Development of a Postgraduate Program in Defence Operations Research

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**Development of a Postgraduate Program in Defence Operations Research**

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Defence Operations Research Education

- Joint development between DSTO and UNSW@ADFA
- Part of DSTO's Continuing Education Initiative
  - *CEI is designed to increase skills of defence scientists in core skill areas relevant to Defence*
  - *Six streams including human factors, systems engineering, defence technologies and operations research*
- Allows staff to further their education and enhance their skills
- Expect UNSW@ADFA to offer their own program which will be open to any prospective student
CEI Academic Structure

GRADUATE CERTIFICATE
1 Core (Systems Engineering for Complex Problem Solving)
+ 3 Technical

GRADUATE DIPLOMA
1 Core (Research Methodologies in a Multidisciplinary Environment)
+ 3 Technical

MASTERS DEGREE
Minor Thesis
DOR Courses

- Introduction to Defence Operations Research (IDOR)
- Decision Analysis (DA)
- Optimisation Techniques (OT)
- Analysis of Military Systems (AMS)
- Warfare Modelling Analysis (WMA)
- Concept Development, Experimentation & Wargaming (CDEW)
- Introduction to Simulation (IS)

- Many courses are new and to be developed
- All will be available by distance learning (web-based)
- Plus electives in SE, stats, etc
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