



Australia's
Global
University

UNSW Science Optometry and Vision Science

School Overview

The School of Optometry and Vision Science is one of the largest and most prestigious optometry schools' in Australia/Asia, and the only one in New South Wales. Our aim is to produce graduates of the highest calibre with superior clinical skills and a thorough understanding of the vision science that underpins clinical practice.

Majors

Bachelor of Vision Science

Vision science is the study of the sensory processes that underlie vision, and the development and use of vision-related technologies.

Through theoretical studies and direct training, graduates gain a broad and deep understanding of the areas relevant to a career in vision science, such as optics, anatomy and functioning of the eye, eye disorders, clinical optometry, ocular therapy, sensation and perception and psychophysics. You will also learn about research design, methods and experimentation that can be applied in the field.

Career opportunities

Completion of the Bachelor of Vision Science can see you working in the ophthalmic industry or eye and vision research.

Bachelor of Vision Science / Master of Clinical Optometry

The Bachelor of Vision Science/ Master of Clinical Optometry double degree combines the teaching of the theoretical discipline of vision science with the clinical art of primary eye care. This degree provides you with the clinical skills and training required to practice optometry.

Upon completion of the Bachelor of Vision Science (with a WAM of at least 65.00*), students will commence the Master of Clinical Optometry. The master's degree will see you begin your development as a practising optometrist establishing your clinical skills in problem-solving and patient management, while introducing you to research.

Our specialised on-campus clinic provides you with practical examination experience in areas such as contact lenses, colour vision, low-vision rehabilitation, ocular photography, children's vision assessment and ocular disease management.

*Students who do not meet the weighted average mark (WAM) requirements can expect to graduate with a Bachelor of Vision Science.



Sample degree outline

Bachelor of Vision Science	
Year 1	Molecules, Cells and Genes Mathematics for Life Sciences or Mathematics 1A or Higher Mathematics 1A Geometrical and Physical Optics Chemistry A: Atoms, Molecules and Energy Biological Chemistry for Optometry Students Seeing the World: Perspectives from Vision Science Visual Optics Fundamentals of Physics or Physics 1A or Higher Physics 1A
Year 2	Introductory Anatomy The Clinical Environment Physiology 1A Ocular Anatomy and Physiology Optical Dispensing Physiology 1B Function of the Visual System General Education
Year 3	Disease Processes of the Eye 1 Science in the Consulting Room Aging of the Visual System General Education Applied Vision Science Disease Processes of the Eye 2 Working in Clinical Contexts Pharmacology for Optometry
Master of Clinical Optometry	
Year 4	Preclinical Practice Contact Lenses Clinical Optometry 4A Anterior Eye Therapeutics Binocular, Child and Low Vision Clinical Optometry 4B Posterior Eye Therapeutics Professional Optometry
Year 5	Clinical Paediatrics, Low Vision and Colour Vision Clinical Optometry 5A Clinical Ocular Therapy 5A Clinical Contact Lens Clinical Optometry 5B Clinical Ocular Therapy 5B Optometry Research Project (Required in Terms 1, 2 and 3)

For more information, go to:
unsw.to/sciencedegrees

Contact us at:

**School of Optometry and
Vision Science, UNSW Sydney**

Call: +61 2 9385 4639

Email: optometry@unsw.edu.au

Visit: optometry.unsw.edu.au

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