HAWKESBURY I CLIMATE CHANGE SCIENCE

Research capability to tackle the most pressing issues in environmental and natural sciences that has global reach.

KEY CAPACITIES

- → Genome Sequencing
- → Bushfire Science
- → Plant and Animal Ecology
- → Ecosystem Modelling

→ Soil Health

PENRITH PRECINCT URBAN INNOVATION

Here is our testbed for progressive research in engineering, managing, planning and greening urban landscapes of tomorrow.

KEY CAPACITIES

- → Sustainable and Smart Construction
- → Advanced Materials and Manufacturing
- → Circular Economy
- → Sustainable Urban Living





ENVIRONMENT & SUSTAINABILITY

TRANSLATION, INTEGRATION AND INNOVATION









WESTERN SYDNEY UNIVERSITY SUPPORTS THE SUSTAINABLE DEVELOPMENT GOALS

HAWKESBURY II GLOBAL FOOD SECURITY

A rich history in agricultural research and practice, vast landholdings and unique field-based research facilities support research that investigates how to feed the world.

KEY CAPACITIES

- → Protected Cropping
- → Biosecurity
- → Crop Pollination

PARRAMATTA CBD GREEN ECONOMY

In the Central River City, we develop solutions to enhance and protect global biodiversity while progressing environmental responsibility.

KEY CAPACITIES

- → Urban Transformation
- → Engineering Innovation
- → Carbon Accounting
- → Industry Start-ups

PARRAMATTA SOUTH AND CBD RESILIENT COMMUNITIES

Our evidence-based concepts for urban and social renewal aim at building resilient cities and communities.

KEY CAPACITIES

- → Urban Heat
- → Environmental Activism
- → Zero Waste
- → Planetary Health

AEROTROPOLIS -

NEW ENVIRONMENTAL FRONTIERS (FORTHCOMING)

We provide aviation and aerospace research programs as partner of the Multiversity at the Aerotropolis and actively contribute to the creation of a highly skilled local workforce and technologies necessary to explore space.

KEY CAPACITIES

- → Defense and Space Applications
- → Aerospace and Aviation Technology