



EPC engineering enrolments survey 2023/24

Thank you for member contributions to this year's EPC engineering enrolments survey.

Sebastian Fowler



About the EPC enrolments survey

- Annual EPC membership service
 - Early temperature check on under/postgraduate engineering
 - An early sign of changing patterns of enrolment
- Exclusive insight
 - Partial (*undergraduate admissions*) data available this week
 - Sector 2023/24 postgraduate and enrolment data collection ongoing
 - Not published by Jisc (HESA) for many, many months
- Survey, not collection
 - Enrolment data provided by our members



About the 2023 survey

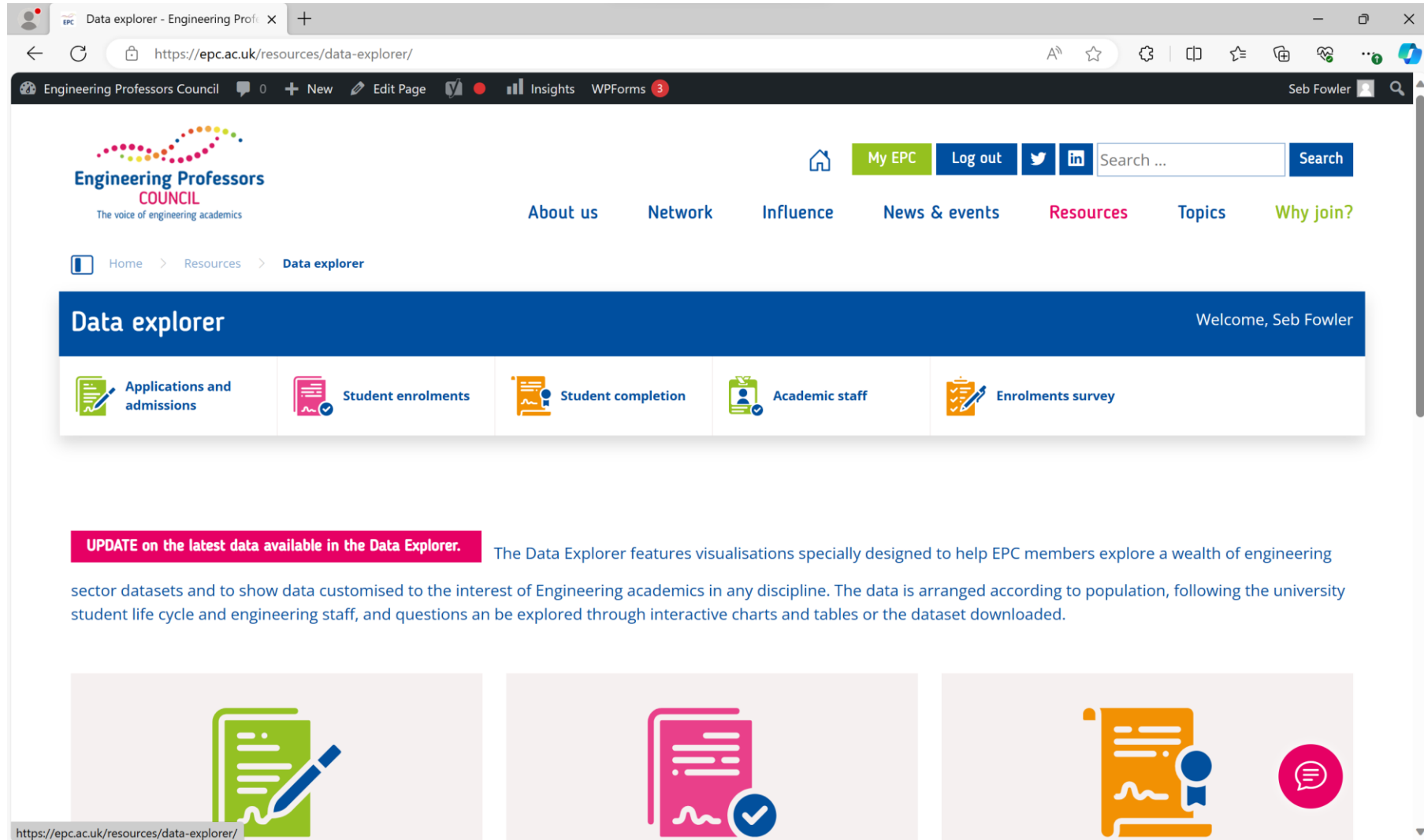
- Fewer members submitted a survey (29) in 2023
- Fewer students (c21K)
- Non-Russell-Group heavy (c2:1)
- Other gender data collected but suppressed
- New first degree and other undergraduate aggregated to form new undergraduate
- Mineral, metallurgy & materials engineering and Naval architecture aggregated with others in engineering



Continued in 2023

- Data explorer service
 - Results are included as the latest data stream
 - Accessible, dynamic and flexible
- Members can once again
 - Explore the findings online
 - Drill down and dissect results by specific cohorts
 - Filter to own disciplines of interest
 - View visualisations to suit
 - Download summary datasets which preserve provider confidence
 - Discuss the findings with the wider network





The screenshot shows a web browser window displaying the Engineering Professors Council Data Explorer page. The browser's address bar shows the URL <https://epc.ac.uk/resources/data-explorer/>. The page header includes the EPC logo, navigation links (Home, Resources, Data explorer), and a user profile for Seb Fowler. The main content area features a blue header with the title "Data explorer" and a welcome message. Below this is a row of five interactive cards: "Applications and admissions", "Student enrolments", "Student completion", "Academic staff", and "Enrolments survey". A pink callout box highlights an update on the latest data. The bottom of the page shows three large icons corresponding to the first three data categories.

Engineering Professors Council | 0 | + New | Edit Page | Insights | WPForms 3 | Seb Fowler

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Home > Resources > Data explorer

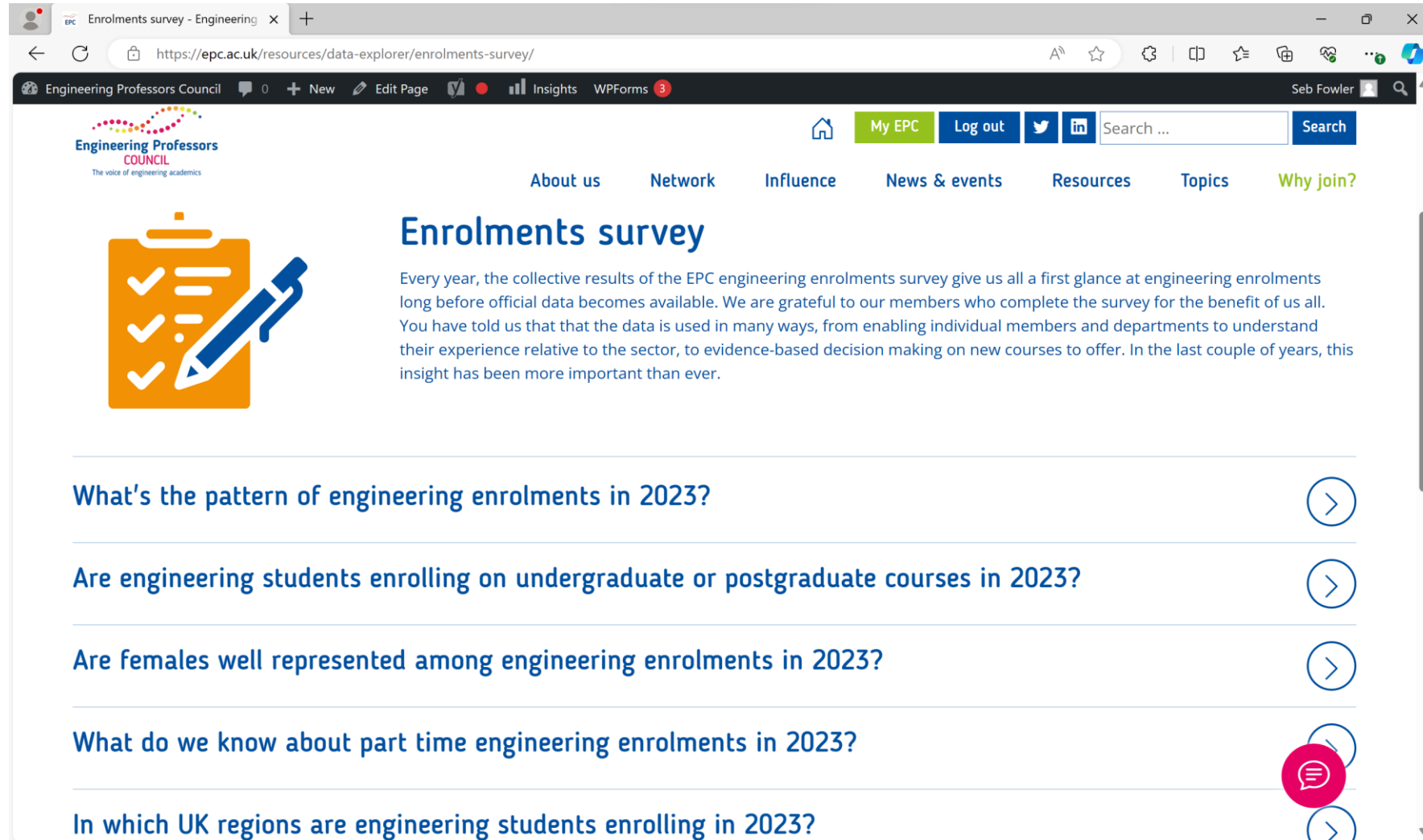
Data explorer

Welcome, Seb Fowler

- Applications and admissions
- Student enrolments
- Student completion
- Academic staff
- Enrolments survey

UPDATE on the latest data available in the Data Explorer. The Data Explorer features visualisations specially designed to help EPC members explore a wealth of engineering sector datasets and to show data customised to the interest of Engineering academics in any discipline. The data is arranged according to population, following the university student life cycle and engineering staff, and questions can be explored through interactive charts and tables or the dataset downloaded.

<https://epc.ac.uk/resources/data-explorer/>



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Enrolments survey

Every year, the collective results of the EPC engineering enrolments survey give us all a first glance at engineering enrolments long before official data becomes available. We are grateful to our members who complete the survey for the benefit of us all. You have told us that that the data is used in many ways, from enabling individual members and departments to understand their experience relative to the sector, to evidence-based decision making on new courses to offer. In the last couple of years, this insight has been more important than ever.

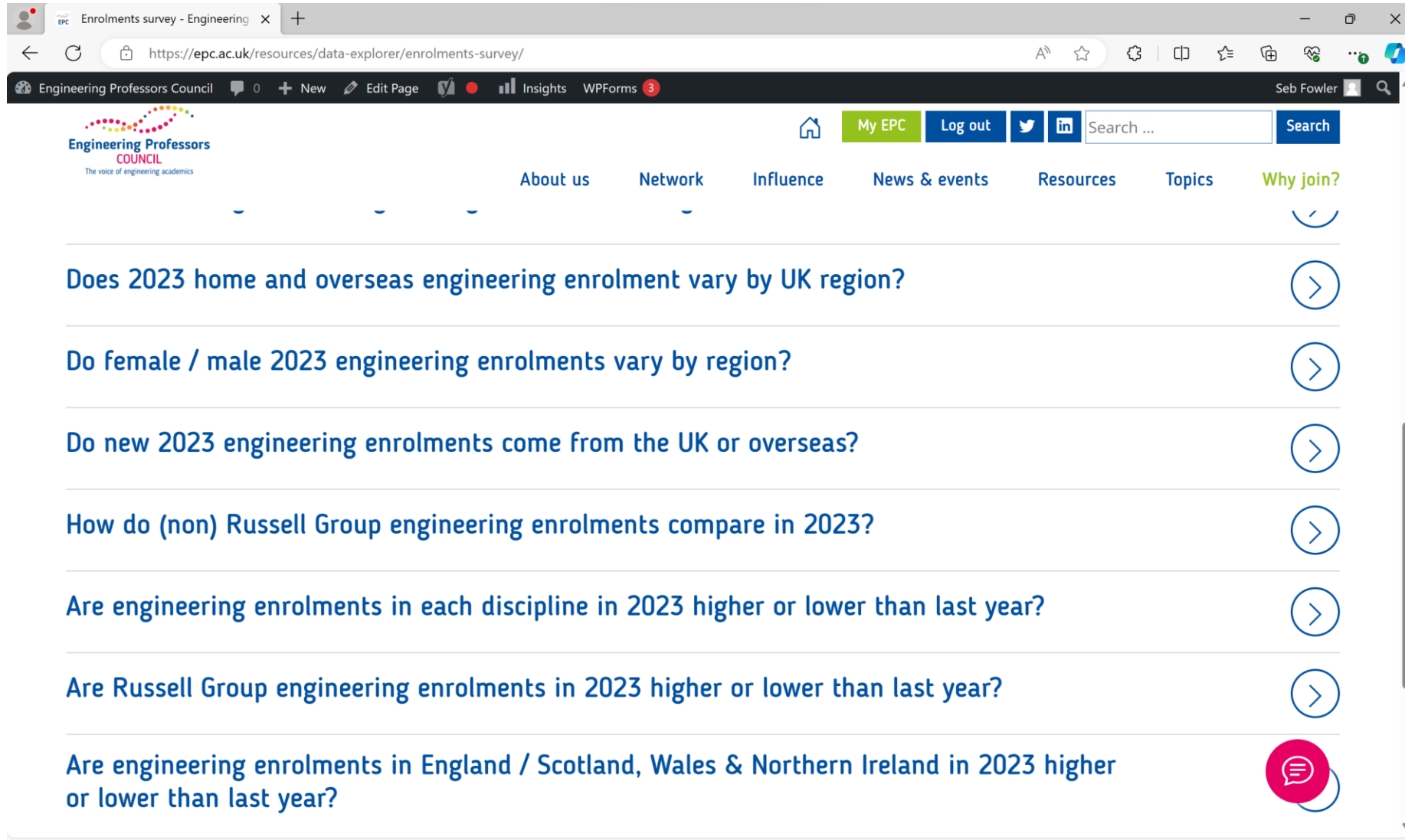
What's the pattern of engineering enrolments in 2023?

Are engineering students enrolling on undergraduate or postgraduate courses in 2023?

Are females well represented among engineering enrolments in 2023?

What do we know about part time engineering enrolments in 2023?

In which UK regions are engineering students enrolling in 2023?



Enrolments survey - Engineering x +

https://epc.ac.uk/resources/data-explorer/enrolments-survey/

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Does 2023 home and overseas engineering enrolment vary by UK region?

Do female / male 2023 engineering enrolments vary by region?

Do new 2023 engineering enrolments come from the UK or overseas?

How do (non) Russell Group engineering enrolments compare in 2023?

Are engineering enrolments in each discipline in 2023 higher or lower than last year?

Are Russell Group engineering enrolments in 2023 higher or lower than last year?

Are engineering enrolments in England / Scotland, Wales & Northern Ireland in 2023 higher or lower than last year?

Headlines


Mechanical engineering now leader discipline according to our sample, supported by also leading discipline growth.

Home enrolment market looks strong, suggesting international students are not taking places from home students.

In line with UCAS end of cycle data, our sample shows that overall enrollment is down. Our data shows Russell Group universities have seen a slight increase.

New female leader disciplines in this years data, IT systems sciences and computer software engineering leads the disciplines.

The general trend shows engineering enrolment is more turbulent than usual.



Discipline headlines

- Top two
 - Mechanical engineering
 - IT systems sciences & computer software engineering
- Mechanical engineering is the most popular discipline in our 2023 sample
- Electrical and electronic particularly strong in the overseas market





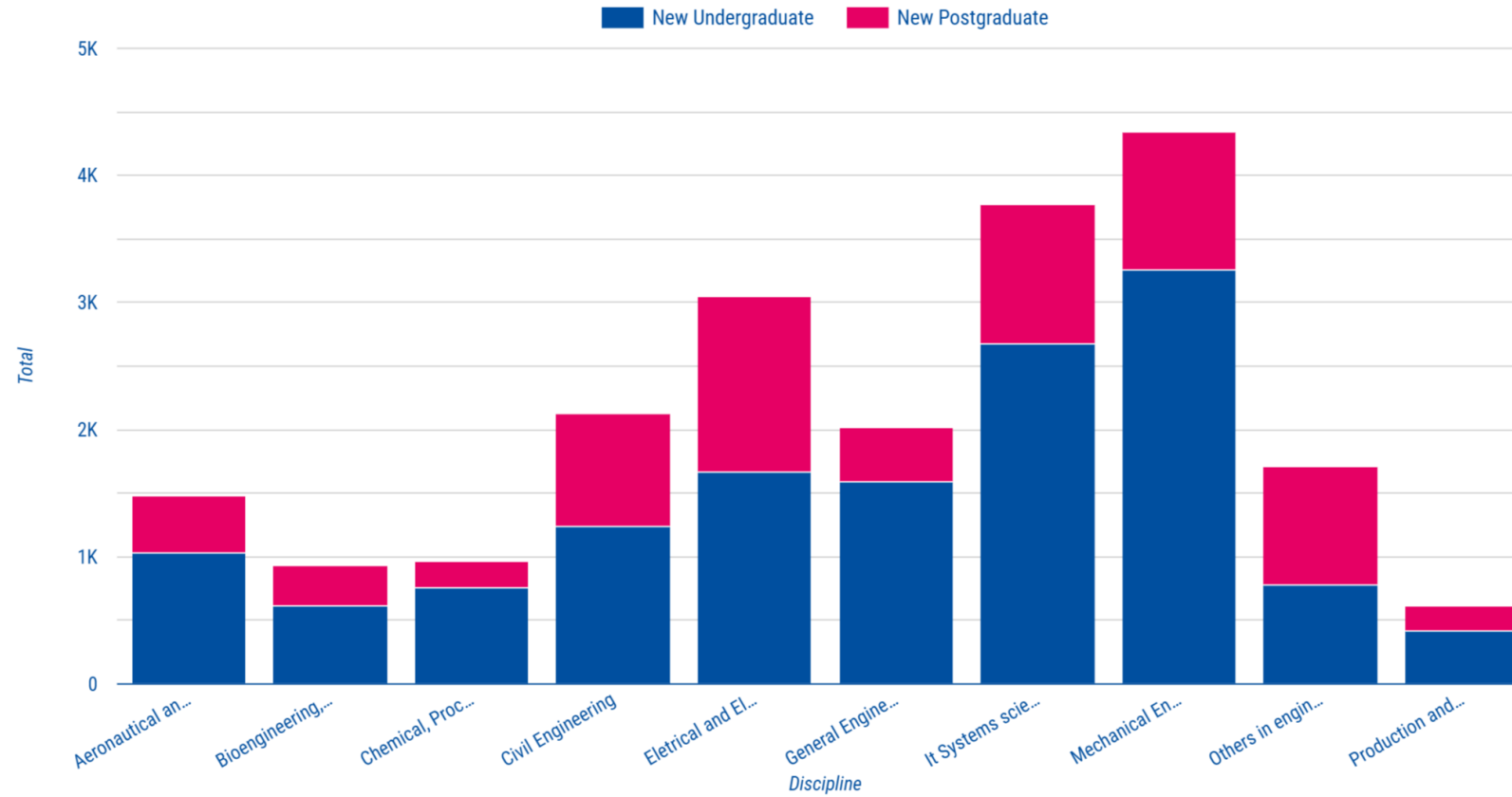
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Chart 1/2



Domicile: Total (1) Discipline



Engineering enrolments survey

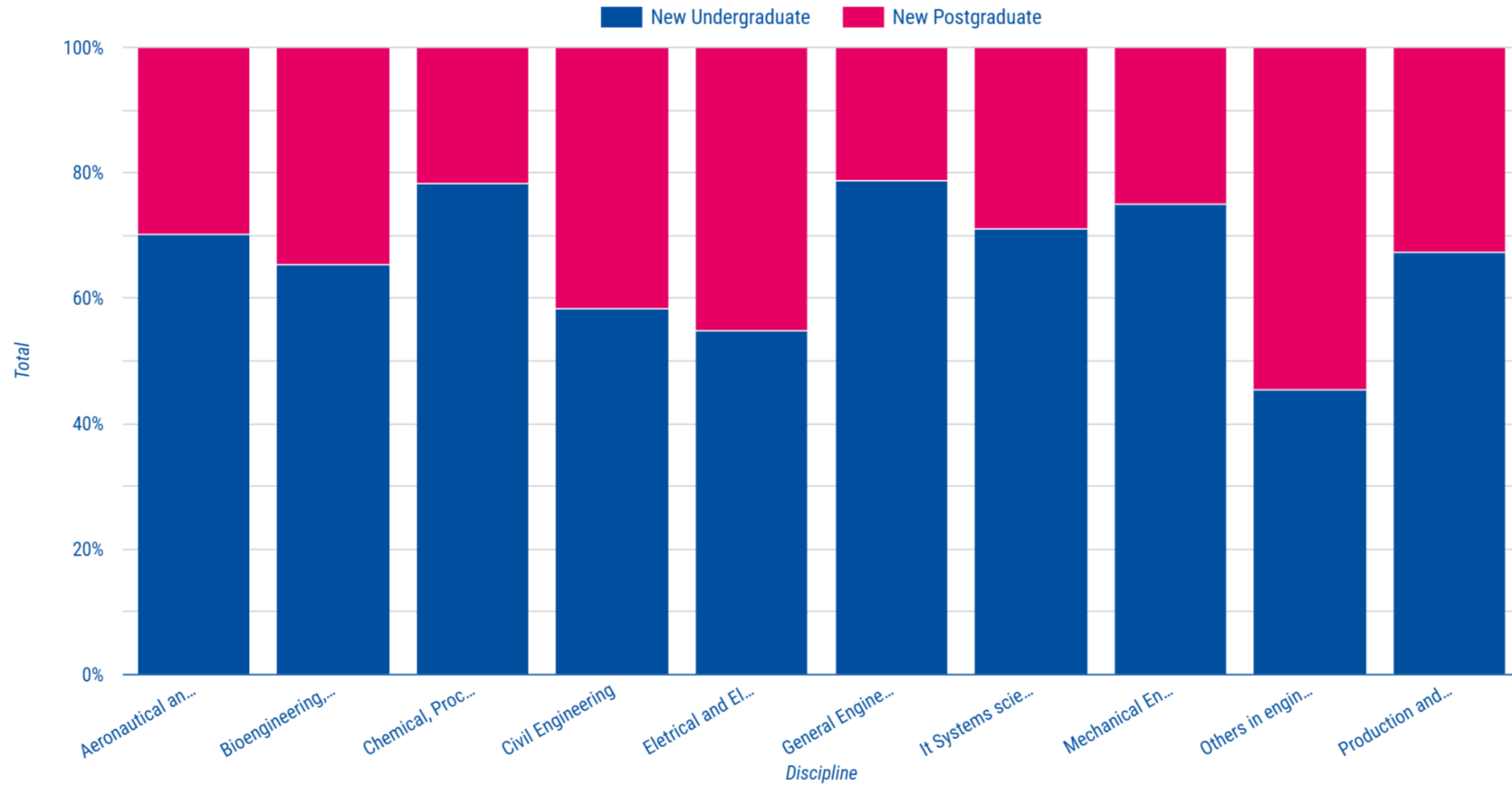
- New undergraduates account for over 50% of the share of enrolments in all fields bar others, the most undergraduate heavy are:
 - Chemical, Process, and energy engineering
 - Mechanical engineering
 - General engineering
 - IT system sciences and computer software engineering
- Only Others in engineering is made up of over 50% of postgraduates





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Home and overseas

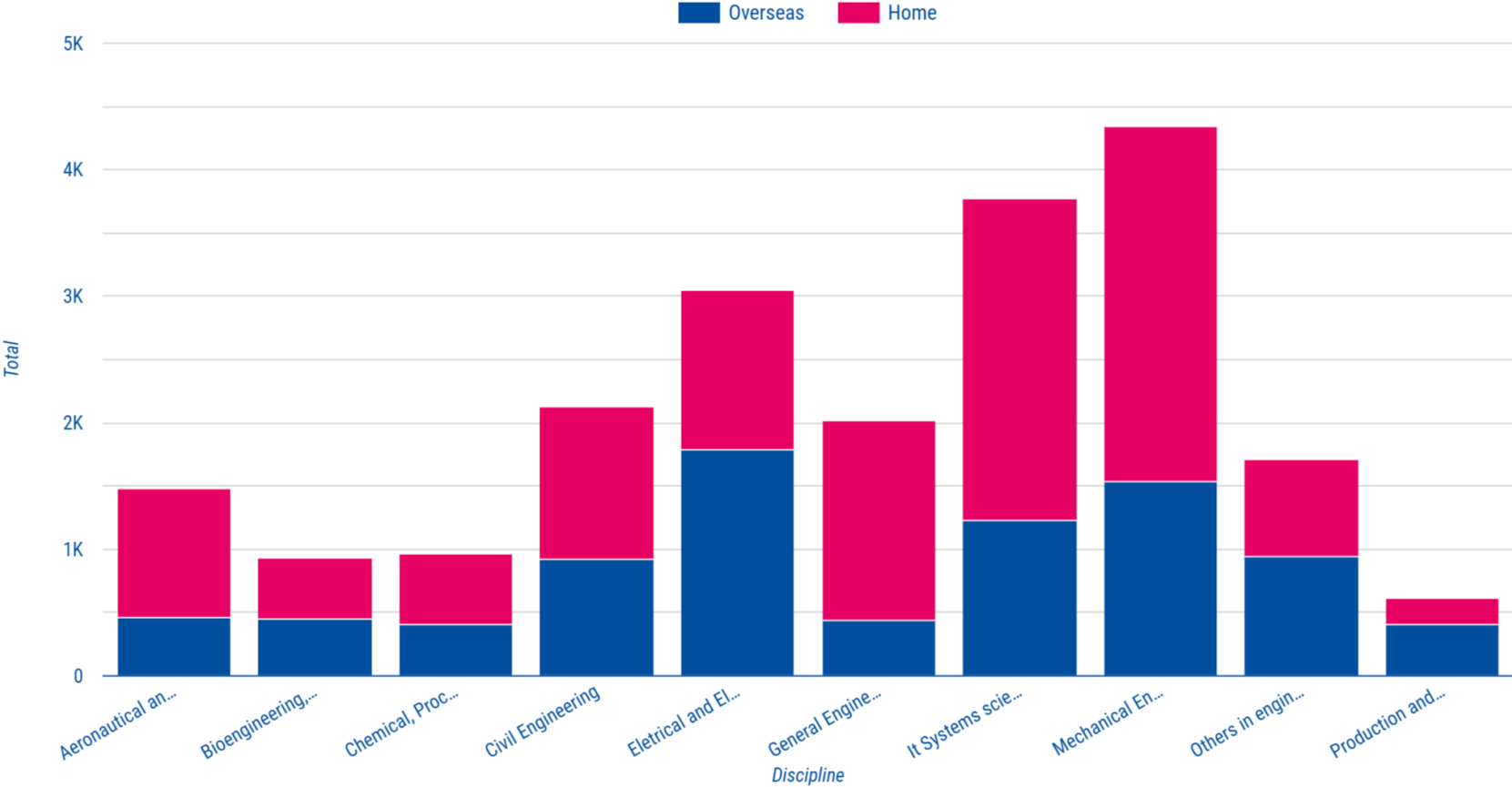
- Engineering is hugely reliant on overseas enrolments. Survey made up of 40.8% overseas enrolments.
 - New undergraduate overseas enrolment makes up just 22.3%
 - Compared to 80% of new postgraduates being from overseas in our sample
 - Proportion down 2% from the previous survey
 - Electrical and electronic engineering and mechanical engineering had the highest overseas enrolments overall
 - Electrical was most notable in the postgraduate cohort
 - Mechanical was most notable in the undergraduate cohort



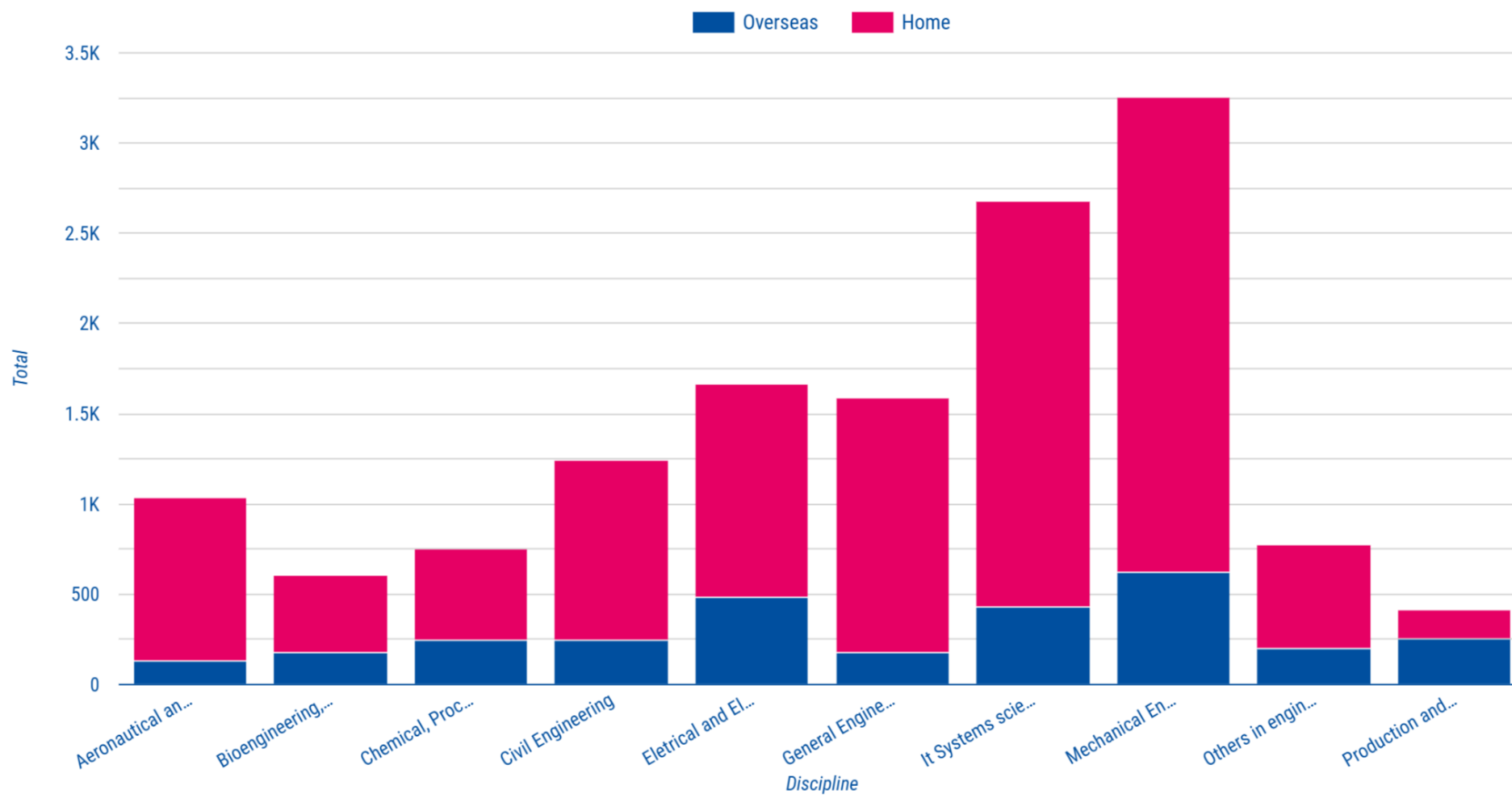
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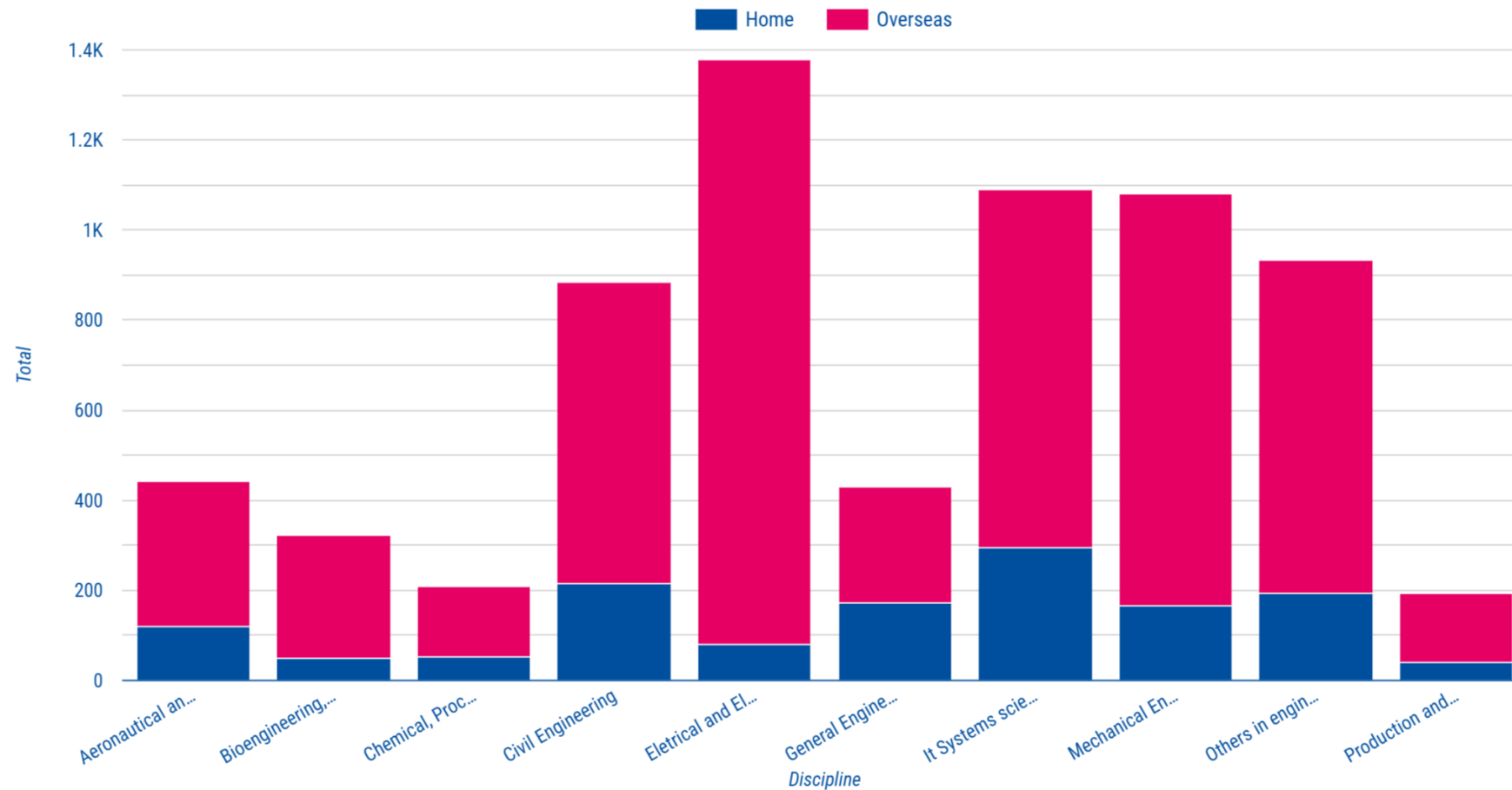
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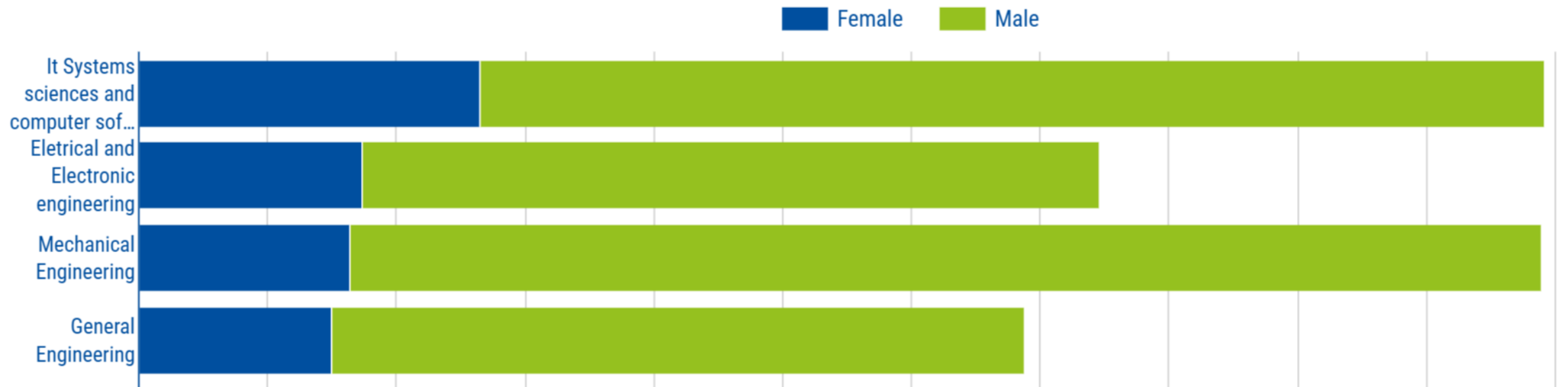
New Undergraduate



New Postgraduate



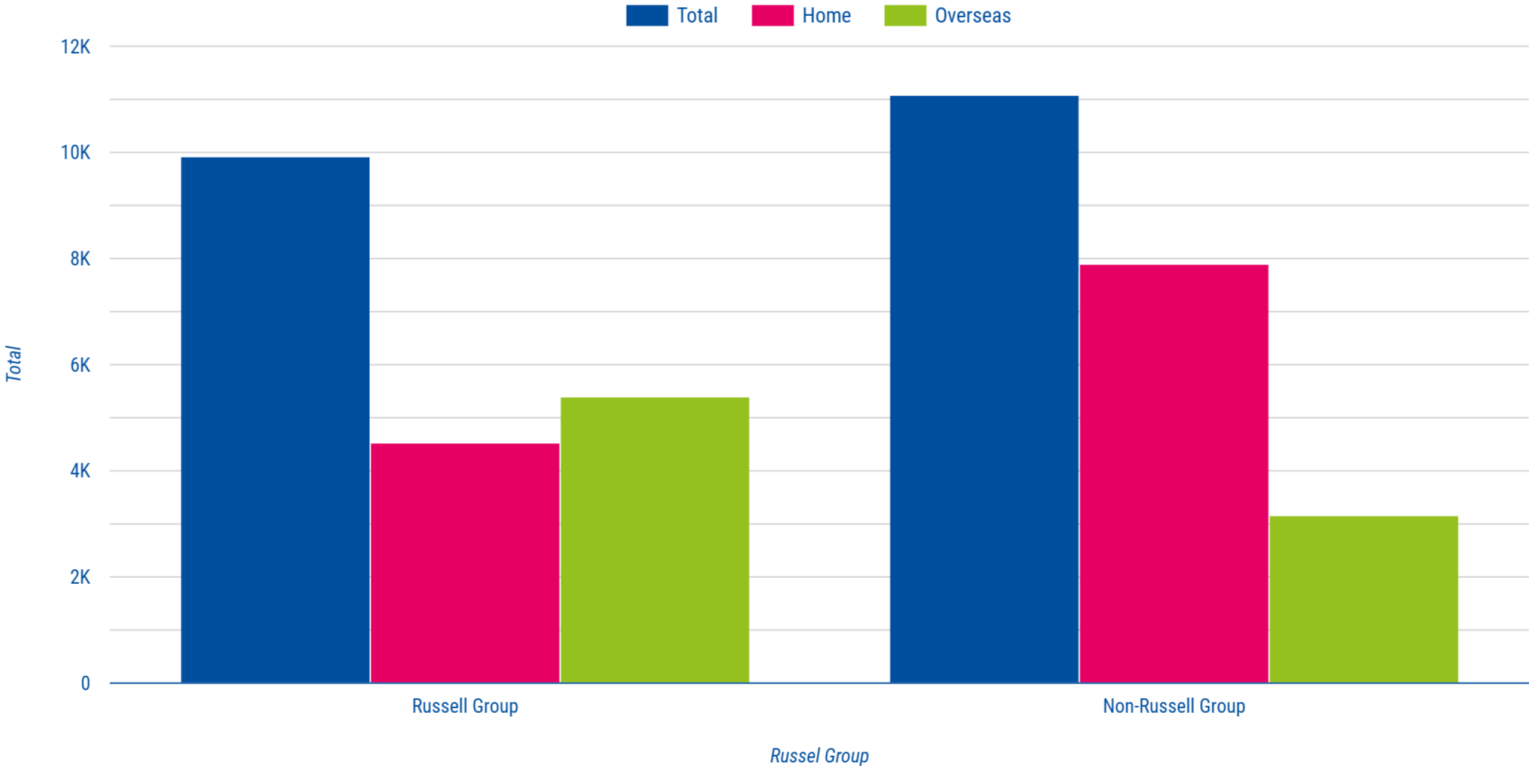
Disciplines with largest female proportions



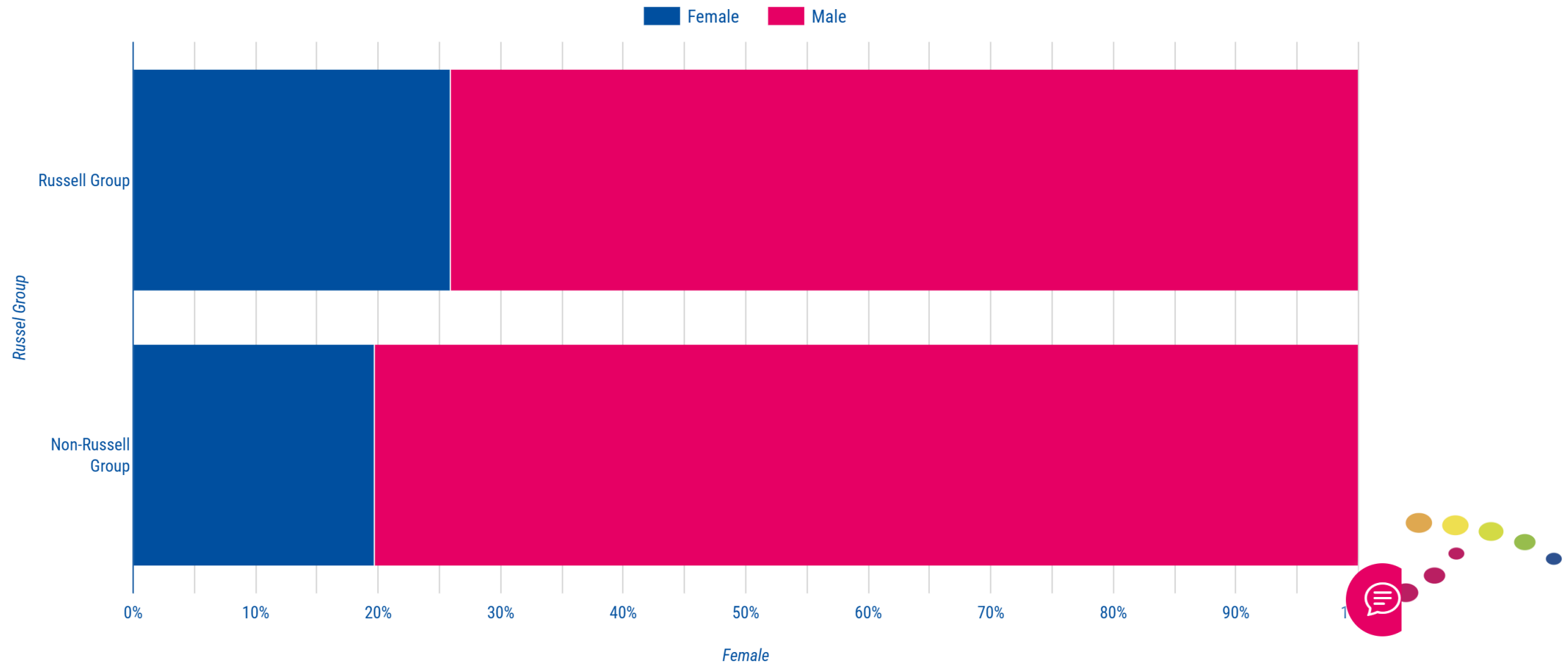


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Female vs Male

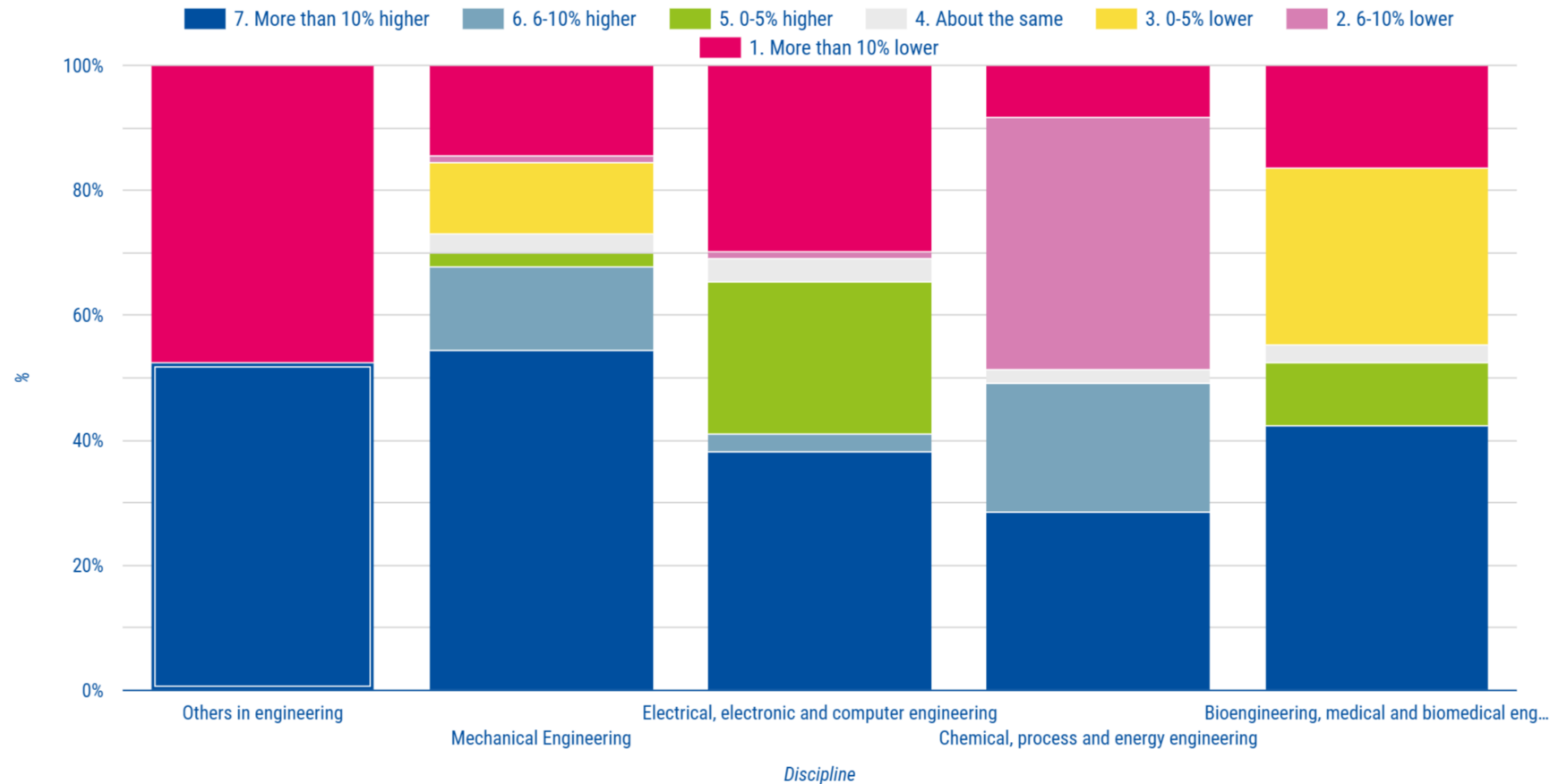


Higher or lower enrolments

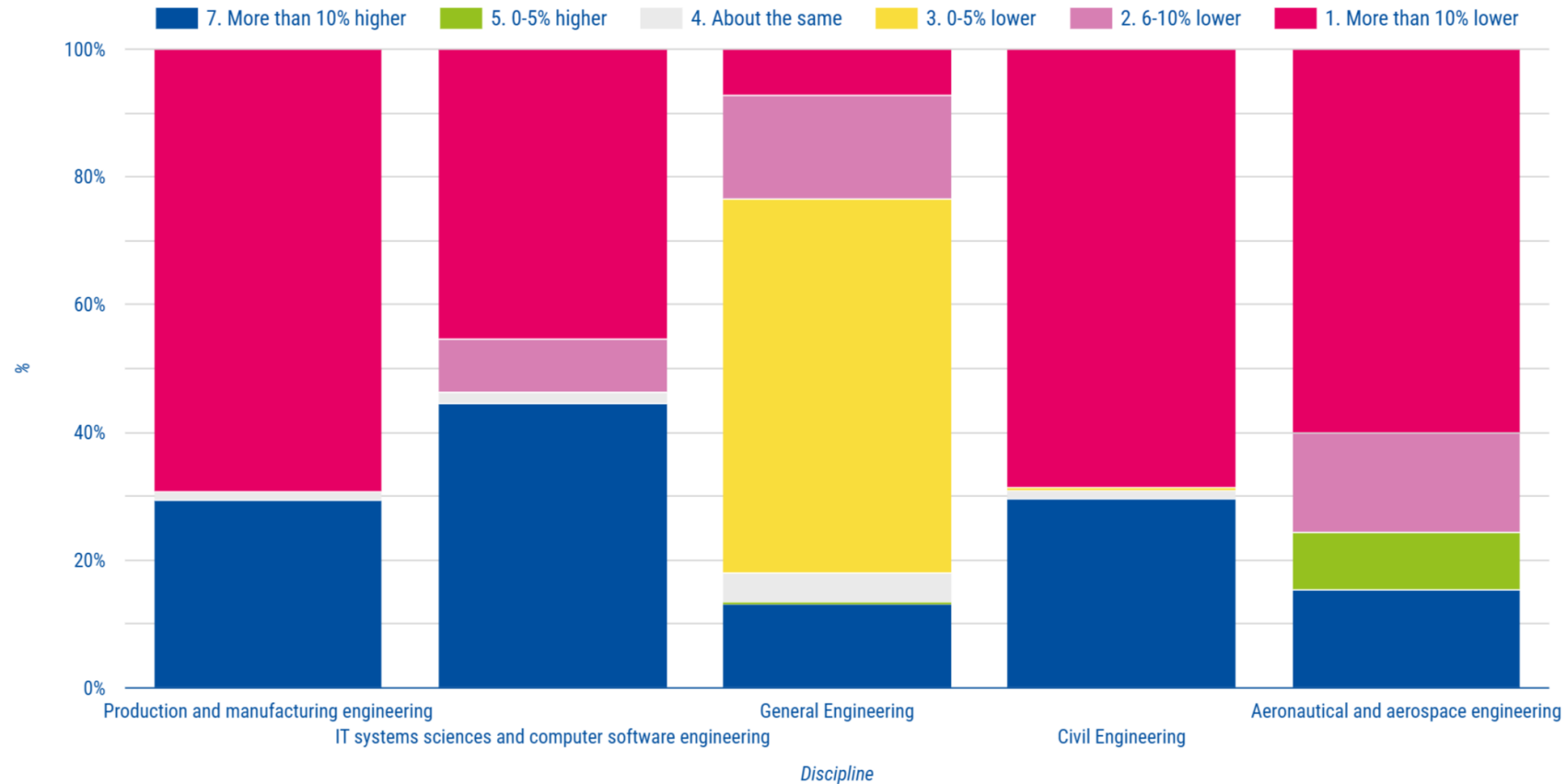
- If the greyed *About the same* in the middle is below the half-way mark, it means an overall decrease in enrolments, above= an overall increase. The rest is refinement.
- Can further refine online by limiting subjects through the controls.
- **Winners:**
 - Mechanical engineering
 - Electrical, electronic, and computer engineering
- **Losers:**
 - Production and manufacturing engineering
 - Civil engineering
 - Aeronautical and aerospace engineering



Higher enrolments than last year



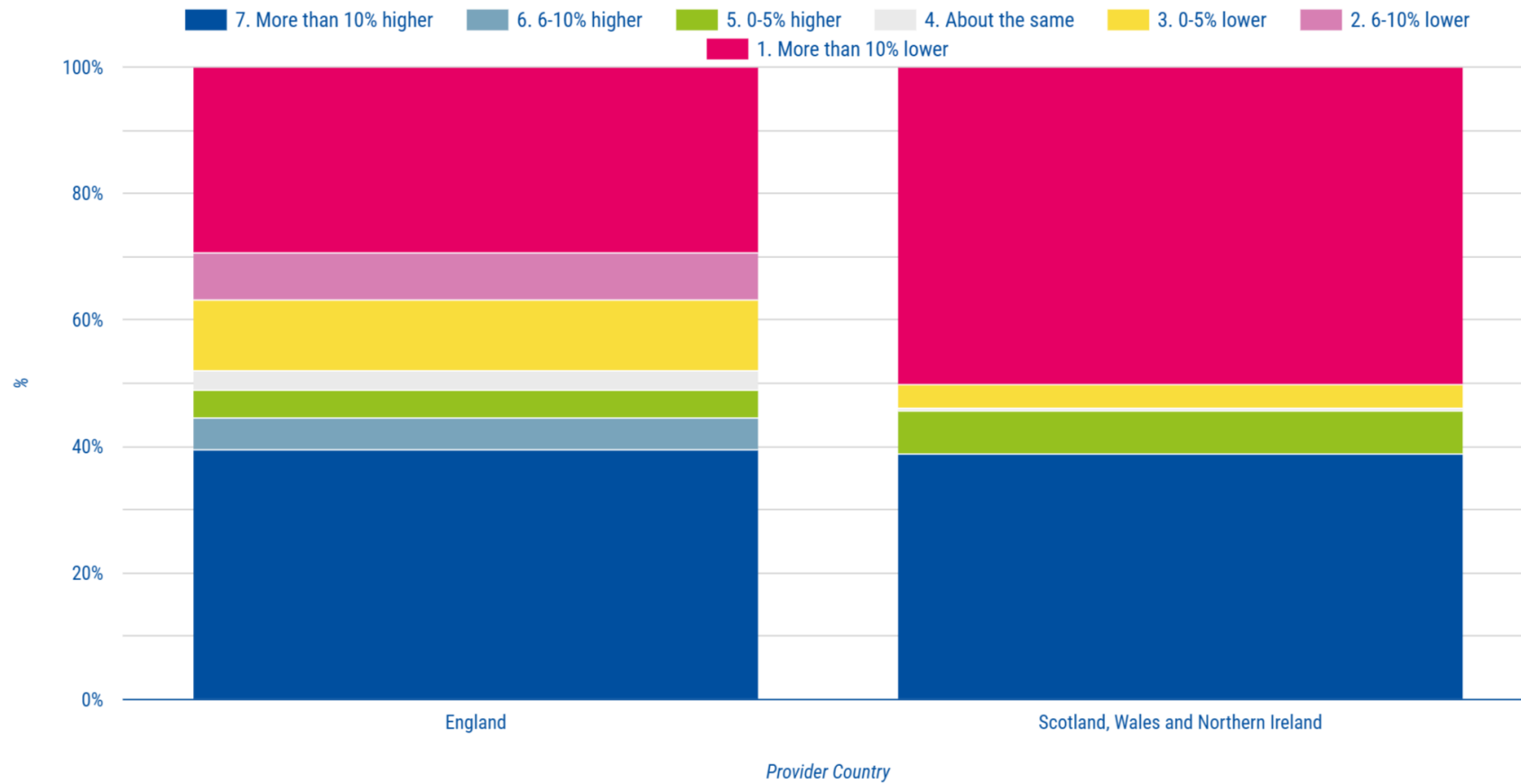
Lower enrolments than last year





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Closing reflections

- EPC survey offers early warning signals, not the definitive word
- Recruitment / selection is made in context
 - Government looking to shrink the sector
 - Evidence in the sector that providers are being more selective
 - Institutional strategies and targets
- The results are live on EPC online
- Questions and feedback welcome
 - Feedback on the value of the service
 - EPC online Takeaways (coming up)
- Thank you






**Engineering Academics
NETWORK**

DATA DIVE WORKSHOP

**EPC STUDENT
ENROLMENT
SURVEY**

1-2PM, ONLINE

