Our School has been highly successful in applying the results of research to develop ground-breaking new technologies in areas including minerals exploration, biotechnology, medical physics and advanced radar systems. We work closely with industry partners to commercialise these new technologies.

Research activities in the School of Physics are focused under four themes:
- Astronomy and Astrophysics
- Precision and Quantum Measurement
- Theoretical and Computational Physics
- Biomagnetics and Medical Physics

The School hosts the nodes of two Australian Research Council Centres of Excellence: Engineered Quantum Systems (EQuS) and Centre for All-Sky Astrophysics (CAASTRO).

Courses
The School offers a Bachelor of Science (Physics), a Master of Physics (by coursework and research) with specialisations in theoretical physics, experimental physics, astronomy and astrophysics, medical physics and computational physics; and PhD studies.

Through its involvement in the International Centre for Radio Astronomy Research (ICRAR), the School is playing a key role in the development of the Square Kilometre Array (SKA) – the world’s largest radio telescope that will be able to probe the very early evolution of the Universe. Facilities also include the Zadko optical telescope, which is an important element in an international network of robotic telescopes imaging gamma ray bursts.

Our proximity to the Yarragardi laser-ranging station – the best laser-ranging station in the world – means UWA is set to become the primary Southern Hemisphere hub for future space missions by the European Space Agency, such as the 2016 Atomic Clock Ensemble in Space (ACES).

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