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## Human Resources

## Recruitment Handbook

**SELECTION CRITERIA**

Use this form to define the selection criteria for an academic position at the University of Adelaide.

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| **POSITION DETAILS** |  |
| **School/Branch:** | School of Computer and Mathematical Sciences |
| **Classification** | Grant Funded Researcher (B) |

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| **ESSENTIAL MINIMUM CRITERIA** |
| 1. To have or about to complete a PhD in related fields such as mathematics, and computer science; 2. Demonstrated experience with system and network security; 3. Outstanding publication records – relative to opportunity 4. Be eligible to attain a Commonwealth of Australia Department of Defence security clearance; and 5. Commitment to the principals of equity, diversity and inclusion. |

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| **DESIRED CHARACTERISTICS** |
| 1. Experience and familiarity with advanced abstract algebra 2. Demonstrated experience and understanding of network design concepts such as topology, scalability, reliability, performance, security, quality of service (QoS), scalability, convergence, modularity, standards and protocols; 3. Demonstrated experience with Machine learning and statistical inference; 4. Demonstrated experience with Python, NetworkX, Bash Scripting; 5. Demonstrated experience with Network emulation and virtualisation and Docker containers; 6. Demonstrated experience of SPARQL Protocol and RDF Query Language 7. Demonstrated experience of Parser development |
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| **APPROVALS – HEAD OF SCHOOL/BRANCH MANAGER** |
| Head of School / Branch Manager  Name:…………………………………………………..Signature:………………………………………………. Date:……………………………….. |

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| **ACKNOWLEDGEMENT OF INCUMBENT** |
| I have read and understood the requirements of the position  Name:*(please print)………………………………………….*Signature:………………………………………….Date:……………………………….. |