From A levels to engineering

Exploring the gender gap in higher education

**Women in higher education**

First year undergraduates in engineering and technology: 18% women

First year undergraduates in all subjects: 57% women

**A levels breakdown**

First year undergraduates who have studied A level in maths and physics:

- Maths and physics: 22% women
- Maths only: 50% women
- Physics only: 31% women

- Maths and/or physics: 40% women

**Engineering and technology is the top HE study subject for students studying both maths and physics subjects at a level**

39% men

29% women

**Closing the gap**

Students who studied maths and/or physics at A level who went on to become engineering and technology undergraduates:

- 23% men
- 8% women

Number of girls needed to study A levels to reach the same number of women undergraduates in engineering and technology as men:

- Maths and/or physics: 150,000 girls = 115,000+ on current numbers
- Maths and physics: 33,000 girls = 26,000+ on current numbers

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