Curtin University Defence

Curtin University

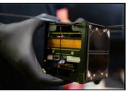## Defence Focussed Teaching and Learning

Strategic and Defence studies: courses available fully online.

Graduate International Relations and National Security: Offering Graduate Certificates, Diplomas, and Masters.

Global Subject Ranking: Top 50 global ranking in five engineering and technology subjects.

Electrical Engineering, Computing and Mathematical Sciences: Brings together Curtin's core capabilities across electrical engineering, computing, physics, and mathematics.

Defence related courses: Courses in machine learning, cyber security, statistics and optimisation, digital transformation, radio astronomy, the internet of things, signal processing, embedded systems, renewable and power engineering.

Defence Ready

DISP Accreditation: Upcoming DISP Zone 3-4 Facility to open in Q2 2024.

Risk Management: Strong Foreign Risk Management Framework in place.

Academic Staff: Security-cleared academic personnel for defence research.

Key Customers

ADF: Collaboration with the Royal Australian Navy, Australian Army, and Royal Australian Air Force.

Government: Partnerships with Department of Defence, DSTG, and CSIRO.

Industry: BAE Systems, Lockheed Martin, Boeing, Babcock, Huntington Ingalls Industries, and more.

Space Agencies: Involvement with NASA, ESA, JAXA and the Australian Space Agency.

Submarine & Shipbuilding: ASC, Australian Submarine Agency, and BAE Systems.

Defence Focussed Research

Centre for Maritime Sciences & Technology specialise in underwater acoustics modelling and stereoscopic imaging.

Future of Work Institute explores human challenges of working in complex systems.

Centre for Exploration Geophysics conducts world-class research in characterisation and monitoring of the subsurface

Institute for Radio Astronomy are engaged in designing and deploying the world's largest ground-based IoT sensor network for space.

Space Sciences & Technology Centre are world class experts in optical tracking, spacecraft engineering, CubeSats, and planetary surface mapping

Curtin Institute for Data Science: focuses on data analytics, visualisation and computational modelling to provide innovative multi-domain solutions.

IHub for Immersive Visualisation & eResearch provides large-scale visualisation systems to deliver data enrichment capabilities for training environments.

Synoptic Situational Awareness specialises in data fusion, emphasising scalable technologies to to provide comprehensive situational awareness.

Centre for Optimisation and Decision Science develops advanced mathematical theory and algorithms to solve optimisation and scheduling problems.

Corrosion Centre delivers state-of-the-art corrosion and materials research.

Combat Systems Architectures & Software Engineering develops and tests advanced combat systems architecture concepts and technologies for submarines.

Strategic Partnerships

Digital Transformation

Innovation Central Perth
A collaboration led by

Supercomputing

PAWSEY
supercomputing centre

Artificial Intelligence

OPTU5G
Optus 5G Future AI Labs

Resources and Critical Minerals

Australian Government
Department of Education

The Resources Technology and Critical Minerals Trailblazer

Data Science

WA DATA SCIENCE INNOVATION HUB
Powering an AI Future

Data Science Transforming Maintenance

Space

SMARTSAT
COOPERATIVE RESEARCH CENTRE

AROSE

Security and Networking

CyberCX
Secure Enclaves Initiative

CISCO
Cisco Centre for Intent-Based Networking

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