



School of Computer Science
and Engineering

PHD SCHOLARSHIP: MALWARE ANALYSIS

There is a PhD top-up scholarship opportunity to study malware detection and analysis in complex enterprise systems under the supervision of Prof Richard Buckland.

Applications are invited to apply for a PhD top-up scholarship for research into new methods for detection of malicious software (malware) from analysis of system event logs.

Malware analysis is defined as the study of features and authorship of malicious software.

Analysis of malware typically requires strong technical skills (reverse engineering of software, for example), an understanding of security context (knowledge of existing tradecraft of malware authors), and a great deal of patience. Malware authors routinely adjust their tradecraft to achieve their objectives, including the addition of features designed to prevent, delay or obfuscate malware analysis.

This PhD would investigate what range of indicators can be relied on for post-infection discovery of malware on a system or between systems.

SCHOLARSHIP DETAILS

The top-up scholarship is provided by the School of Computer Science and Engineering, UNSW Sydney under the CommBank Security Engineering program (sec.edu).

The top-up scholarship is valued at **\$20,011*** provided for three and a half years for a Doctor of Philosophy, and two years for a Research Masters.

**2017 stipend rate (indexed annually). The top-up scholarship is tax free for full time students.*

ELIGIBILITY

A successful candidate must provide:

1. A valid unconditional offer of admission to a postgraduate research degree at UNSW
2. An offer for an **RTP award** at UNSW

APPLICATION PROCEDURE

Submit Expression of interest to the school containing:

- Evidence of application for admission to a postgraduate research degree at UNSW
- Evidence of application for an RTP award at UNSW
- Demonstrate interest in the field of cyber security as evidenced by the research proposal submitted for admission.
- Current CV
- Copies of academic transcripts
- A one page statement outlining which scholarship theme (outlined above) they are seeking to apply for

(please see [How To Apply](#) steps for instructions and [Key Dates](#) for relevant dates)

CLOSING DATE:

The school will accept applications twice yearly.

30 May 2017 or 31 January 2018

Please refer to the [Key Dates](#) page to ensure you meet the relevant scholarship and admission deadlines for your personal circumstances.

Submit your EOI to:

Email: scholarships@cse.unsw.edu.au

