



Engineering Academics
NETWORK

DATA DIVE WORKSHOP

ACADEMIC STAFF

For the latest insights on
engineering staff at UK universities

WEDNESDAY 1ST
APRIL, 2026
1-2PM, ONLINE

Introductions

5 mins

Lets set sail...

- Academic staff overview
- Breaking down the data
- Key takeaways

15 mins

Dive point

- Into the data explorer

5 mins

Have a go

- Breakout rooms and group activity

20 mins

Feedback and questions Continue the conversation

10 mins

Close and thank you

5 mins



Academic staff overview

- Tells us about engineering staff that work at UK universities as reported to HESA.
- Enables us to understand the composition of engineering staff
 - Full-time or part-time?
 - Do they teach, research or are they non-academic?
 - What qualifications do they hold?
- Other breakdowns include gender, age, ethnicity, nationality etc.
- Possible to filter on academic vs non-academic employment to further tailor to your needs



New for 2026

- Tags
 - You can now interrogate and search the Applications and admissions dataline by variable (see the #Tags)

- Sandbox tabs

- Studio feature



How many staff are there in engineering and in each discipline?

#Academic employment marker #Academic year #Discipline #Staff

How many engineering staff are employed part-time / full-time?

#Academic employment marker #Academic year #Contract level #Discipline #Mode of employment #Sex #Staff

Are engineering staff employed to teach or research, or are they non-academic?

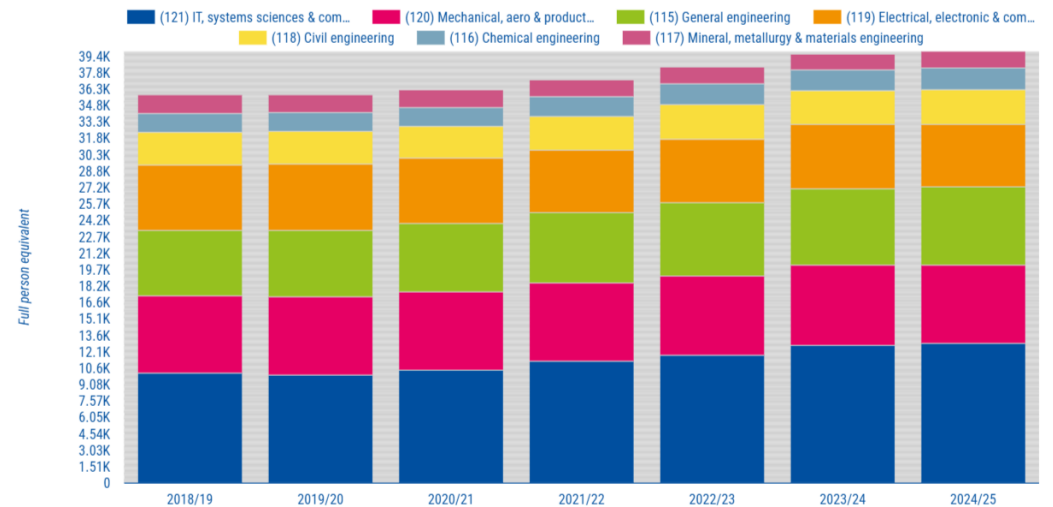
#Academic employment function #Academic year #Discipline #Staff



How many staff are in engineering?

In 2024/25...

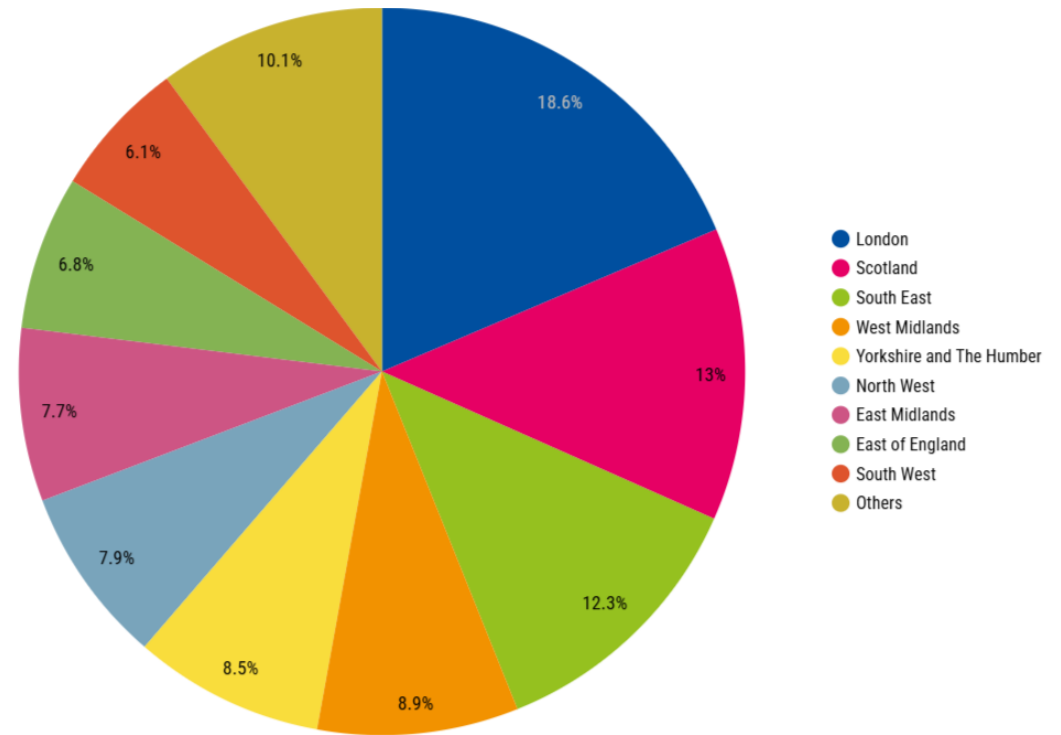
- 39,830 engineering staff
- 31,850 academic engineering staff
- >1/3 academic staff employed in IT, systems sciences and computer software engineering
- 18.6% increase in academic staff since 2018/19



In which regions do they work?

In 2024/25...

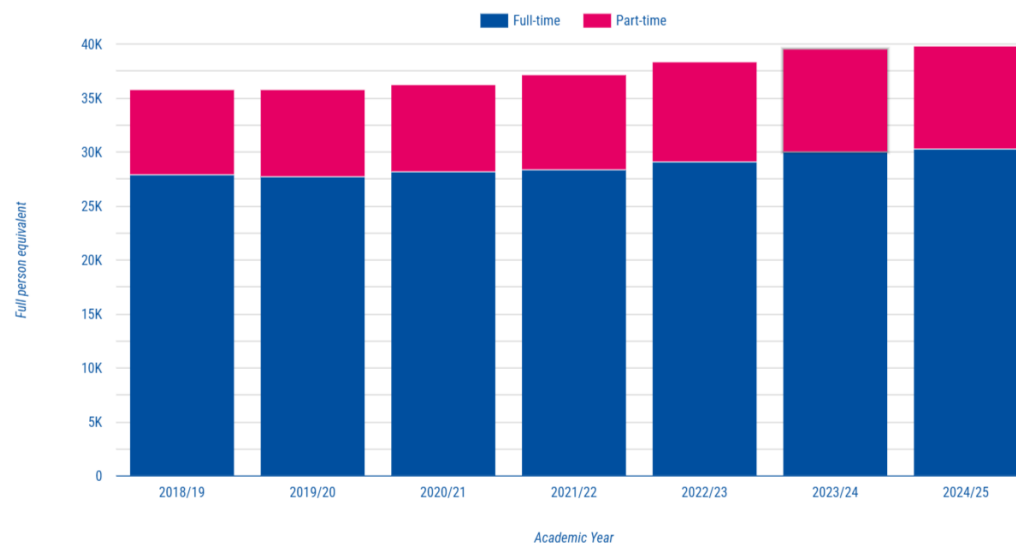
- Almost one in five academic engineering staff work in London.
 - The proportion has increased year-on-year for the past five years.
- Followed by Scotland, and then the South East.



Mode of employment

In 2024/25...

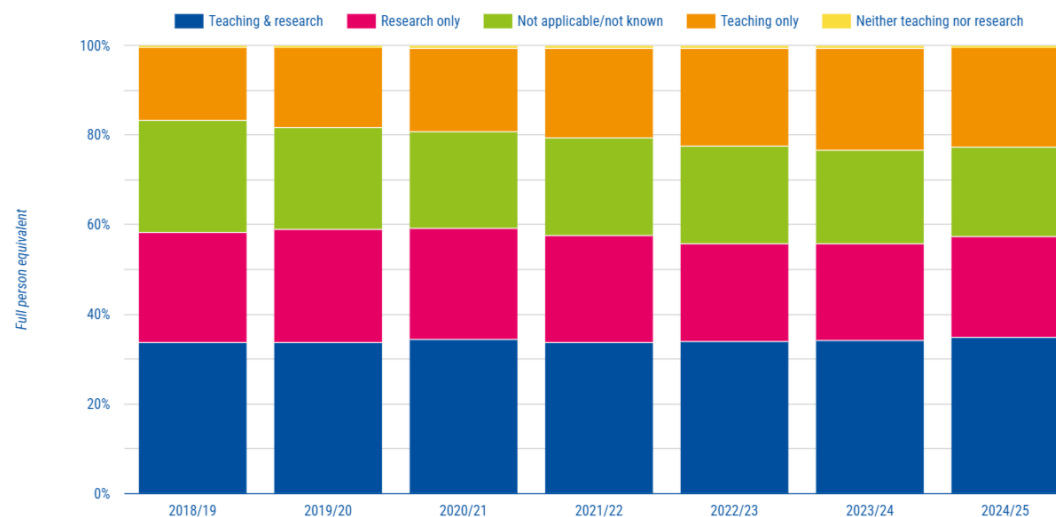
- # of part-time engineering staff declined
 - It had previously been gradually increasing proportionally.
- 23.9% of engineering staff and 28.2% of female engineering staff were employed part-time in 2024/25
- 18.9% of professors and 7.4% of senior managers were part-time



Teaching and research

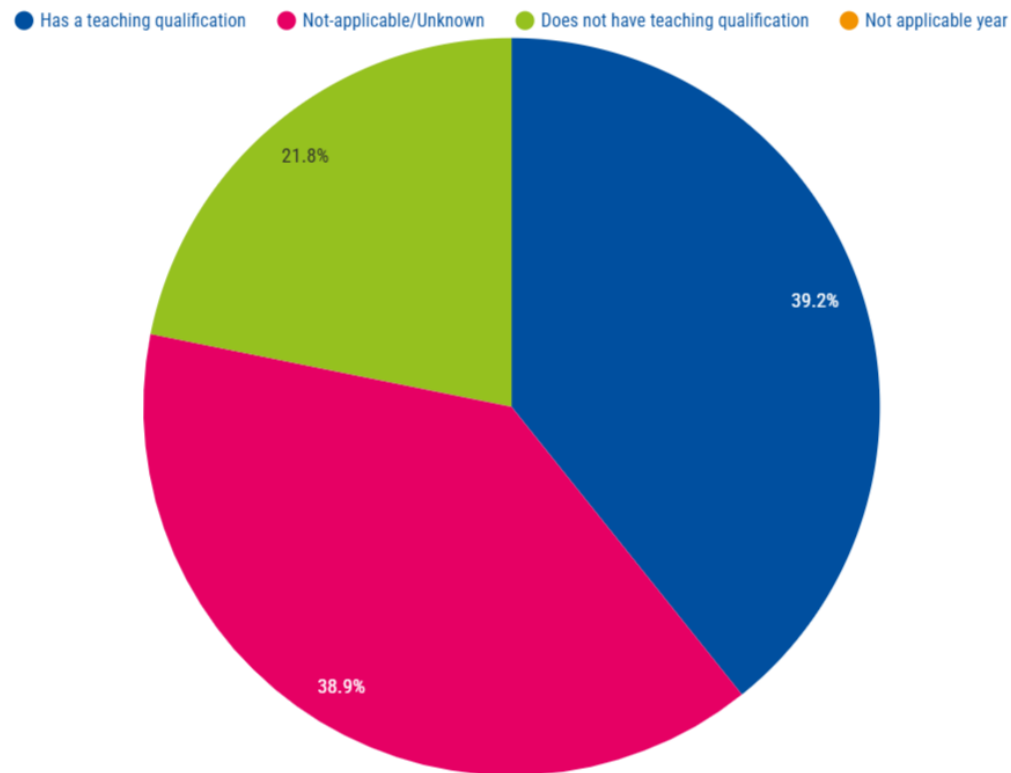
In 2024/25...

- Almost equal distribution of teaching only and research only staff (at c22% respectively).
- (121) IT, systems sciences & computer software engineering teaching only focus skews the data



Qualifications

- HESA data includes the highest qualification level achieved and information on if a teaching qualification is held.
- Around 39.2% of academic engineering staff are known to hold a teaching qualification.
 - This has been falling steadily since 2018/19.
- 63.3% of male and 57.8% of female engineering academics held a doctorate in 2024/25.



Breaking down the data...

Gender

- 75:25 Male to Female split in 2024/25 when focusing on academic staff only
- In 2024/25, around half of non-academic staff were female. 190 were Other (HESA parlance)
- There were 5 x more male Professors than female Professors in our universities
- Female Senior managers in IT, systems sciences and software engineering equalled other disciplines combined

Age

- 38% of engineering staff were between both 36 and 50 years old and under 35 years old
- The academic engineering staff is becoming younger – the proportion of staff aged 51-65 has decreased by 4.4 percentage points since 2015/16
- Female staff were younger overall. Staff in Civil engineering were older overall

Disability

- 5.3% of engineering staff were known to have a disability in 2024/25
- There has been a 3x increase in disclosure of Learning difference such as dyslexia, dyspraxia since 2014/15
- And a 5x increase in a Mental health condition, challenge or disorder, such as depression, schizophrenia or anxiety



Breaking down the data

Ethnicity

- Since 2015/16, academic employment within engineering has grown in diversity.
- Driven from a rise in Asian staff; numbers have more than doubled over the past 10 years to almost 1 in 4
- Only 1,120 academic engineering staff were Black in 2024/25 (3.5%). 235 of these were female.

Nationality

- Fewer than 1 in 2 academic engineering staff were from the United Kingdom in 2024/25
- 36.0% of academic engineering staff were international (non-EU) in 2024/25 - up by 125.6% over ten years.
- Meanwhile, numbers of academic engineering staff from the EU continue to fall



In summary...

- The number of staff employed in engineering in UK universities is on the rise; an 18.6% increase in academic staff since 2018/19
- Around a third are employed in London and the South east
- Part-time staff declined in 2024/5. Proportionally more females are part-time; while professors are less likely to be female and senior managers even less again.
- Teaching only contracts have increased overall in the last few years, while teaching qualifications are less common. Doctorates are the norm among academic engineering staff.
- The average age of academic engineering staff is decreasing, while disabilities and BME (Asian) are unprecedentedly represented in 2024/5.
- More than half of academic engineering staff are from overseas (including the EU); more than doubled from non-EU in the past ten years.



Dive Point – into the data explorer!

Home > Resources > Data explorer > Academic staff

Data explorer

Welcome, Stella Fowler



Applications and admissions



Student enrolments



Student completion



Academic staff



Enrolments survey



! New ! Studio



Academic staff

Now updated for 2024/25 entry!

The 2024/25 HESA staff data has now been included in the Data explorer. New in 2026 – you can now interrogate and search the Academic staff dataline by variable (see the **#Tags**).

Academic staff data tells us about the engineering staff working at UK universities, as reported to HESA. Select a question of interest to create the visualisation of your choice, selecting particular engineering disciplines if you wish. Once you're explored the charts and tables or downloaded the dataset, you can get back to the Data explorer landing page (at any time) by clicking on the icons in the bar at the top of the page.



Have a go

- This is now your opportunity to get your hands on the data explorer, have a go at navigating it yourself and ask any questions you may have.
- In your breakout groups, please introduce yourself, EPC will facilitate.
- The best discussions marry the data headlines or your own quick mining finds with your interests and own experiences, insights or what's on your mind about applications and admissions. We'd like to hear your thoughts.
E.g.:
 - The potential reduction of engineering staff from stifled international recruitment.
 - The lack of female professors within engineering and how this can be improved.



Questions, Feedback, Close

Thanks for attending. Any questions or feedback?

Next Workshop: HESA student, 29th April 2026 (TBC)

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University of
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