.

SPACE SKILLS DASHBOARD – OTHER

Total Postgraduate (Taught) Entrants at UK Universities



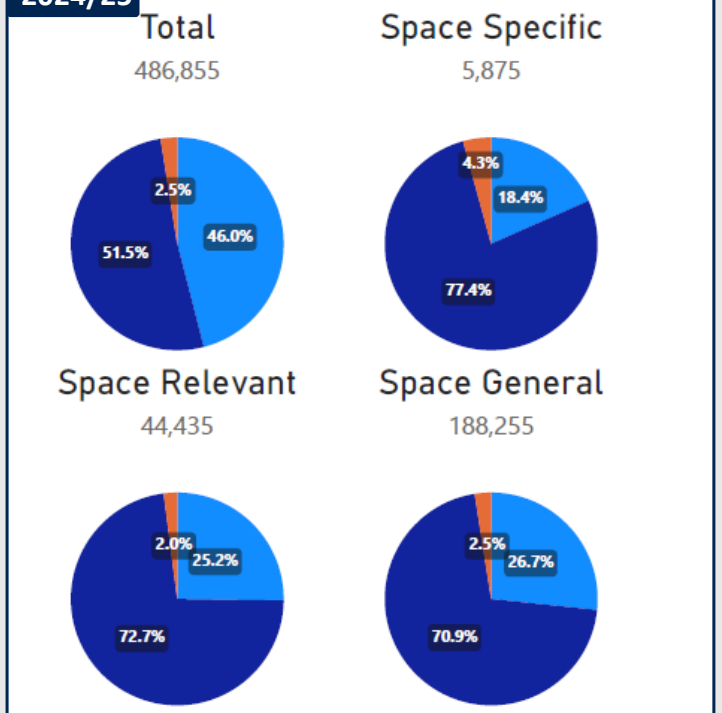
Source: HESA (Higher Education Statistics Agency): HE student enrolments by subject

Total Postgraduate (Taught) Entrants at UK Universities

Number of starts on postgraduate degree courses (Taught). Data split by country of residence prior to starting a course.

Non-European Union: Students whose permanent home address prior to commencing their programme of study was outside the EU and UK

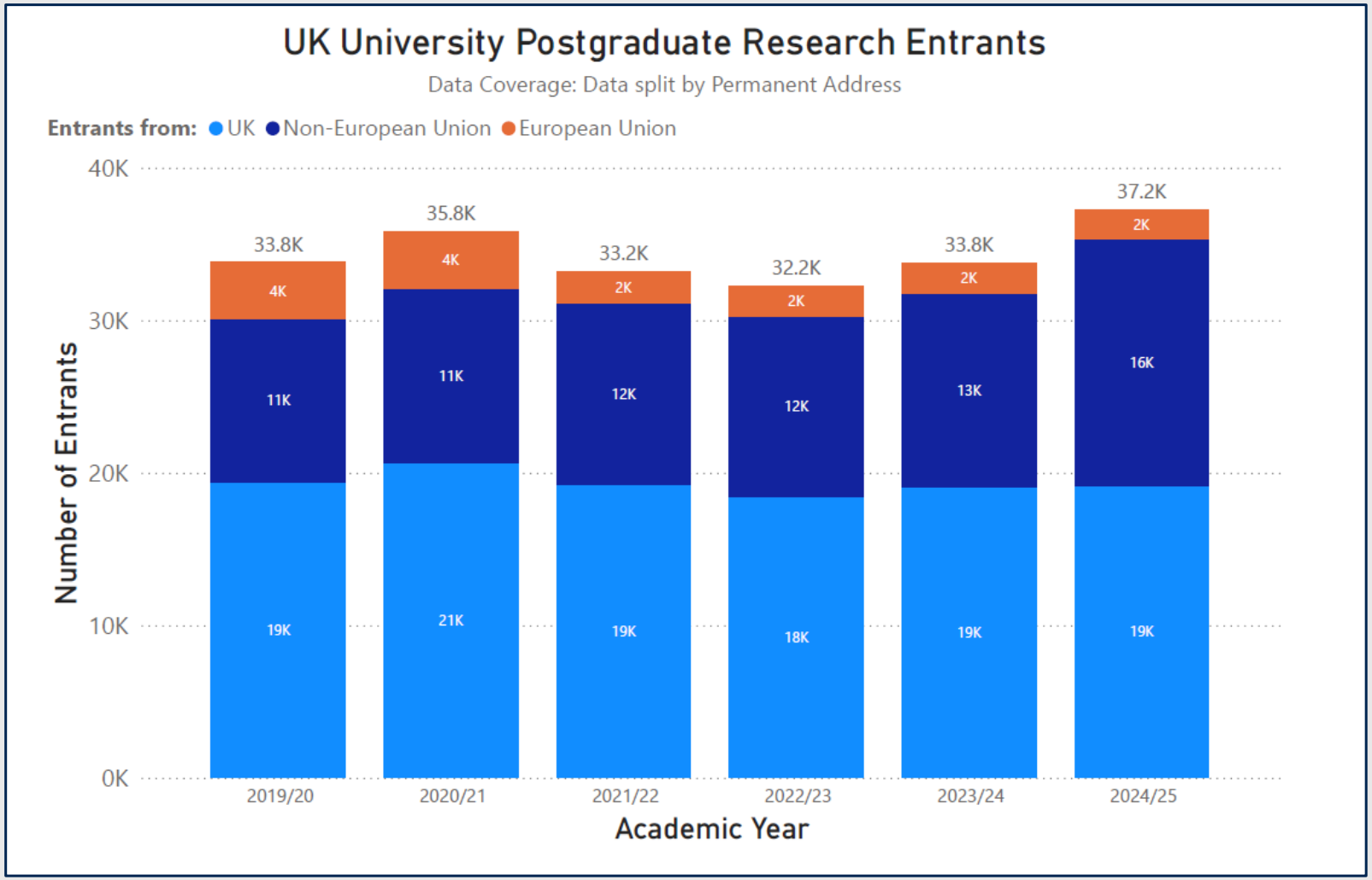
2024/25



Numbers rounded to the nearest hundred or thousand. Due to rounding, categories may not add up to total values. Smaller categories may not be labelled.

SPACE SKILLS DASHBOARD – OTHER

Total Postgraduate (Research) Entrants at UK Universities

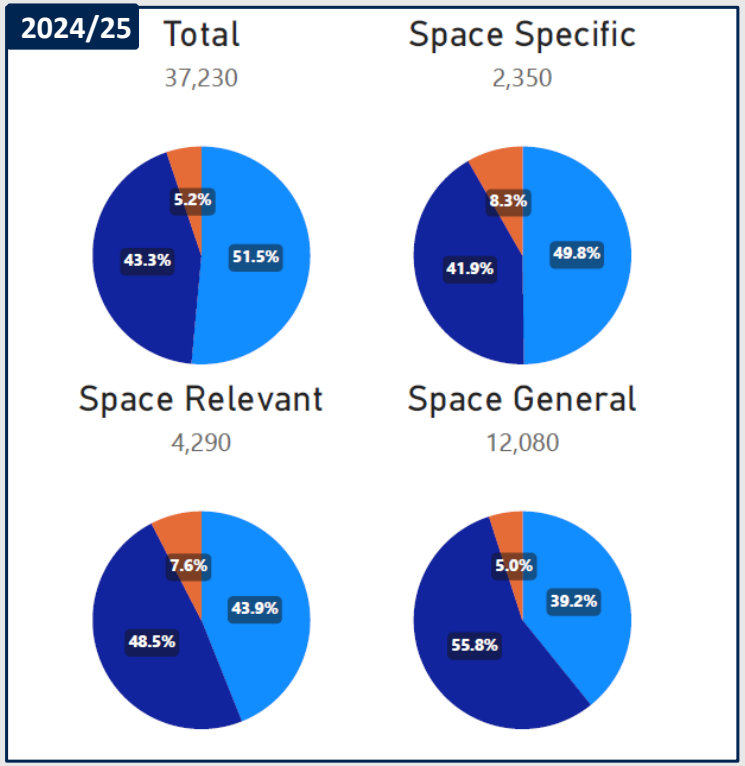


Source: HESA (Higher Education Statistics Agency): HE student enrolments by subject

Total Postgraduate (Research) Entrants at UK Universities

Number of starts on postgraduate degree courses (Research). Data split by country of residence prior to starting a course.

Non-European Union: Students whose permanent home address prior to commencing their programme of study was outside the EU and UK



Numbers rounded to the nearest hundred or thousand. Due to rounding, categories may not add up to total values. Smaller categories may not be labelled.

Appendix A – Taxonomies

Space Specific Courses

Higher Education Classification of Studies (HECoS)		Apprenticeships (All levels)					
First Degree, Postgraduate Taught & Postgraduate Research		Level 2 and 3 (2023/24)					
UK (2024/25)		England		Wales	Scotland (standardised to RQF levels)		Northern Ireland	
Mechanical engineering	7,580	Engineering	60	-	Engineering	1,770	Engineering	638
Physics	4,505	Engineering Technician	5,490					
Electrical and electronic engineering	3,175	Level 4 to 7 (2022/23)						
Aerospace engineering	2,685	Aerospace Engineer	170	-	-		-	
Astrophysics	615	Propulsion Technician	40					
Electronic engineering	560	Space Engineering Technician	10					
Electrical engineering	200							
Astronomy	180							
Space technology	145							
Geophysics	65							
Space science	50							
Planetary science	45							
Satellite engineering	35							
5 or fewer entrants/starts								
Aerospace propulsion systems								
Avionics								

Space Relevant Courses

(1/3)

Higher Education Classification of Studies (HECoS) UK 2024/25 (Entrants: First Degree, Postgraduate Taught & Postgraduate Research)					
Computer science	21,705	Environmental geoscience	185	Engineering geology	15
Mathematics	7,970	Aviation studies	160	Geochemistry	15
Computer and information security	5,045	Systems engineering	160	Analogue circuit engineering	10
Software engineering	3,815	Nuclear engineering	150	Engineering physics	10
Computing and information technology	3,775	Control systems	140	Exploration geology	10
Environmental sciences	2,300	Engineering and industrial mathematics	140	Fluid mechanics	10
Artificial intelligence	2,055	Electromechanical engineering	120	High performance computing	10
Computer networks	1,095	Climate change	115	Hydrogeology	10
Data management	955	Programming	100	Radiation physics	10
Aeronautical engineering	795	Computational mathematics	95		
Engineering design	745	Computer aided engineering	80		
Mechatronics and robotics	685	Telecommunications engineering	75		
Information systems	605	Nuclear and particle physics	65		
Geology	595	Acoustics	55		
Research skills	535	Databases	45		
Earth sciences	465	Meteorology	45	**5 or fewer entrants/starts**	
Theoretical physics	440	Climate science	40		
Computer systems engineering	430	Mathematical modelling	35	Applied physics	
Information technology	415	Computational physics	30	Atmospheric physics	
Applied computing	380	Remote sensing	30	Computer architectures	
Materials engineering	360	Acoustics and vibration	25	Condensed matter physics	
Machine learning	310	Electromagnetism	25	Emergency and disaster technologies	
Manufacturing engineering	290	Thermodynamics	25	Exploration geophysics	
Environmental engineering	285	Geotechnical engineering	20	Geomorphology	
Materials science	225	Minerals technology	20	Laser physics	
Applied environmental sciences	215	Surveying	20	Microelectronic engineering	
Applied science	210	Aerodynamics	15	Microwave engineering	
Applied mathematics	185	Applied geology	15	Systems analysis and design	
Emergency and disaster management	185	Digital circuit engineering	15		

Space Relevant Courses

(2/3)

Apprenticeship starts							
Level 2 and 3 (2023/24)							
England		**Wales**		**Scotland (standardised to RQF levels)**		**Northern Ireland**	
Installation and Maintenance Electrician	7,570	Engineering Manufacture	980	Digital Applications	587	Vehicle Maintenance and Repair	542
Data Technician	6,160	Vehicle Maintenance and Repair	610	IT and Telecommunications	288	Electrotechnical	533
Information Communications Technician	3,090	Electrotechnical Installation - with Foundation Core	350	IT: Software Development	90	Warehousing and Storage	129
Engineering Operative	1,800	Improving Operational Performance (Engineering Direct Entry)	195	Scientific Technologies	89	Electrical Power Engineering	38
Supply Chain Warehouse Operative	1,760	Other Sector Frameworks - Manufacturing	145	Process Manufacturing	54	IT User	30
Machining Technician	1,230	Electrotechnical Installation - Post Level 2	115	Gas Engineering	43	Information Technology	18
Engineering Fitter	1,060	Sustainable Resource Management	105	Digital Technology	37	Logistics Operations	18
Maritime Mechanical and Electrical Mechanic	480	Rail Infrastructure Engineering	95	Engineering Construction	27	IT and Telecoms Professional	13
Laboratory Technician	420	Electrotechnical Installation - Post Foundation	85	Life Science and Related Science Industries	27	Vehicle Parts	8
Rail Engineering Technician	360	Digital Learning Design	75	Industrial Applications	18	Aviation Operations on the Ground	7
Science Manufacturing Technician 2014	340	Electrotechnical Installation - Post Progression	55	IT: Hardware/System Support	7	Scientific Technologies	6
Welder	340	IT, Software, Web & Telecoms Professionals	50				
Engineering Design Technician	260	Other Sector Frameworks - Engineering	40	**5 or fewer entrants/starts**		**5 or fewer entrants/starts**	
Telecoms Field Operative	240	Engineering HNC Only	35	Extractive and Mineral Processing		Industrial Coatings	
IT Solutions Technician	220	Process Manufacturing	20	Information Security		Polymer Processing Operations	
Aviation Maintenance Mechanic	200	Digital Application Support	15	Rail Engineering		Vehicle Fitting	
Software Development Technician	190	Supply Chain Management	10	Scientific, Technical and Formulation Processing			
Supply Chain Practitioner (Fast-Moving Consumer Goods (FMCG))	190			Sustainable Resource Management			
Science Industry Maintenance Technician	170	**5 or fewer entrants/starts**					
Aviation Ground Operative	110	Electrotechnical					
Non-Destructive Technologies Technician	100						
Radio Network Technician	90						
Aircraft Maintenance Technician	80						
Aviation Movement Specialist	60						
Science Manufacturing Process Operative	60						
Utilities Engineering Technician	60						
Aviation Ground Specialist	50						
Digital Engineering Technician	40						
+ 17 additional qualifications with fewer than 40 starts in 2023/24							

Space Relevant Courses
(3/3)

Apprenticeship starts							
Level 4 to 7 (2022/23)							
England		**Wales**		**Scotland (standardised to RQF levels)**		**Northern Ireland**	
Data Analyst	5,380	Other Sector Frameworks - Engineering	40	Electrical Installation	951	Engineering and manufacturing technologies	285
Digital and Technology Solutions Professional	1,940	Data Analytics	45	IT and Telecommunications Technical Apprenticeship	196	Information and communication technology	100
Software Developer	960	Supply Chain Management	15	IT: Software Development	130	Computing	60
Network Engineer	920	Sustainable Resource Management	10	Engineering: Design and Manufacture	120	Engineering and technology	40
Digital and Technology Solutions Specialist (Integrated Degree)	810			Data Analytics Technical Apprenticeship	82	Science and mathematics	25
Engineering Manufacturing Technician	610			Information Security Technical Apprenticeship	82	Physical sciences	15
Cyber Security Technologist (2021)	430			Data Science	55		
Manufacturing Engineer (Degree)	360			Cyber Security L10	50		
Artificial Intelligence (AI) Data Specialist	350			Cyber Security L11	50		
Product Design and Development Engineer (Degree)	320			IT: Management for Business	35		
DevOps Engineer	260			Engineering: Instrumentation, Measurement & Control	20		
Data Scientist (Integrated Degree)	220			**+ 7 additional qualifications with fewer than 20 starts in 2022/23**			
Scientist	210						
Supply Chain Leadership Professional (Integrated Degree)	200						
Software Tester	190						
Systems Thinking Practitioner	120						
Cyber Security Technical Professional (Integrated Degree)	110						
Electrical or Electronic Technical Support Engineer (Degree)	110						
Electrical Power Networks Engineer	110						
Embedded Electronic Systems Design and Development Engineer (Degree)	110						
Rail Engineering Advanced Technician	100						
Air Traffic Controller	90						
Control Systems Engineer (Degree)	70						
Research Scientist	70						
Technician Scientist	70						
+ 31 additional qualifications with fewer than 70 starts in 2022/23							

Space General Courses

(1/3)

Space Partnership

Higher Education Classification of Studies (HECoS) UK 2024/25 (First Degree, Postgraduate Taught & Postgraduate Research combined)							
Business and management	46,065	Energy engineering	775	Structural engineering	130	Mining engineering	20
Law	37,070	Business economics	770	Applied biology	125	Broadcast engineering	15
Business studies	24,990	Automotive engineering	685	Marine technology	125	Hydrography	15
Management studies	13,830	Digital media	685	Building technology	110	Nanotechnology	15
Biomedical sciences	9,930	Environmental management	685	Pure mathematics	100	Applied microbiology	10
Accounting	8,900	Financial economics	670	Analytical chemistry	95	Bioelectronics	10
Marketing	8,665	Strategic management	665	Biomechanics	90	Inorganic chemistry	10
Finance	8,245	Production and manufacturing engineering	595	Electrical power	85	Maintenance engineering	10
General or integrated engineering	4,995	Environmental geography	465	Statistical modelling	80	Petroleum geology	10
Legal practice	4,515	Business law	455	Applied chemistry	75	Polymer science and technology	10
Chemistry	4,255	Advertising	385	Safety engineering	75	Quality management	10
Construction management	4,185	Financial mathematics	365	Biochemical engineering	70	Requirements engineering	10
International business	4,120	Logistics	365	Public law	70		
Biological sciences	4,065	Construction and the built environment	355	Systems thinking	65		
Civil engineering	3,940	Physical sciences	345	Systems auditing	55		
Biology	3,520	Microbiology	340	Chemical physics	35		
Media and communication studies	3,520	Business information technology	325	E-business	35		
Graphic design	3,080	Construction	310	Financial risk	35		
Quantity surveying	2,935	Interactive and electronic design	295	Geological hazards	35		
Project management	2,895	Business computing	280	Information modelling	35		
Biochemistry	2,395	Actuarial science	275	Management accountancy	35	**5 or fewer entrants/starts**	
Chemical engineering	2,130	Bioinformatics	260	Environmental risk	30	Biomaterials	
Human resource management	1,995	Applied statistics	240	Industrial chemistry	30	Biophysical science	
Physical geography	1,885	Applied economics	230	Marine engineering	30	Corrosion technology	
Accountancy	1,695	Information services	220	Petroleum engineering	30	Electrical power distribution	
Geography	1,420	Business information systems	200	Environmentalism	25	Electrical power generation	
Design	1,300	Ocean sciences	200	Financial reporting	25	Geological oceanography	
Building surveying	970	Strategic studies	200	Knowledge and information systems	25	Glaciology and cryospheric systems	
Product design	935	Biotechnology	185	Metallurgy	25	Hydrology	
Statistics	915	Geographical information systems	185	Numerical analysis	25	Insurance	
General science	860	Information management	165	Object-oriented programming	25	Metal work	
Financial management	855	Marine sciences	165	Physical chemistry	25	Minerals processing	
Biomedical engineering	845	Public administration	155	Environmental chemistry	20	Operating systems	
Natural sciences	845	Bioengineering	140	Industrial biotechnology	20	Polymer chemistry	
Public policy	800	Operational research	140	Market research	20	Structural mechanics	

Space General Courses

(2/3)

Apprenticeship starts							
Level 2 and 3 (2023/24)							
England		**Wales**		**Scotland** (standardised to RQF levels)		**Northern Ireland**	
Business Administrator	12,680	Management	685	Construction: Building	1,631	Construction	600
Assistant Accountant	3,410	Business and Administration	605	Automotive	1,234	Construction Crafts	323
HR Support	2,260	Construction - with Foundation Core	505	Construction: Technical	1,198	Team Leading	147
Accounts or Finance Assistant	1,980	Accounting	320	Freight Logistics	1,181	Management	119
Insurance Practitioner	820	Providing Financial Services	190	Construction: Civil Engineering	998	Vehicle Body and Paint	110
Trade Supplier	510	Digital Skills for Business	180	Business & Administration	908	Business Administration	103
Construction Plant Operative	460	Construction - Post Foundation	175	Construction L5	600	Providing Financial Services	89
Civil Engineering Technician	440	Other Sector Frameworks - Construction	150	Business Skills	353	Heating, Ventilation, Air Conditioning & Refrigeration	51
Safety, Health and Environment Technician	430	Construction - Post Level 2 Framework	150	Construction: Specialist	297	Construction Technical	16
Payroll Administrator	390	Social Media and Digital Marketing	105	Creative and Digital Media	275	**+ 2 additional qualifications with fewer than 5 starts in 2023/24**	
Financial Services Administrator	370	Operations and Quality Improvement	90	Providing Financial Services	254		
IT Technical Salesperson	370	Human Resource Management	80	Electronic Security Systems	115		
Procurement and Supply Assistant	340	Vehicle Body and Paint Operations	75	Accounting	86		
Senior Financial Services Customer Adviser	340	Warehousing and Storage	75	Heating, Ventilation, Air Conditioning and Refrigeration	83		
Construction Support Technician	190	Energy Management	70	Facilities Services	72		
Compliance and Risk Officer	180	Improving Operational Performance	65	Land-based Engineering	65		
International Freight Forwarding Specialist	180	Legal Services	65	Accountancy	59		
Marketing Assistant	130	Construction (Technical and Professional)	50	Civil Engineering	47		
Financial Services Customer Adviser	110	Facilities Management	45	Procurement	45		
Marine Engineer	100	Information Advice and Guidance	45	Power Distribution	36		
Project Controls Technician	90	Construction (Specialist)	40	Financial Services	30		
Pensions Administrator	70	Other Sector Frameworks - Management and Professional	35	Creative and Cultural	14		
Advertising and Media Executive	50	Construction (Civil Engineering) - Apprenticeship	35	**+ 5 additional qualifications with fewer than 5 starts in 2023/24**			
Bid and Proposal Co-Ordinator	50	**+ 7 additional qualifications with fewer than 35 starts in 2023/24**					
Marine Electrician	50						
+ 11 additional qualifications with 10 or fewer starts in 2023/24							

Space General Courses
(3/3)

Apprenticeship starts							
Level 4 to 7 (2022/23)							
England		**Wales**		**Scotland** (standardised to RQF levels)		**Northern Ireland**	
Operations Manager	9,770	Management Level 4	1,025	Construction: Professional Apprenticeship	764	Business, administration and law	195
Accountancy or Taxation Professional	9,550	Management Level 5	725	Management	525	Business and management	145
Associate Project Manager	3,160	Information Advice and Guidance	415	Business Management	350	Construction, planning and the built environment	135
Professional Accounting Technician	2,640	Project Management	235	Digital Marketing	263		
Chartered Manager (Degree)	2,620	Business and Administration	140	Civil Engineering L10	125		
People Professional	2,000	Human Resource Management	125	Construction and the Built Environment	100		
Business Analyst	1,460	Accounting	110	Construction: Technical Apprenticeship	80		
Chartered Surveyor (Degree)	1,460	Construction Management Level 4	65	Accounting	55		
Sales Executive	1,050	Social Media and Digital Marketing	55	Project Management Technical Apprenticeship	45		
Procurement and Supply Chain Practitioner	710	Other Sector Frameworks - Business Administration	30	Paralegal Practice	20		
Project Manager (Integrated Degree)	670	Other Sector Frameworks - Management and Professional	20	Business Administration Technical Apprenticeship	19		
Civil Engineer	630	Higher Apprenticeship in Insurance	20	Facilities Management	15		
Construction Quantity Surveying Technician	550	**+ 5 additional qualifications with 5 or fewer starts in 2022/23**		Creative Media	11		
Construction Site Supervisor	550			**+ 5 additional qualifications with fewer than 10 starts in 2022/23**			
Insurance Professional	450						
Academic Professional	420						
Financial Services Professional	340						
Civil Engineering Senior Technician	300						
Marketing Executive	300						
Quality Practitioner	300						
Senior Insurance Professional	300						
Actuary	200						
Construction Quantity Surveyor (Degree)	190						
Construction Design and Build Technician	160						
Public Relations and Communications Assistant	160						
+ 5 additional qualifications with fewer than 160 starts in 2022/23							

Courses not included in Space Taxonomy

(1/3)

Higher Education Classification of Studies (HECoS) UK 2024/25 (First Degree, Postgraduate Taught & Postgraduate Research combined)							
Psychology	34,465	Counselling	3,360	Primary education	1,970	Cinematics	1,015
Nursing	17,125	Health sciences	3,340	Musical theatre	1,930	Audio technology	1,010
Adult nursing	16,260	Diagnostic imaging	3,315	Higher education	1,905	Early childhood studies	980
Health and social care	15,335	Creative writing	3,265	Forensic psychology	1,885	Clinical dentistry	955
Primary teaching	12,600	Occupational therapy	3,070	Optometry	1,880	Event management	955
Criminology	11,640	Film production	2,970	Sports therapy	1,845	Marine biology	940
Education studies	10,390	Secondary teaching	2,965	Applied psychology	1,785	Biodiversity conservation	935
Economics	10,275	Healthcare science	2,865	Computer games design	1,730	Childhood studies	910
History	9,725	Clinical practice nursing	2,685	Classical studies	1,705	Linguistics	900
Social work	9,585	Health psychology	2,625	Computer games	1,650	International development	890
Sport and exercise sciences	9,070	Sports coaching	2,600	Veterinary medicine	1,635	English language	880
Apportioned teacher training	8,410	Human geography	2,505	Speech and language therapy	1,600	Musicianship and performance studies	880
Pharmacy	8,245	Acting	2,485	Zoology	1,570	Physician associate studies	870
Clinical medicine	7,615	Leadership	2,445	Real estate	1,530	Planning	865
Politics	6,780	Journalism	2,405	Media production	1,510	Social policy	860
Mental health nursing	6,555	Policing	2,360	Drama	1,470	Animal science	850
Architecture	6,450	Forensic science	2,350	History of art	1,390	Criminal justice	835
Pre-clinical medicine	5,305	Fashion	2,305	Sports management	1,390	Business psychology	780
Paramedic science	5,035	Neuroscience	2,250	Modern languages	1,360	Liberal arts	770
Physiotherapy	5,010	Higher education teaching	2,225	Animation	1,350	Visual communication	750
Midwifery	5,005	Psychotherapy	2,210	Music production	1,320		
English literature	4,730	Social sciences	2,210	Childhood and youth studies	1,310		
Combined studies	4,575	Photography	2,175	Creative arts and design	1,275		
Sociology	4,450	Fashion design	2,125	Nutrition	1,255		
Children's nursing	4,375	Medicine	2,115	Early years education	1,230		
Music	4,200	Film studies	2,105	Archaeology	1,225	**+ 592 additional qualifications with fewer than 750 starts in 2024/25**	
Health studies	4,135	Illustration	2,095	Humanities	1,130		
Fine art	3,930	Environmental and public health	2,085	Community nursing	1,125		
International relations	3,905	Professional practice in education	2,085	Theology and religious studies	1,100		
English studies	3,790	Interior design and architecture	2,030	Dance	1,080		
Philosophy	3,665	Clinical psychology	1,995	Operating department practice	1,045		
Pharmacology	3,385	Medical sciences	1,995	Computer animation and visual effects	1,030		

Courses not included in Space Taxonomy

(2/3)

Apprenticeship starts							
Level 2 and 3 (2023/24)							
England		**Wales**		**Scotland** (standardised to RQF levels)		**Northern Ireland**	
Early Years Educator	15,300	Health and Social Care	4,975	Social Services and Healthcare	2,284	Health and Social Care	1,134
Team Leader	13,760	Childrens Care, Learning And Development	1,285	Food and Drink Operations	838	Children's Care Learning and Development	528
Lead Adult Care Worker	9,490	Hospitality and Catering	645	Social Services Children and Young People	740	Food and Drink	435
Early Years Practitioner	6,460	Health - Clinical Healthcare Support	400	Hospitality	678	Hospitality	434
Adult Care Worker	6,240	Supporting Teaching and Learning in Schools	370	Hairdressing & Barbering	606	Plumbing	219
Hairdressing Professional	5,230	Hairdressing	365	Retail	444	Plumbing and Heating	210
Teaching Assistant	4,660	Customer Service	285	Hospitality L5	370	Catering and Professional Chefs	199
Carpentry and Joinery	4,150	Exercise and Fitness	275	Social Services and Healthcare	335	Retail	169
Customer Service Practitioner	4,100	Health - Dental Nursing	235	Horticulture	249	Hairdressing	167
Dental Nurse (Integrated)	3,700	Playwork	165	Active Leisure, Learning and Wellbeing	135	Agriculture	108
Motor Vehicle Service and Maintenance Technician - Light Vehicle	3,090	Plumbing and Heating - with Foundation Core	165	Healthcare Support	103	Customer Service	105
HM Forces Serviceperson (Protective Services)	2,780	Train Driving	150	Customer Service	103	Landbased Service Engineering	67
Plumbing and Domestic Heating Technician	2,590	Plumbing and Heating- Post Level 2	140	Aquaculture	97	Pharmacy Services	45
Hospitality Team Member	2,380	Health - Healthcare Support Services	135	Agriculture	94	Fire and Security Systems	40
Pharmacy Technician (Integrated)	2,360	Learning and Development	105	Fashion & Textile Heritage	93	**+ 15 additional qualifications with fewer than 40 starts in 2023/24**	
Hospitality Supervisor	2,300	Retail	95	Upstream Oil and Gas Production	64		
Retailer	2,290	Beauty Therapy	80	Glass Industry Occupations	50		
Production Chef	2,230	Health - Pharmacy Services	80	**+ 30 additional qualifications with fewer than 50 starts in 2023/24**			
Maintenance and Operations Engineering Technician	2,050	Barbering	75				
Bricklayer	1,990	Leisure Management	70				
Senior Healthcare Support Worker	1,990	Housing	65				
Autocare Technician	1,980	Horticulture	60				
Customer Service Specialist	1,730	Activity Leadership	60				
Commis Chef	1,600	Veterinary Nursing	60				
+ 301 additional qualifications with fewer than 1,600 starts in 2023/24		**+ 15 additional qualifications with fewer than 60 starts in 2023/24**					

Courses not included in Space Taxonomy

(3/3)

Apprenticeship starts							
Level 4 to 7 (2022/23)							
England		**Wales**		**Scotland** (standardised to RQF levels)		**Northern Ireland**	
Senior Leader	6,110	Professional Practice in Health and Social Care	420	Social Services (Children and Young People)	2,107	Health, public services and care	50
Children, Young People and Families Practitioner	4,710	Leadership and Management of Health and Social Care	325	Policing	878	Retail and commercial enterprise	45
Nursing Associate (NMC 2018)	4,520	Professional Practice in Children's Care, Play, Learning and Development	175	Plumbing and Heating	461	Architecture, building and planning	45
Police Constable (Integrated Degree)	4,520	Leadership and Management of Children's Care, Play, Learning and Development	85	Hospitality Supervision & Leadership	402	Leisure, travel and tourism	10
Leader in Adult Care	3,930	Hospitality Management	60	Dental Nursing	401	**+ 8 additional qualifications with fewer than 10 starts in 2022/23**	
Registered Nurse Degree (NMC 2018)	2,700	Associate Ambulance Practitioner	50	Firefighting	270		
Coaching Professional	2,100	Playwork	40	Social Services (Children and Young People) Technical	245		
Lead Practitioner in Adult Care	1,890	Health and Social Care Independent Advocacy	40	Hospitality Management Skills Technical	211		
Early Years Lead Practitioner	1,610	Retail Management	30	Social Services and Healthcare Technical	153		
Children, Young People and Families Manager	1,350	Health and Social Care - Social Services Practitioner	10	Pharmacy Services Technical	139		
Teacher	1,330	**+ 6 additional qualifications with fewer than 10 starts in 2022/23**		Achieving Excellence in Sports Performance	134		
Advanced Clinical Practitioner (Integrated Degree)	1,310			Care Services Leadership and Management	75		
Hospitality Manager	1,250			Early Learning and Childcare	50		
Associate Ambulance Practitioner	1,060			Veterinary Nursing	44		
Retail Manager	1,060			Occupational Health & Safety Practice	29		
Social Worker (Integrated Degree)	1,060			Optical Practice Support	11		
Assistant Practitioner (Health)	890			**+ 5 additional qualifications with fewer than 10 starts in 2022/23**			
Improvement Practitioner	860						
Paramedic	800						
Solicitor	780						
Learning and Skills Teacher	630						
+ 147 additional qualifications with fewer than 600 starts in 2022/23							

Appendix B – Methodology

Appendix B – Methodology

Section	Comment
Education **(Slide 4)**	• These figures are a snapshot from various years / sources, and do not represent a specific cohort progressing through the education system. • Numbers are rounded to the nearest five hundred. • Unless otherwise stated, categories are UK-wide. • Figures for GCSEs and A Levels / Equivalent are reported totals; all other categories are the aggregate of courses. • Education covers all courses and is not limited to those aligned with the space sector. • Duration is approximate and based on full-time study. • A-level / Equivalent currently only covers England. This will be updated to UK-wide, subject to sourcing data for Scotland, Wales & Northern Ireland. • To enable comparison with England, Wales & Northern Ireland, apprenticeship data has been standardised for Scotland from the Scottish Credit and Qualifications Framework (SCQF) to the Regulated Qualifications Framework (RQF), using the qualification comparison on Qualifications Scotland. • Scottish apprenticeships offered at more than one level are counted at the lowest level. As a result, Level 2 and 3 starts may be slightly overestimated and Level 4 to 7 starts slightly underestimated. • Latest data is 2024/25 (academic year) for GCSEs, A-Levels, undergraduate & postgraduate. • Latest data is 2023/24 (Level 2 and 3) and 2022/23 (Level 4 to 7) for UK-wide apprenticeships, when considering all 4 countries and their individual frameworks: • **England**: 2019/20 – 2024/25 • **Wales**: 2012/13 – 2024/25 • **Scotland**: Foundation (2016/17 – 2023/24), Modern (2020/21 – 2025/26), Graduate (2017/18 – 2022/23) • **Northern Ireland**: ApprenticeshipsNI (2013/14 – 2024/25), Higher Level Apprenticeships – Further Education (2020/21 – 2024/25), Higher Level Apprenticeships – Higher Education (2019/20 – 2023/24) **For further notes on specific categories and datasets, see pages 53-54**

Appendix B – Methodology

Section	Comment
Space Aligned Qualifications **(Slide 5)**	• These figures are a snapshot from various years / sources, and do not represent a specific cohort progressing through the education system. • Latest data is 2024/25 for Undergraduates and Postgraduates, 2023/24 for Level 2 and 3 Apprenticeships, 2022/23 for Level 4 to 7 Apprenticeships. As the data covers different years, values have been combined to provide an indicative estimate of annual starts. • Breakdown by qualification type is unrounded. Space Aligned 'Indicative Annual Starts' are rounded to the nearest hundred, totals for each qualification to the nearest five hundred. • Due to data availability, all 119 Scottish apprenticeship roles (under the Modern framework) have been manually mapped to the levels that they are offered at via the Scottish Credit and Qualifications Framework (SCQF) register. SCQF levels have been standardised to RQF levels to enable comparison with England, Wales & Northern Ireland. Where a qualification spans multiple levels, this has been translated to RQF as follows: • **SCQF Levels 4/5 –** RQF Levels 1 / Level 2 • **SCQF Levels 5/6 –** RQF Levels 2 / Level 3 • **SCQF Levels 5/7 –** RQF Level 2 / Level 4 • **SCQF Levels 5/6/7 –** RQF Level 2 / Level 3 / Level 4 • **SCQF 5/6/8 –** RQF Level 2 / Level 3 / Level 5 • **SCQF 6/7 –** RQF Level 3 / Level 4 • Qualifications at SCQF 4/5 (equivalent to level 1/2) have been excluded from the total, as pupils in Scotland undertake these as part of a school pathway and are therefore expected to be captured through the school census (GCSEs/equivalent) • Qualifications that are offered at more than one level spanning across both 'Level 2 and 3' and 'Level 4 to 7' have been counted in the category that is the lowest level (Level 2 and 3). There are around 5,500 starts that fall under this definition in 2023/24, of which ~100 are Space Relevant, ~2600 Space General, ~2800 Not included in the Space Taxonomy. As such, Space Aligned apprenticeship starts for Level 2 and 3 may be a slight overestimation, and Level 4 to 7 an underestimation. **Space Partnership have assigned all qualifications (Apprenticeships L2-3 and 4-7, Undergraduate & Postgraduate degrees) to one of the following categories:** • **Space Specific:** Courses most prevalent in the UK space sector workforce, as identified in the Space Skills Alliance report '*How and why people join the UK space sector*'. Examples of qualifications include *Engineering (Aerospace, Electrical, Mechanical), Physics* • **Space Relevant:** Courses that are directly relevant to the UK space sector (*e.g. Computer Science, Mathematics, Environmental Science)* • **Space General:** Courses that support the wider operation of UK space sector organisations (*e.g. Business, Law, Finance, Marketing)* • **Not included in the Space Taxonomy:** Courses not included in one of the above categories (*e.g. Psychology, Nursing)* • Each qualification title was reviewed against the category definitions to determine where the most appropriate classification. Categories are not fixed and may change over time. A qualification may be assigned to different categories at different levels depending on the specificity of the title. For Level 2 and 3 apprenticeships, 'Engineering' was placed in Space Specific as no further detail was available to differentiate between engineering disciplines. • Appendix A lists the qualifications in each taxonomy, ordered by number of students, starting courses in 2024/25 (Undergraduate & Postgraduate), 2023/24 (Level 2 and 3 Apprenticeships, split by devolved administration) or 2022/23 (Level 4 to 7 Apprenticeships, split by devolved administration) **For further notes on specific categories and datasets, see pages 55**

Appendix B – Methodology

Section	Comment
Current UK Space Workforce **(Slide 6)**	• These figures are from various sources so do not represent a direct pipeline from qualifications to individuals working in the sector. • As noted in 'Space Aligned', all qualifications (Apprenticeships Level 2 and 3, Apprenticeships Level 4 to 7, Undergraduate & Postgraduate degrees) have been assigned by Space Partnership to one of the following categories: • **Space Specific:** Courses most prevalent in the UK space sector workforce as identified in the Space Skills Alliance report '*How and why people join the UK space sector*'. Examples of qualifications include *Engineering (Aerospace, Electrical, Mechanical), Physics* • **Space Relevant:** Courses that are directly relevant to the UK space sector (*e.g. Computer Science, Mathematics, Environmental Science)* • **Space General:** Courses that support the wider operation of UK space sector organisations (*e.g. Business, Law, Finance, Marketing)* • **Not included in the Space Taxonomy:** Courses not included in one of the above categories (*e.g. Psychology, Nursing)* • The under 35/35+ workforce split applies the age distribution reported in the Space Census 2024 (37% aged under 35) to employment estimates from the Size and Health 2024 . This approach is used because both sources exclude Direct-to-Home broadcasting for this measure. It assume that the age distribution of the space workforce remained broadly stable between the 2022/23 financial year (covered by Size and Health) and the Space Census 2024. Although Size and Health estimates that 30% of the total space workforce (incl DTH) is aged under 35, the 37% figure from the Space Census is used in the dashboard to ensure consistency with the exclusion of DTH broadcasting. • Early Career is defined as roles requiring 3 or fewer years of experience. Early-career open roles is the average number per year (300 between 2023 and 2025) from SpaceCareers.uk analysis, which the Space Skills Advisory Panel (SSAP) agreed was 'expected to be the correct order of magnitude'. • The SpaceCareers.uk analysis also provides an estimated range on the typical number of total roles advertised for each year (between 2023 and 2025), extrapolated from the number of roles advertised on the website, based on employee turnover and growth. **For further notes on specific categories and datasets, see page 56**

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Page	Comment
8	**Turning 16 and taking GCSEs/equivalent in 2024/25** • Age data is based on the age as of 31 August (previous academic year) for England and Wales, set at 15 to capture students turning 16 over the course of the year. Scotland and Northern Ireland use year group data only. Northern Ireland is the aggregate of year group data at individual school level. • Year group data was standardised across all devolved administrations (e.g. Age 15: Year 11 (England & Wales), S4 (Scotland), Year 12 (Northern Ireland)) • England data uses data from two datasets to provide historic data. cross-reference sources. When the datasets overlap (2015/16-2018/19), an average of the two has been used. • Scotland and Northern Ireland school census data was compared against population data as a check. Only school census data is used in the dashboard. • Student numbers were projected to 2034/35 using 2024/25 school population data. Each projected year is based on the size of the UK cohort (aged 5-14 in 2024/25) and the corresponding academic year in which that cohort will turn 16 and take GCSEs/equivalent. • Presented as GCSEs / equivalent to cover all qualification systems e.g. Scottish National 5.
9	**A-level or equivalent entries in England in 2024/25** • Covers number of students taking A-levels, Applied General and Tech levels across England. • Currently covers England only. This will be updated to UK-wide, subject to sourcing data for Scotland, Wales & Northern Ireland.
10-11	**Level 2 & 3 Apprenticeship Starts in 2023/24** • Latest data is 2023/24 for UK-wide Apprenticeships, when considering all 4 countries and their individual frameworks (page 50). Where data exists beyond this year, this has been included in the devolved administration graphs in the further detail pages. • Due to data availability on the number of starts for apprenticeships in Northern Ireland under the ApprenticeshipsNI framework, 2021/22 and 2022/23 columns only include data for England, Scotland and Wales • Apprenticeship data has been standardised for Scotland from the Scottish Credit and Qualifications Framework (SCQF) to the Regulated Qualifications Framework (RQF), using the qualification comparison on Qualifications Scotland. Where a qualification spans multiple levels, this has been translated to RQF as follows: • **SCQF Levels 4/5 –** RQF Levels 1 / Level 2 • **SCQF Levels 5/6 –** RQF Levels 2 / Level 3 • **SCQF Levels 5/7 –** RQF Level 2 / Level 4 (Included in Level 2 and 3 category for consistency) • **SCQF Levels 5/6/7 –** RQF Level 2 / Level 3 / Level 4 (Included in Level 2 and 3 category for consistency) • **SCQF 5/6/8 –** RQF Level 2 / Level 3 / Level 5 (Included in Level 2 and 3 category for consistency) • **SCQF 6/7 –** RQF Level 3 / Level 4 (Included in Level 2 and 3 category for consistency) • Qualifications at SCQF 4/5 (equivalent to level 1/2) have been excluded from the total, as pupils in Scotland undertake these as part of a school pathway and are therefore still captured as part of the school census at GCSE/equivalent level. Scotland includes Foundation Apprenticeships at SCQF 5 and SCQF 6 (approximately 3,250 starts in 2023/24), which are taken by school pupils alongside their studies (post-16) rather than as employed apprenticeships. • Qualifications that are offered at more than one level spanning across both 'Level 2 and 3' and 'Level 4 to 7' have been counted in the category that is the lowest level (Level 2 and 3). There are around 5,500 starts that fall under this definition in 2023/24, of which ~100 are Space Relevant, ~2600 Space General, ~2800 Not included in the Space Taxonomy. As such, Space Aligned apprenticeship starts for Level 2 and 3 may be a slight overestimation. • All qualifications at Level 2 and 3 have been collated from various frameworks including Modern and Foundation apprenticeships for Scotland, ApprenticeshipsNI for Ireland

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Page	Comment
12-13	**Level 4-7 Apprenticeship Starts in 2022/23** • Latest data is 2022/23 for UK-wide Apprenticeships, when considering all 4 countries and their individual frameworks (see slide 50). Where data exists beyond this year, this has been included in the devolved administration graphs in the further detail pages. • Data show the total of all ages taking Level 4+ apprenticeship qualifications across the UK. • Apprenticeship data has been standardised for Scotland from the Scottish Credit and Qualifications Framework (SCQF) to the Regulated Qualifications Framework (RQF), using the qualification comparison on Qualifications Scotland. Where a qualification spans multiple levels, this has been translated to RQF as follows: • **SCQF 7/9/11 –** RQF Level 4 / Level 6 / Level 7 • **SCQF 10/11 –** RQF Level 6 / Level 7 • Qualifications that are offered at more than one level spanning across both 'Level 2 and 3' and 'Level 4 to 7' have been counted in the category that is the lowest level (Level 2 and 3). There are around 5,500 starts that fall under this definition in 2023/24, of which ~100 are Space Relevant, ~2600 Space General, ~2800 Not included in the Space Taxonomy. As such, Space Aligned apprenticeship starts for Level 4 to 7 may be a slight underestimation. • All qualifications have been collated from various frameworks including Modern (L4+) and Graduate apprenticeships for Scotland, Higher Level apprenticeships (Further Education & Higher Education) for Ireland. Note that due to limited data, Welsh apprenticeship data currently only covers Higher Apprenticeships and excludes Degree apprenticeships (Levels 6-7).
14	**Undergraduate Entrants in 2024/25** Definitions of 'First Degree' and 'Other Undergraduate' are taken from Higher Education Statistics Agency: • **First Degree includes:** first degrees (including eligibility to register to practice with a regulatory body), first degrees with Qualified Teacher Status/General Teaching Council, postgraduate bachelors degree at level H (honours, level 6), enhanced first degrees (e.g. integrated masters), first degrees obtained concurrently with a diploma, intercalated first degrees. • **Other Undergraduate covers qualification equivalent to and below first degree level, including but not limited to:** Professional Graduate Certificate in Education (PGCE) at level H, foundation degrees, diplomas in higher education, Higher National Diploma, Higher National Certificate, Diploma of Higher Education, Certificate of Higher Education, National Vocational Qualification/Scottish Vocational Qualification at NQF levels 4 and 5, post-degree diplomas, certificate and professional qualifications at undergraduate level. • Due to the potential overlap with apprenticeship data, only 'First Degree' data has been used for Undergraduate Entrants. 'Other Undergraduate' has been provided for reference only. • Data covers all students and does not distinguish between full time and part-time study. • University data only includes starts with a UK home address. Further detail on overseas students at UK universities is included in dashboard slides 35-37.
15	**Postgraduate Entrants in 2024/25** • Postgraduate Taught includes, but is not limited to: MA, MSc, MBA • Postgraduate Research includes PhD / DPhil qualifications, as well as master's level qualifications with a predominant research element (MPhil / MRes) • Data covers all students and does not distinguish between full time and part-time study. • University data only includes starts with a UK home address. Further detail on overseas students at UK universities is included in dashboard slides 35-37.

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Page	Comment
16-17	**Space Aligned taxonomy** **Space Partnership have assigned all qualifications (Apprenticeships L2-3 and 4-7, Undergraduate & Postgraduate degrees) to one of the following categories:** • **Space Specific:** Courses most prevalent in the UK space sector workforce, as identified in the Space Skills Alliance report '*How and why people join the UK space sector*'. Examples of qualifications include *Engineering (Aerospace, Electrical, Mechanical), Physics* • **Space Relevant:** Courses that are directly relevant to the UK space sector (*e.g. Computer Science, Mathematics, Environmental Science)* • **Space General:** Courses that support the wider operation of UK space sector organisations (*e.g. Business, Law, Finance, Marketing)* • **Not included in the Space Taxonomy:** Courses not included in one of the above categories (*e.g. Psychology, Nursing)* • Each qualification title was reviewed against the category definitions to determine where the most appropriate classification. Categories are not fixed and may change over time. A qualification may be assigned to different categories at different levels depending on the specificity of the title. For Level 2 and 3 apprenticeships, 'Engineering' was placed in Space Specific as no further detail was available to differentiate between engineering disciplines. • Appendix A lists the qualifications in each taxonomy, ordered by number of students, starting courses in 2024/25 (Undergraduate & Postgraduate), 2023/24 (Level 2 and 3 Apprenticeships, split by devolved administration) or 2022/23 (Level 4 to 7 Apprenticeships, split by devolved administration)
18-19	**Level 2 and 3 Apprenticeship Starts in 2023/24 – Space Aligned** See notes on page 53 for Level 2 and 3 Apprenticeship Starts
20-21	**Level 4 to 7 Apprenticeship Starts in 2022/23 – Space Aligned** See notes on page 54 'Level 4-7 Apprenticeship Starts in 2022/23'
22-23	**Undergraduate / Postgraduate Entrants in 2024/25 – Space Aligned** See notes on page 54 'Undergraduate Entrants in 2024/25' and 'Postgraduate Entrants in 2024/25'

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Page	Comment
25-29	**Current UK Space Workforce: Size and Health** • Graph on page 25 combines data from multiple previous Size and Health surveys, including a DTH/non-DTH breakdown where this data is publicly available. Historic data (from 2000/01 onwards) was used from the Size and Health 2020 • All other graphs use numbers directly from the latest Size and Health report (2024) • Slide 29 uses figures directly from the latest Size and Health report (2024)
30-31	**Current UK Space Workforce: Space Sector Skills Survey** • Uses numbers/figures directly from the latest Space Sector Skills Survey (2023)
32	**Current UK Space Workforce: Space Census** • Uses numbers/figures directly from the latest Space Census (2024) • Space Census age data is used to break down the total space workforce as Size & Health age data includes DTH broadcasting.
33	**Current UK Space Workforce: Roles Advertised on Space Careers.uk** • Graphs based on tables in the SpaceCareers.uk early roles analysis • Excludes advertisements for PhDs, work experience, volunteering and internships, with these numbers provided for reference only. • Only includes jobs situated in the UK. • Analysis focussed on the number of advertisements rather than the number of roles. Some advertisements may list multiple roles. • Further detail on the calculation of the estimated 7,000-12,000 open roles can be found in the analysis from SpaceCareers.uk
35-37	**Total Undergraduate / Postgraduate Taught / Postgraduate Research Entrants at UK Universities** • Undergraduate entrants only includes 'First Degree'. Uses the HESA country of permanent address definitions: • United Kingdom: Includes Guernsey, Jersey and the Isle of Man. • European Union (EU): Students whose normal residence prior to commencing their programme of study was in countries which were EU members as at 1 December of the cycle. • Non-European Union: Students whose permanent home address prior to commencing their programme of study was outside the EU and UK.

Appendix C – Source List

Appendix C – Source List

Type	Source	Specific Dataset	Coverage (Devolved Administration)	Coverage (Timeframe)
GCSE	GOV.UK: Department for Education	Pupil Characteristics (Main tables) – pupils by age and gender	England	Academic year: 2009/10–2018/19
	GOV.UK: Department for Education	Pupil Characteristics (Table tool) – number of pupils by age and sex	England	Academic year: 2015/16–2024/25
	Gov.scot: Scottish Government	Pupils by stage (annual census)	Scotland	2001–2024 (Academic year: 2001/02–2024/25)
	National Records of Scotland	Mid-year population estimates by sex and single year of age	Scotland	1981–2024 (Academic year: 1980/81–2023/24)
	StatsWales	Pupils by year group and sex (annual census)	Wales	2008/09–2024/25
	Northern Ireland Statistics and Research Agency	Mid-year population estimate by sex and single year of age	Northern Ireland	2009–2024 (Academic year: 2008/09–2023/24)
	Department of Education	Number of pupils by year group (aggregated individual school level data)	Northern Ireland	Academic year: 2009/10–2024/25
A level	Department for Education	A level, Applied General & Tech level	England	Academic year: 2015/16–2024/25
Apprenticeship	Department for Education	Apprenticeships (ST code taxonomy)	England	Academic year: 2019/20–2024/25
	StatsWales	Apprenticeship Starts	Wales	Academic year: 2012/13–2024/25
	Department for the Economy	Apprenticeship Starts: • ApprenticeshipsNI (Level 2 and 3) • Higher Level apprenticeships (HE) • Higher Level apprenticeships (FE)	Northern Ireland	ApprenticeshipsNI (2013/14 – 2024/25) Higher HE (2019/20-2023/24) Higher FE (2020/21-2024/25)
	Skills Development Scotland	Apprenticeship data: • Foundation apprenticeships • Modern Apprenticeships • Graduate Apprenticeships	Scotland	Foundation (2016/17-2023/24) Modern (2020/21-2025/26) Graduate (2017/18-2022/23)
University	Higher Education Statistics Agency	HESA – HE student enrolments by subject	UK & International (EU/non-EU)	Academic year: 2019/20–2024/25

Appendix C – Source List

Type	Source	Specific Dataset	Coverage (Devolved Administration)	Coverage (Timeframe)
UK Space Workforce	Size and Health 2024		UK-wide	(Financial Year) 2022/23
	Size and Health 2023			2021/22
	Size and Health 2022			2020/21
	Size and Health 2021			2019/20
	Size and Health 2020			2017/18 and 2018/19
	Size and Health 2018			2015/16 and 2016/17
	Size and Health 2016			2013/14 and 2014/15
	Size and Health 2014			2011/12 and 2012/13
	Size and Health 2012			2009/10 and 2010/11
	Size and Health 2010			2007/08 and 2008/09
	Space Sector Skills Survey 2023			2023
	Space Sector Skills Survey 2020			2020
	SpaceCareers.uk	SpaceCareers.uk analysis on the number of open roles in the space sector		2023-2025
	Space Skills Alliance	Space Census 2024		2024
		Space Census 2020		2020
		'How and why people join the UK space sector'		(Based on 2020 survey)
Dashboard Images	Dashboard - Page 17	'Popularity of Subject by Age' from *'How and why people join the UK space sector'* , *Space Skills Alliance (2023)*		
	Dashboard - Page 29	Workforce breakdown by Qualification, Age, Gender, Nationality, Ethnicity (p31-36) from *'Size and Health of the UK Space Sector'*, *UKSA, London Economics (2024)*		
	Dashboard - Page 30	'Space lacks software & data skills' from *'Space Sector Skills Survey'*, *UKSA, Space Skills Alliance (2023)*		
	Dashboard - Page 31	'Demand is highest for mid-level space professionals' from *'Space Sector Skills Survey'*, *UKSA, Space Skills Alliance (2023)*		
	Dashboard - Page 32	'The space workforce is relatively young' from *'Demographics of the UK Space Sector, Space Census'*, *Space Skills Alliance (2024)*		

Contact us:

We welcome feedback on the Space Partnership Skills Dashboard and suggestions for additional data sources

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