

UG Recruitment and Admissions

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Engineering Professors' Council
Admission Working Group



PHEE

A forum for Academic Leaders in
Electrical Engineering and Allied Technologies



Professors & Heads of
Mechanical &
Manufacturing Engineering

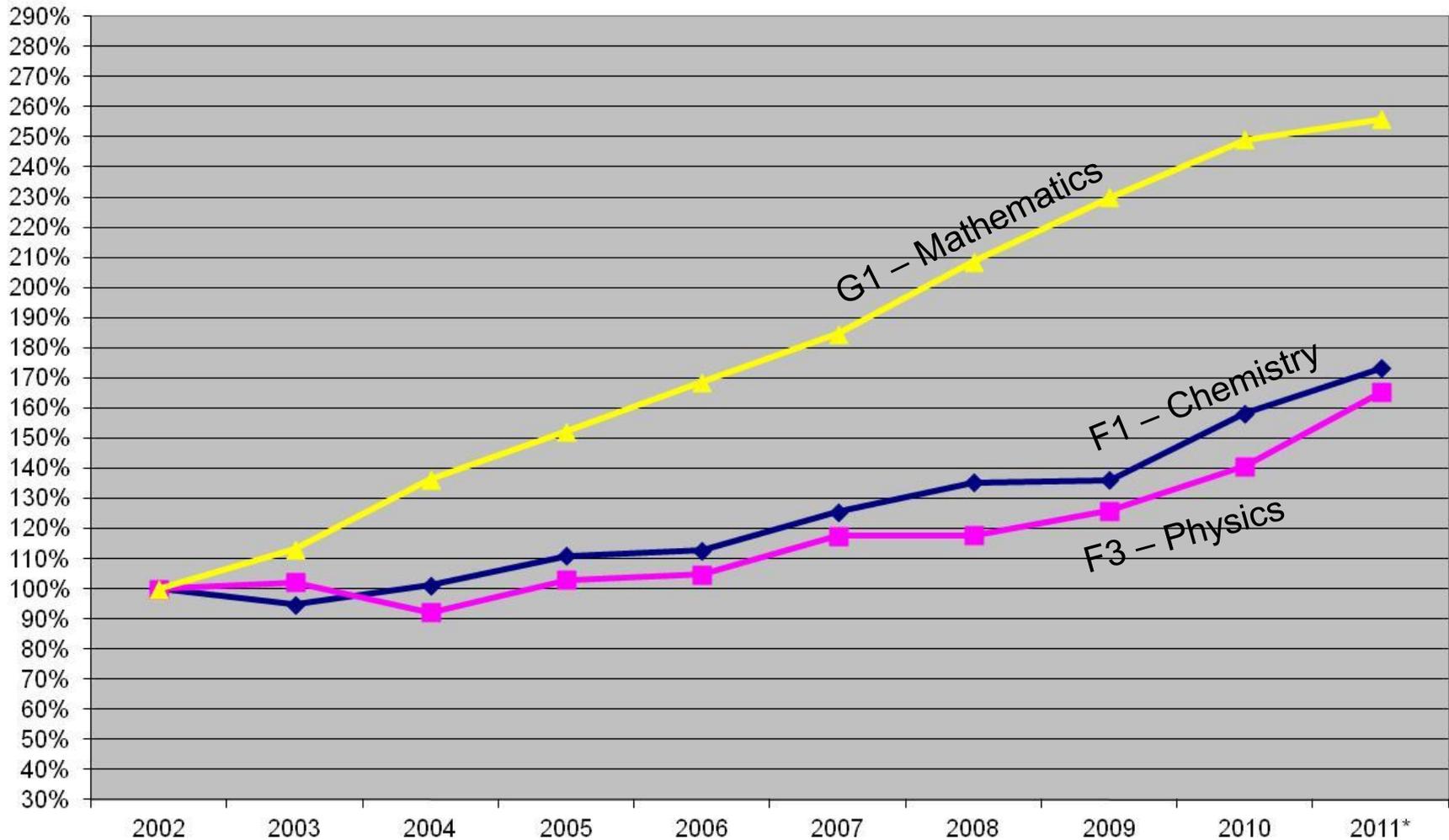
IET Academic Partners
The Institution of
Engineering and Technology

UCAS Statistics 2002-2011

- Have been tracking admissions trends for EPC's Admissions Working Group since 2002
- Following statistics extracted from UCAS annual datasets
 - ◆ With the exception of provisional 2011 figures which are estimated from UCAS press releases
 - ◆ Release of final 2011 dataset expected in 1-2 months

Applications to Maths & Science Courses

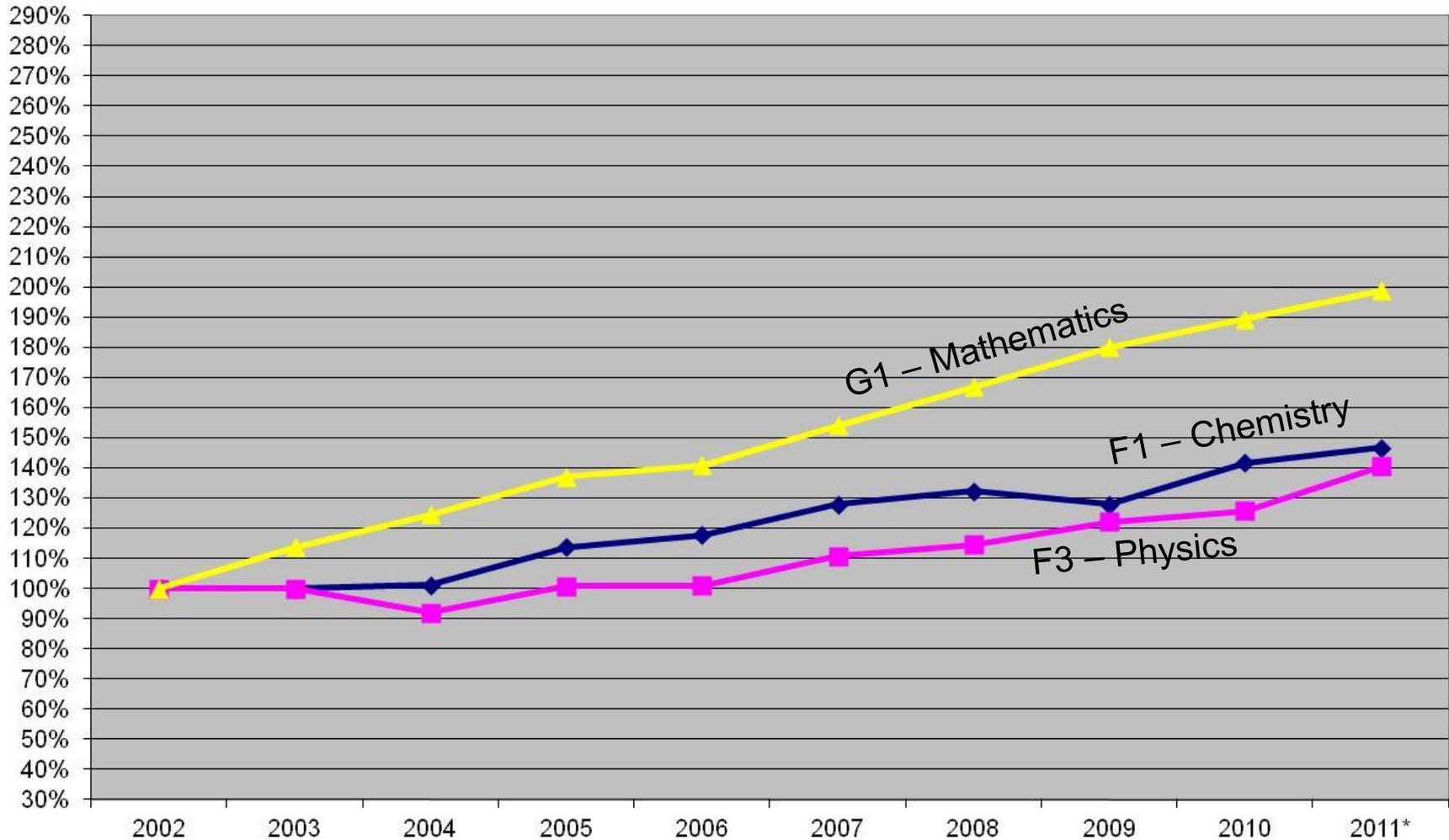
Change in Undergraduate Applications Since 2002



Number of applications to Maths degrees continues to grow

Entry into Maths & Science Courses

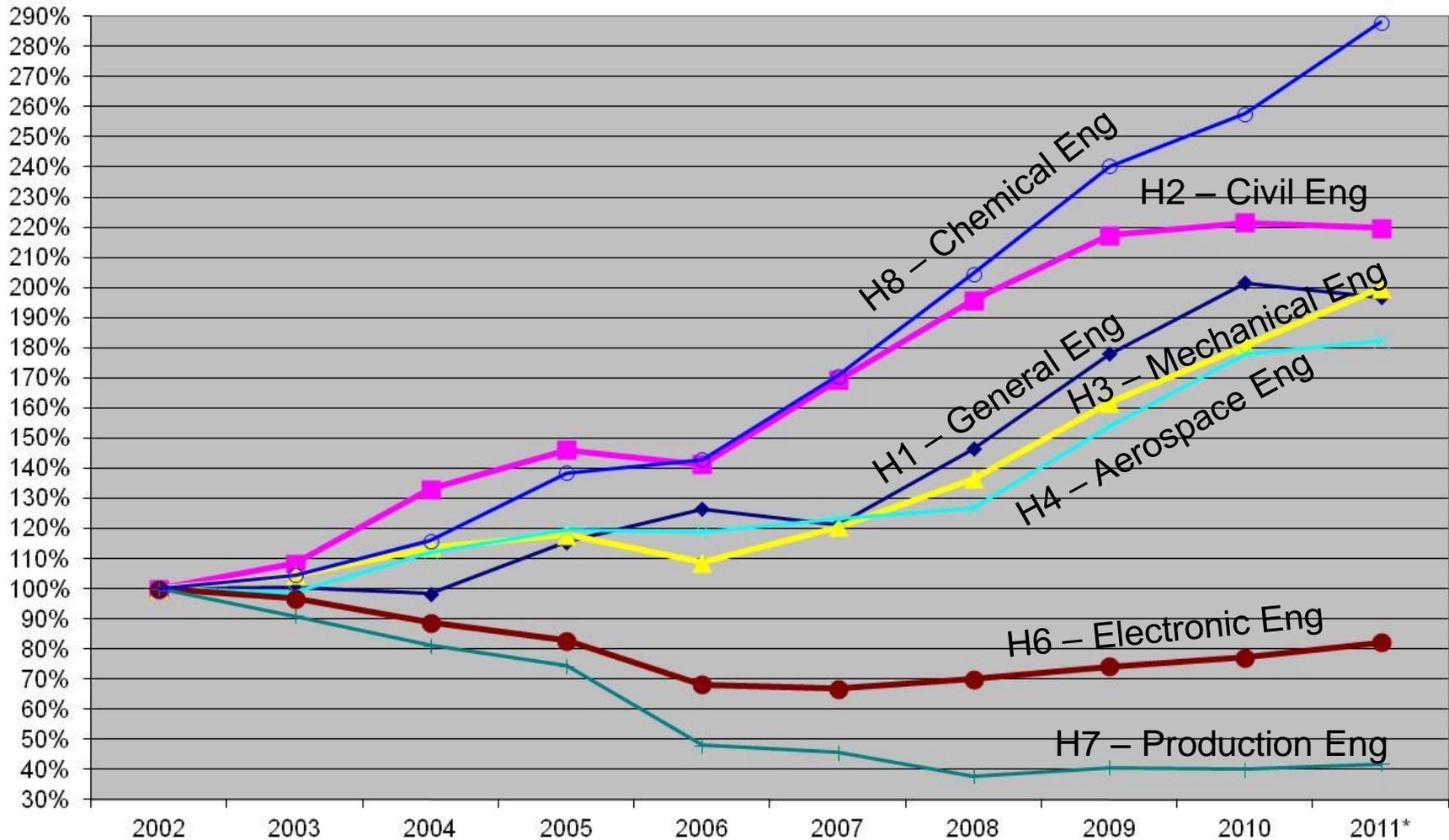
Change in Undergraduate Acceptances Since 2002



Growth in Maths acceptances slower – but no sign in saturation

Applications to Engineering Courses

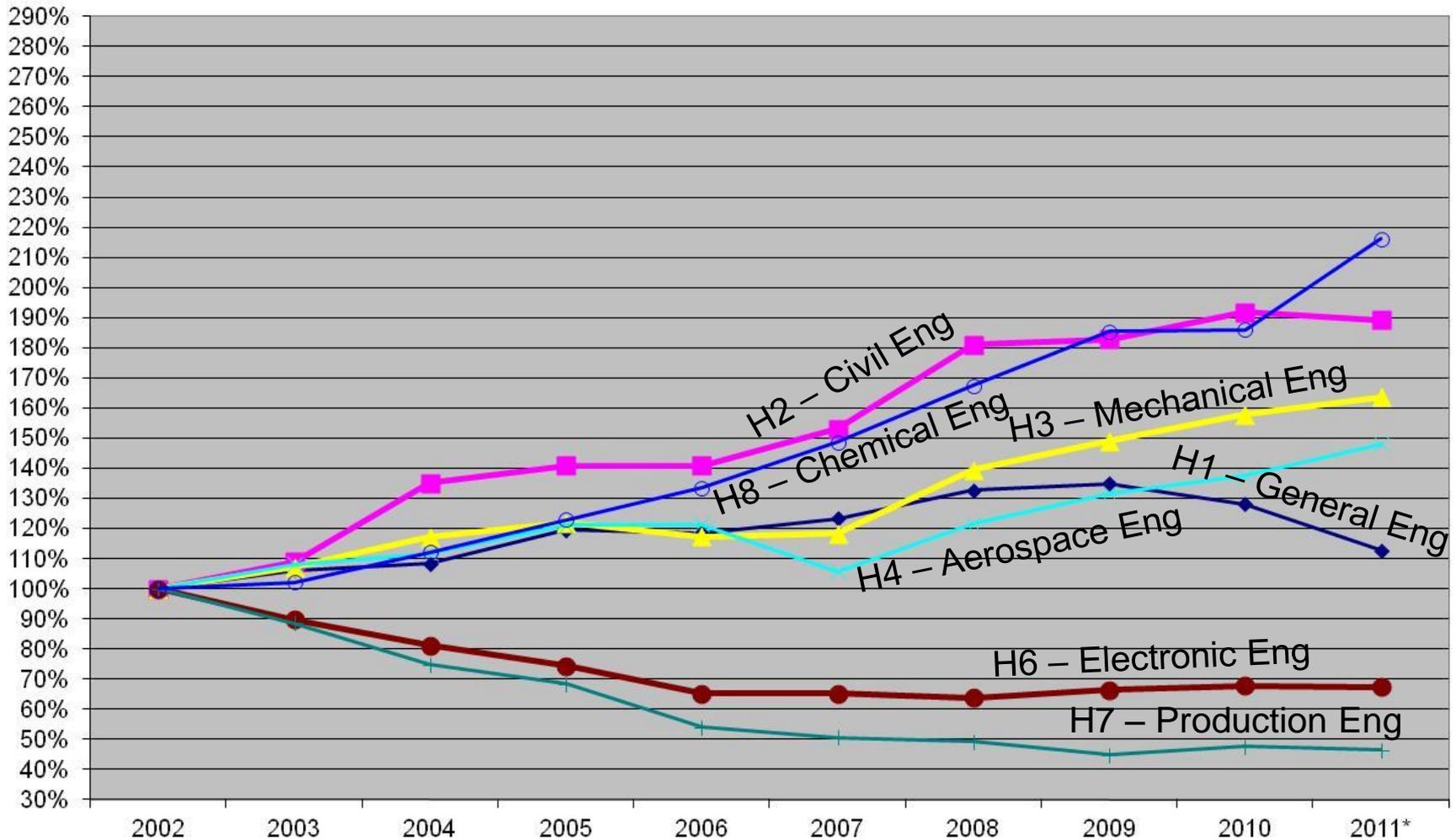
Change in Undergraduate Applications Since 2002



Slow recovery of Elec Eng applications; Mech Eng rocketing away;
Chem Eng still climbing while Civil Eng plateaus

Entry into Engineering Courses

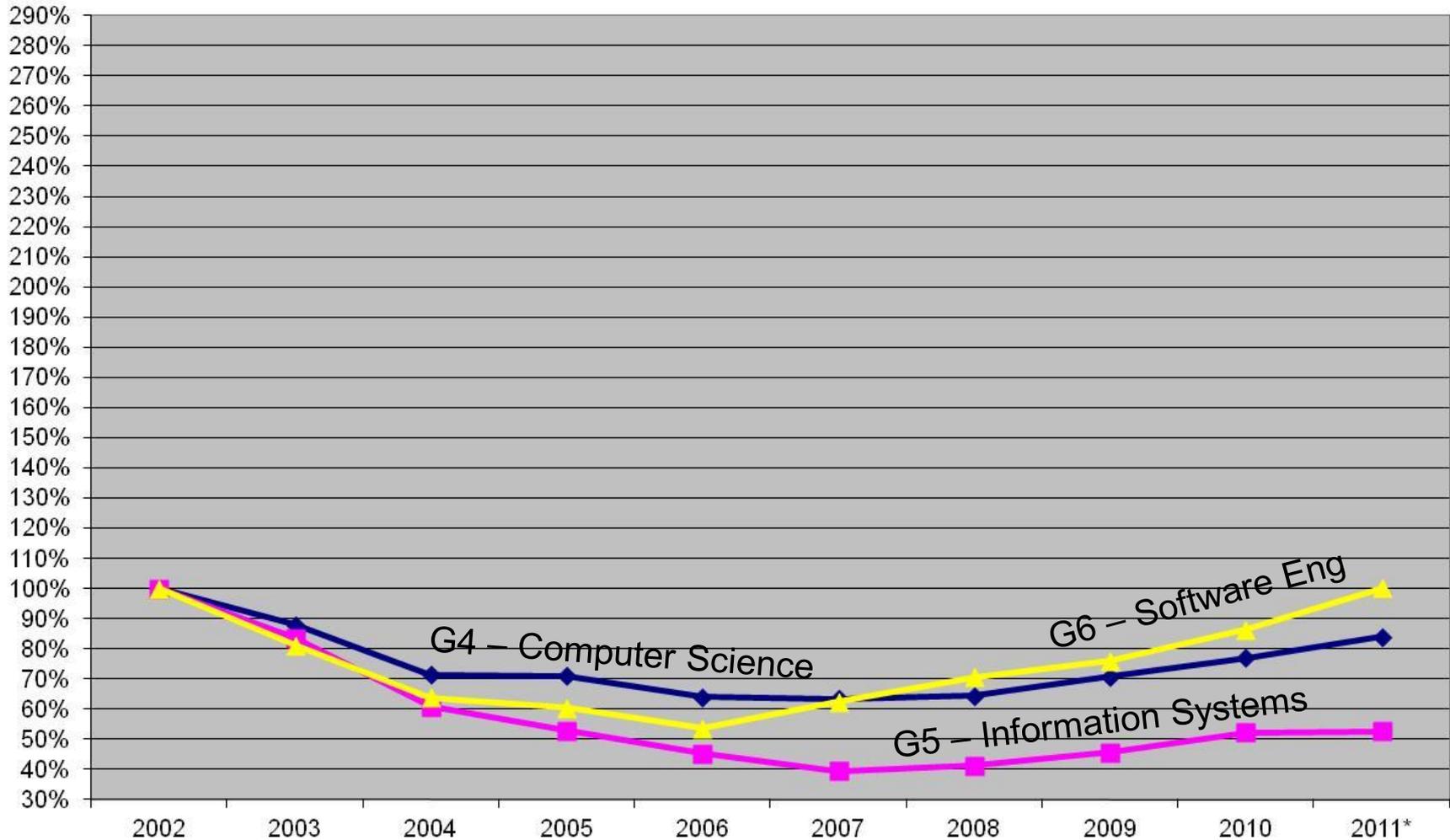
Change in Undergraduate Acceptances Since 2002



Some evidence of Civil Eng reaching capacity but Chem Eng insatiable

Applications to Computing Courses

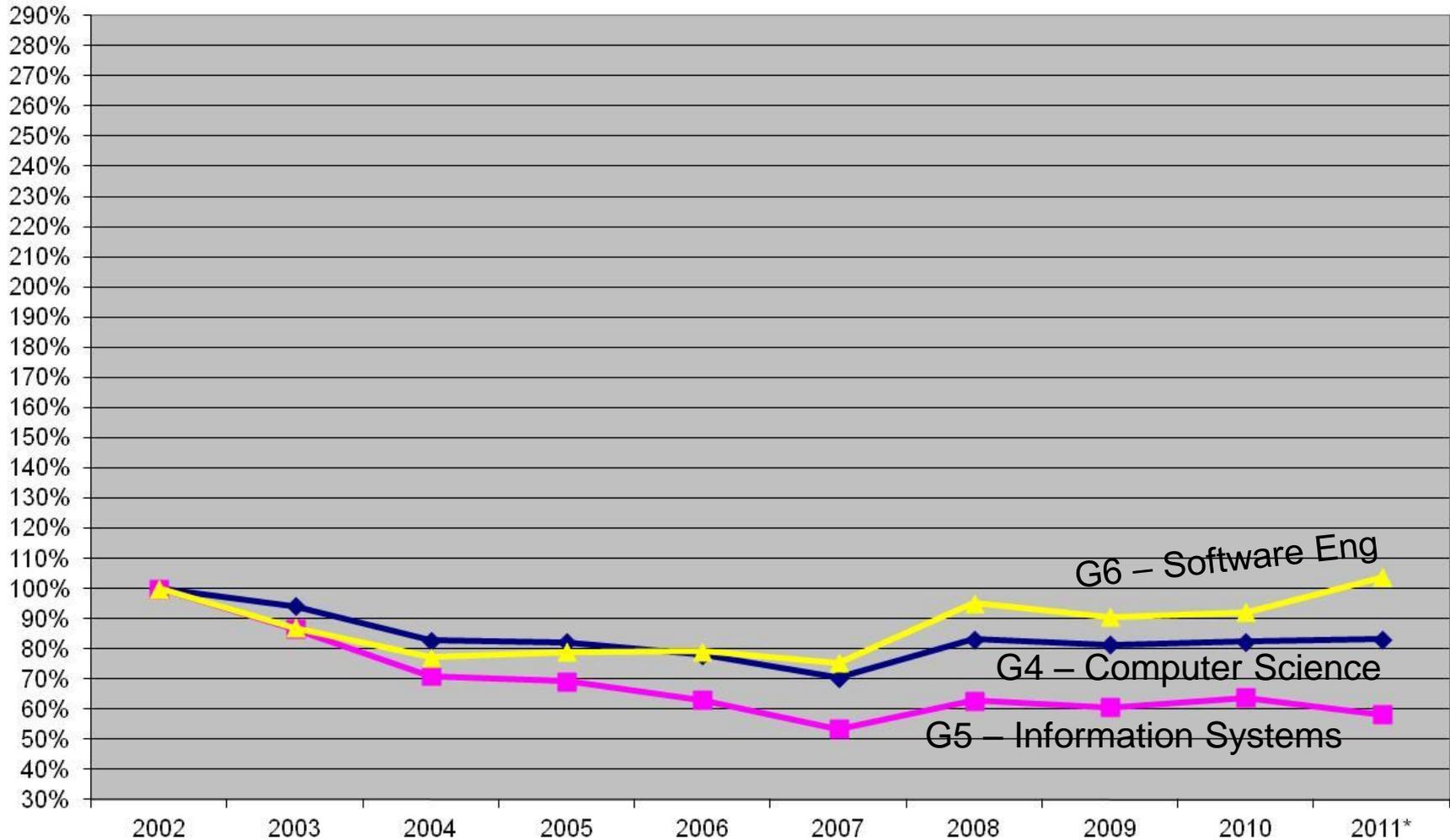
Change in Undergraduate Applications Since 2002



Software Eng back to 2002 levels; rest of computing steadily recovering

Entry into Computing Courses

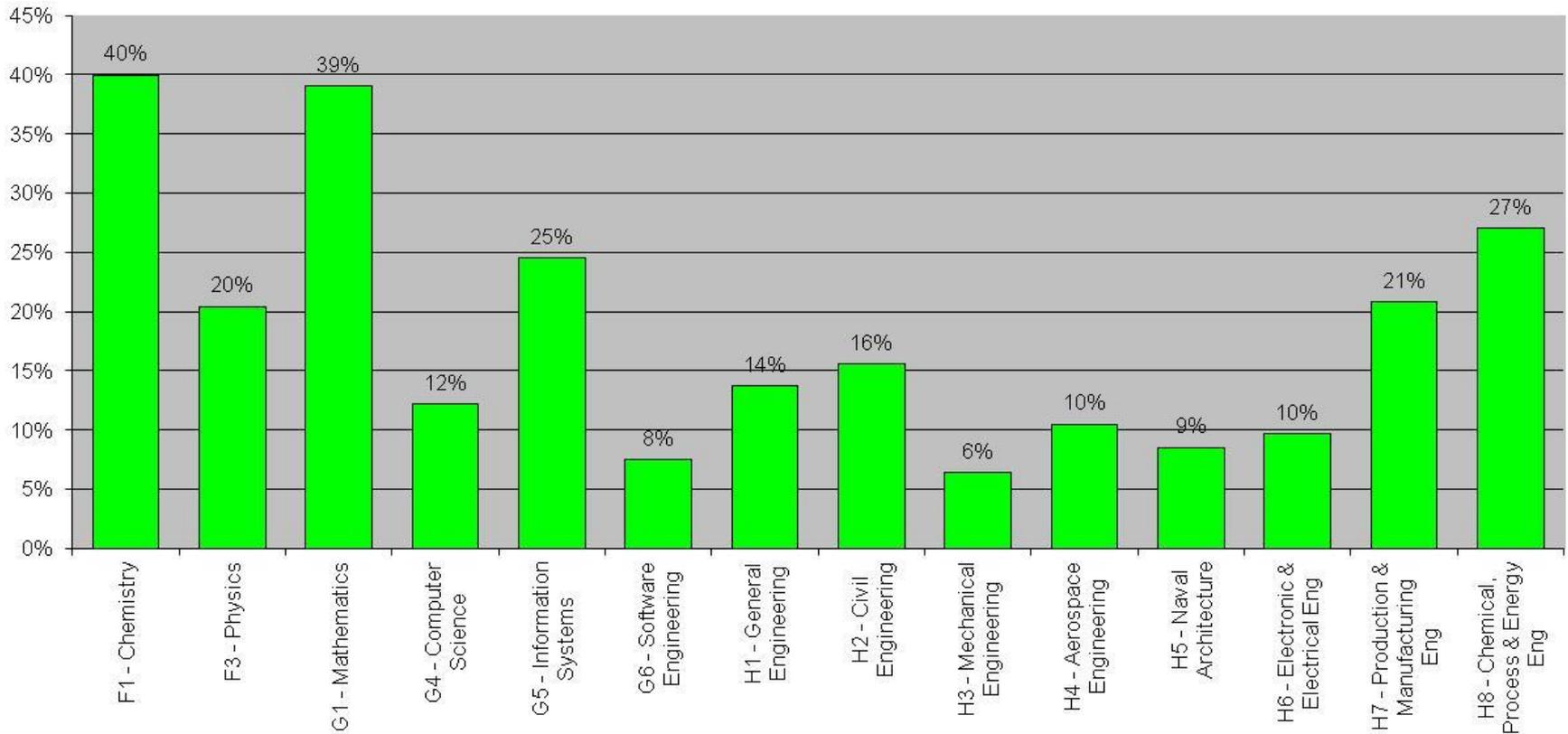
Change in Undergraduate Acceptances Since 2002



Computing acceptances relatively constant

The Gender Imbalance

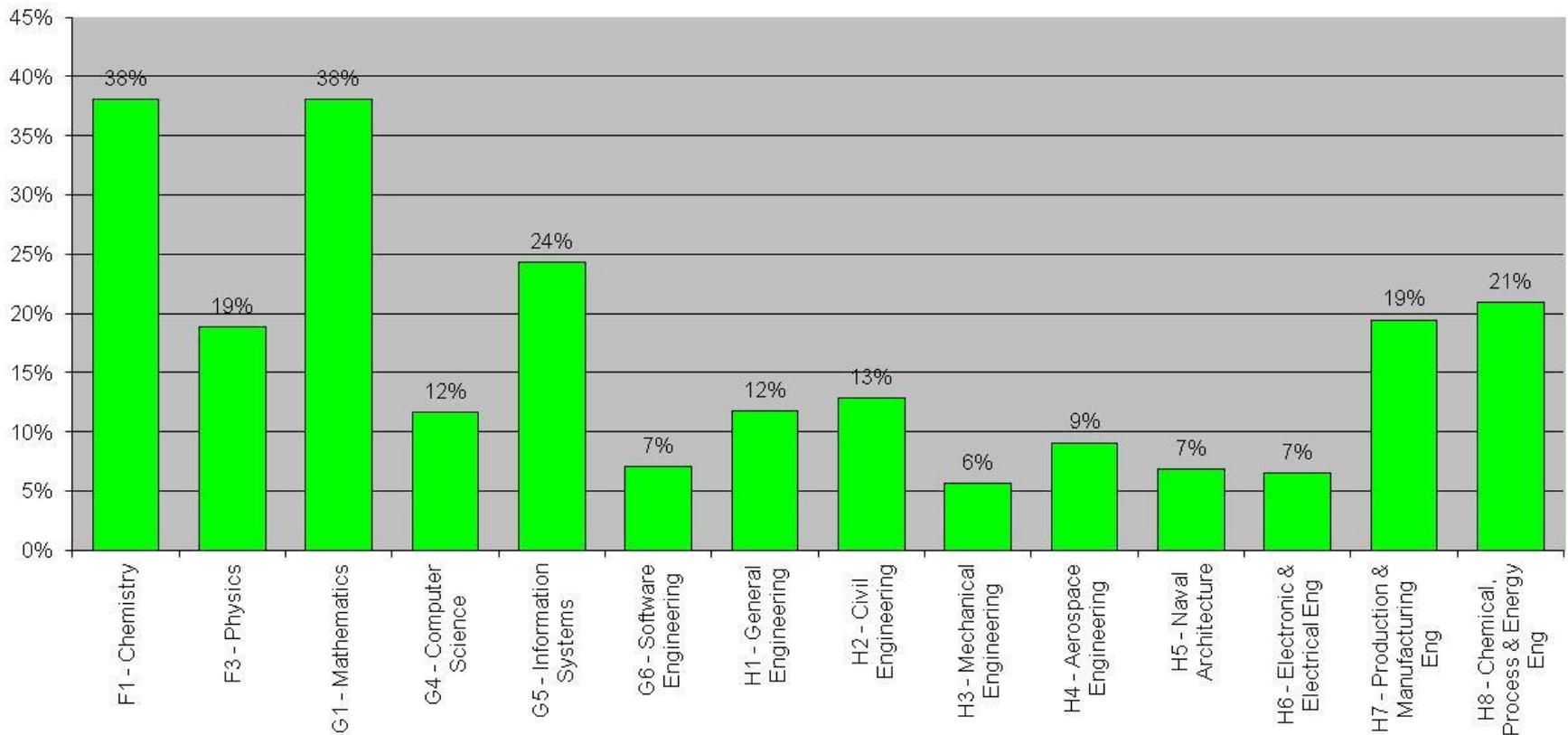
Proportion of Applications from Females onto Degree Courses by Subject 2010



Very little change since 2002!

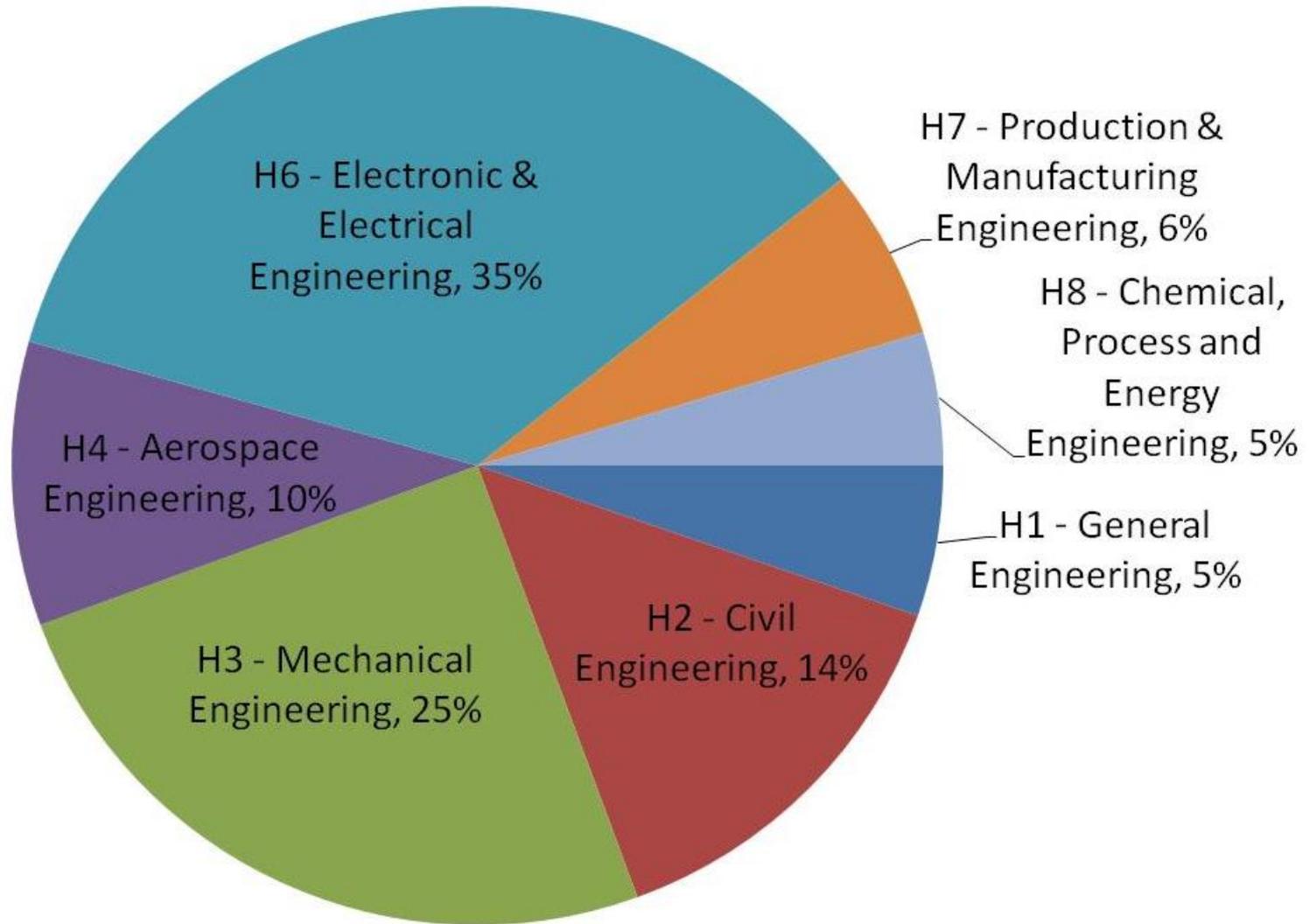
The Gender Imbalance

Proportion of Applications from UK-Domiciled Females onto Degree Courses by Subject 2010

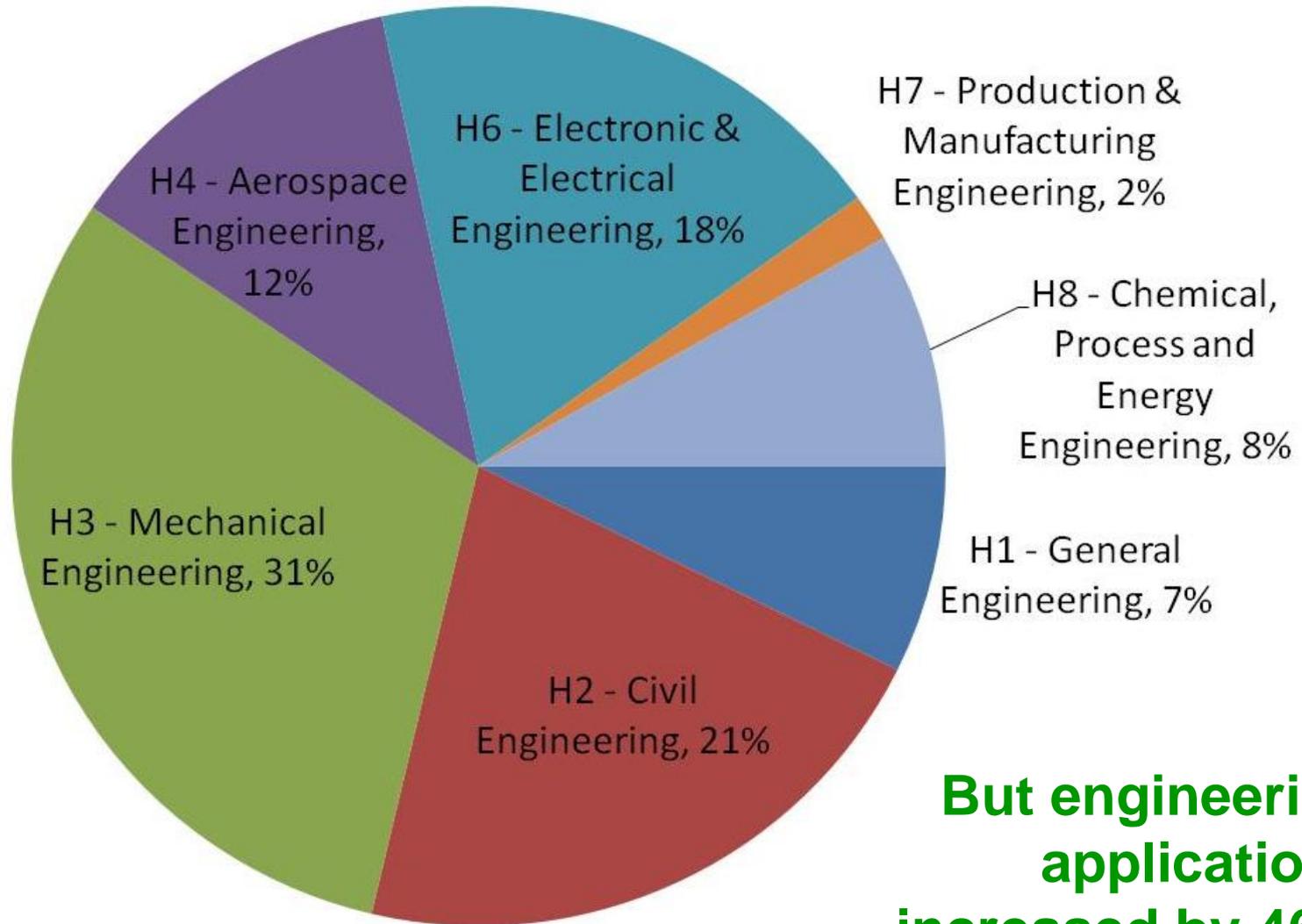


Female participation lower for UK-domiciled applicants

Share of Engineering Applications – 2002



Share of Engineering Applications – 2010



But engineering applications increased by 46%

2012 Applications – So Far

- Year-on-year UCAS application numbers December 2010 – December 2011:

JACS 3 Subject Group	Change
Group F Physical Sciences	+0.5%
Group G Mathematical & Comp Science	-3.4%
Group H Engineering	-1.8%
Group I Computer Sciences	-7.7%
All Subjects	-6.0%

- **Could be worse!**
- **But early days yet; will they convert?**

Overseas MSc Entry

- Last autumn, many (but not all) engineering departments experienced a big drop in the intake to engineering MSc courses
 - ◆ Especially from India
- UK PSW visa changes most likely to be cause
- UK now unattractive c.f. Canada and Australia
- Government policy killing off big UK export business

Doom Laden, Gloomy or Irrepressibly Optimistic?

- ✓ All political parties committed to STEM subjects
 - ✗ But politicians not so good at putting the money where their mouth had been
- ✗ 2012 Intake – unknown territory
 - ✓ But applications holding up
- ✗ Visa restrictions threaten overseas market

Where do you stand?