

List of current areas of research strength

University of Wollongong Research Strengths (2007- 09)

Research Strength	Disciplines Represented	National Research Priorities
ARC Key Centre for Asia Pacific Social Transformation Studies (CAPSTRANS)	sociology, comparative law, history and politics, accounting, economics, management	Safeguarding Australia
Centre for Health Service Development	public health, finance, accounting, economics management	Health
Oceans and Transnational Security	oceans law, marine and environmental science, transnational crime, international conflict, national security	Environment Safeguarding Australia
Engineering Manufacturing	mechanical, electrical and power engineering, materials science	Frontiers Technologies
Engineering Materials Institute	materials science and mechanical engineering	Frontiers Technologies
GeoQuEST Research Centre	archaeology, geology, geography, environmental science, spatial technologies	Environment
Centre for Medical Bioscience	structural, protein, cell and molecular biology	Health
Centre for Medicinal Chemistry and Pharmacology	organic and medicinal chemistry, structural, cell and molecular biology	Health
Centre for Medical Radiation Physics	nuclear and particle physics, radiation medicine, oncology, instrumentation	Health, Frontier Technologies
Centre for Statistical and Survey Methodology	applied statistics and statistical methodology	Health, Safeguarding Australia
Institute for Conservation Biology and Law	conservation and marine biology, ecology, natural resources and environmental law	Environment
Institute for Superconducting and Electronic Materials	materials science, chemistry, physics	Frontier Technologies
Intelligent Polymer Research Institute/ARC Centre of Excellence for Electromaterials Science	chemistry, materials science	Frontier Technologies
Telecommunications and Information Technology Research Institute	telecommunications engineering, computer science, education, graphic design, music technology	Frontier Technologies

List of emerging areas of research strength

Strategic Research Priority Areas:

The University of Wollongong has identified 3 major areas of research foci for the next 3-5 years:

- Illawarra Health and Medical Research Institute (IHMRI)
- SMART Infrastructure
- Social Innovation

In addition to current research strengths and the strategic research priority areas above, the university has identified the following emerging areas of research strength:

Strategic Research Initiatives

Funds cross-faculty and new research initiatives identified as strategic to UOW or faculty research development. Supports development of the capability of small teams conducting research in areas outside those of existing research strengths, with a clear trajectory for growth.

- Centre for Atmospheric Chemistry (CAC)
- The Centre for Health Initiatives (CHI)
- Shoalhaven Marine and Freshwater Centre (SMFC)
- Smart Foods Centre (SFC)
- The Child Obesity Research Centre (CORE)
- Centre for Translational Neuroscience (CTN)
- Innovation in Cultural Research (ICR)

Research Networks

Supports development and enhancement of research collaborations and activities between groups of researchers or nodes (eg, research strengths, strategic research initiatives and external entities) across disciplinary and organizational boundaries.

- Energy Futures Network
- Sonic Arts Research Network (SARN)
- Social Innovation Network (SInet)

Faculty Research Initiatives

In addition to university level initiatives, faculties have identified a number of faculty-based research initiatives with the potential to develop into research strengths. These include:

- Centre for Marketing Research (Commerce faculty)
-

Statement of alignment with research strengths and research staffing profile

This statement should correlate with the UOW List of Current and Emerging Research Strengths.

The list of current UOW Research Strengths (2007-09) are available at:

The complete list of UOW emerging research areas is still being finalised and will comprise the following:

- URC Strategic Research Initiatives (url)
- URC Research Networks (url)
- Strategic Priority Research Areas:
 - Illawarra Health and Medical Research Institute (url)
 - Social Innovation
 - Smart Infrastructure
- Faculty Research Initiatives

Each applicant will need to take responsibility for developing and drafting the initial versions of the document for their application with assistance and advice from their Faculty Research Chair, and for applicants external to UOW, their nominator.

The Statement of Alignment should describe how, with direct reference to the List of Research Strengths, the FF candidate and the proposed research project:

- Aligns with and/or complements the research strengths of UOW
- Will contribute to building existing or emerging research strengths of UOW
- Aligns with and/or complements the staffing profile within UOW and
 - If a current UOW employee with an ongoing position, how the fellowship will enhance the opportunities for career progression and development at UOW;
or
 - If not a current or ongoing UOW employee, the plans for integration of the fellow into UOW after the term of the Fellowship.