

Women in Research and Higher Degrees in the Mathematical Sciences

ACE Forum

- ▶ Introduction:
 - ▶ A/Prof. Yvonne Stokes (Chair, WIMSIG; Uni. Adelaide).
- ▶ Speakers:
 - ▶ Prof. Peter Bouwknegt, (Director Mathematical Sciences Institute, ANU).
 - ▶ A/Prof. Inge Koch (AMSI CHOOSEMATHS Exec. Director; U Adelaide).
 - ▶ Ms Courtney Darville (Hons student, Pure Math, U Sydney).
 - ▶ Prof. Cheryl Praeger (Professor of Mathematics, UWA).
 - ▶ Ms Rheanna Mainzer (PhD student, Statistics, La Trobe U).
- ▶ Discussion

Honours and PhD Degrees

Gender Trends Across Universities in the Mathematical Sciences, AMSI, July 2016

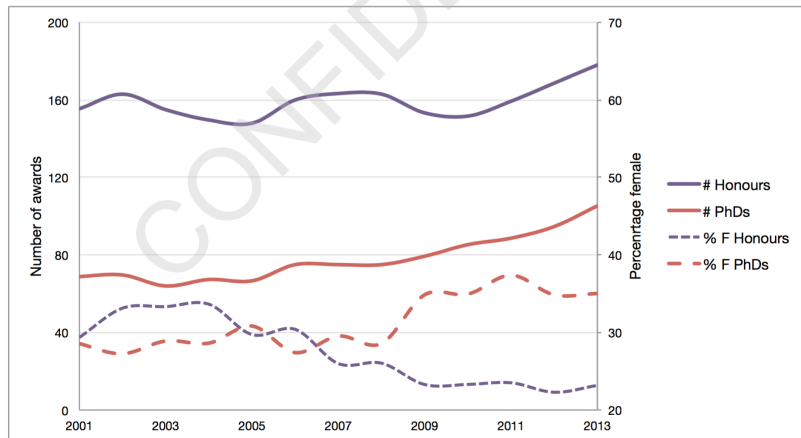


Figure 2: Total number of degrees alongside the percentage of females within each degree type, with a three year moving average

Domestic and International Female PhDs

Gender Trends Across Universities in the Mathematical Sciences, AMSI, July 2016

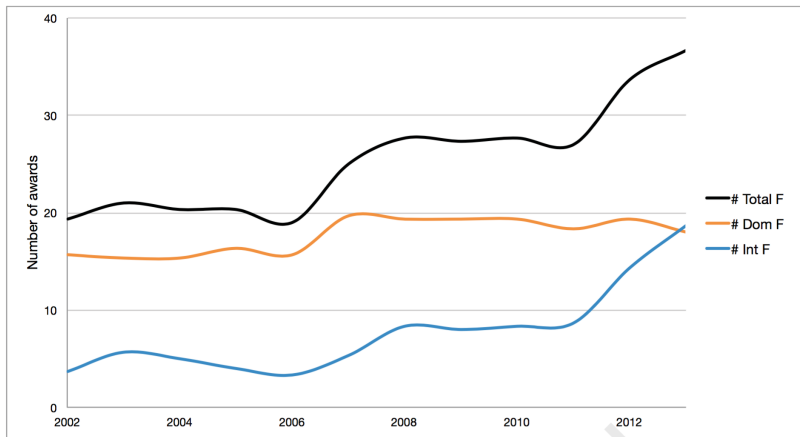


Figure 3: The number of domestic and international female PhD awards, with a three year moving average. Data from 27 institutions. Source: AMSI University Survey [2]

Key Findings

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AMSI report, *Gender Trends Across Universities in the Mathematical Sciences*, July 2016, shows

- ▶ 2004–2013: steady **decrease** in % female Honours completions; **33% → 23%**.
- ▶ 2009: rapid **increase** in % female PhD completions; **28% → 35%**.
- ▶ 2011–2013: rapid **increase** in international female PhD completions; **32% → 51%** of all female PhD completions.
- ▶ 2011–2013: rapid **decrease** in domestic female PhD completions; **24% → 17%** of all PhD completions.

**Worrying trends for female Honours and PhD completions.
Likely to affect number of female academics in Australia.**