

Diploma in Optometry

If you are concerned with eye health, and would like to tackle the issue of eye-care in Singapore, look no further than our Diploma in Optometry [OPT]. You could be on your way to become an optometric practitioner to help diagnose eye disorders and prescribe optical treatments. OPT trains you for this important role. In addition, our broad-based curriculum enables you to explore opportunities in fields other than health services. You also get to learn firsthand from industry experts through off-campus classes and internships, right from the first year.

Practice-oriented Learning

In our diploma, you don't necessarily learn everything from a textbook. Learn from the pros themselves - you will be trained by practising optometrists to examine eyes, test sight and diagnose visual problems. You will learn to prescribe and dispense spectacles and contact lenses, as well as recommend eye treatments.

By working alongside qualified optometrists to diagnose and manage patients at our Optometry Centre, you will be constantly gaining valuable real-world knowledge. Plus, you also get to go on a 16-week internship with an optical retail practice, ophthalmology clinic or eye-care product company.

Broad-based Curriculum

Our curriculum covers topics such as biostatistics & research methods, communications in practice, patient management and optometric retail management. It will equip you with the skills you need to better manage patients, run a retail business or embark on a career based in research.

Off-campus Classes & Industry Workshops

You will get to attend off-campus classes conducted by our industry partners such as Essilor Singapore and Menicon. Multinational corporations in eye-care products will also offer you specialised product training and expose you to the latest in eye-care products and technology.

COURSE MODULES

LEVEL 2.1

Contact Lens & Fitting 1

This module covers the designs, materials, and the care and maintenance of soft contact lenses that are available in the market. Students will learn the techniques of verification, insertion, removal and fit assessment of soft contact lenses. This module will also cover the detection, prevention, and management of soft contact lens related complications.

Ocular Health Assessment & Disease Management 2

This module covers the clinical optometric techniques involving direct and indirect ophthalmoscopy, while emphasising the detection and management of the posterior eye diseases, as well as ocular tumours and systemic diseases of the eye. In addition, students will be equipped with the knowledge of ocular trauma and thence differentiate between ocular emergencies and non-emergencies for referrals.

Ophthalmic Dispensing & Prescribing

This module equips students with the knowledge of prescribing and dispensing ophthalmic eyewear. Students will learn the different types of progressive and bifocal lens designs, and advanced refraction procedures in order to prescribe appropriate ophthalmic eyewear. Students will also learn the applications and principles of various specialty ophthalmic lenses and frame designs. The techniques of glazing and fitting of ophthalmic lenses, proper ophthalmic dispensing procedures, and troubleshooting will be covered in this module.

Visual Perception & Instrumentation

This module studies the eye and the visual pathway as a system to perceive vision. Details like visual resolution, spatial, motion, depth and colour perception, contrast sensitivity, visual fields and entoptic phenomena will be included. It also covers the principles of psychophysical methods in studying the visual system. Students will learn to use various instruments to assess and interpret colour vision, visual fields and contrast sensitivity.

LEVEL 2.2

Biostatistics & Research Methods

This module lays down the foundation of statistics before moving on to probability and statistical inferences. Students will also learn the basic processes and principles applied in research, as well as conducting literature reviews.

Contact Lens & Fitting 2

This module covers the designs, materials and the care and maintenance of rigid gas permeable (RGP) contact lenses that are available in the market. Students will learn the techniques of verification, insertion, removal and fit assessment of RGP contact lenses and the detection, prevention and management of RGP contact lens-related complications. The effects of optical differences between contact lenses and spectacles will also be covered.

General Clinical Practice 1

Students will experience hands-on clinical practice in patient examination, case analysis, prescribing and dispensing optical aids.

Binocular & Paediatric Vision

This module details the fundamental concepts of vision development and binocular vision. It covers the assessment, diagnosis and management of paediatric eye conditions and binocular vision anomalies.

Communication in Optometric Practice

This module equips students with effective communication skills that include listening and responding, non-verbal communication, rapport building with patients, patient education, as well as interdisciplinary interactions and communications. Students can apply and practice their interpersonal, collaborative and professional communication skills during attachments and internship.

COURSE CURRICULUM

Level 2.1 (23 hours per week)

Ocular Health Assessment & Disease Management 2	5
Visual Perception & Instrumentation	5
Ophthalmic Dispensing & Prescribing	5
Contact Lens & Fitting 1	6
World Issues: A Singapore Perspective	2

Level 2.2 (21 hours per week)

Contact Lens & Fitting 2	4
Biostatistics & Research Methods	4
Binocular & Paediatric Vision	5
General Clinical Practice 1	6
Communication in Optometric Practice	2