

NITEC IN OPTICIANRY

CERTIFICATION

Credits required for certification:

Core Modules	: 54
Life Skills Modules	: 9
Elective Modules	: 8
<hr/> Total	<hr/> : 71

COURSE STRUCTURE

Module Title	Credits
CORE MODULES	
Basic Optics	8
Basic Ocular Anatomy and Instrumentation	7
Ophthalmic Laboratory Processing I	7
Ophthalmic Dispensing	7
Ophthalmic Laboratory Processing II	8
Subjective Refraction	9
Industry Attachment	8
ELECTIVES (COURSE SPECIFIC)	
Physiological Optics	4
Eye Care and Retail Management	4
ELECTIVES (GENERAL) AND LIFE SKILLS MODULES	
For details, click here	

Note: The offer of electives is subject to the training schedule of respective ITE Colleges. Students are advised to check with their Class Advisors on the availability of the elective modules they intend to pursue.

MODULE OBJECTIVES

Core Modules

Basic Optics

On completion of the module, students should be able to assess and evaluate patients' ophthalmic condition with various diagnostic tests and procedures.

Basic Ocular Anatomy and Instrumentation

On completion of the module, students should be able to describe the anatomical features of the eyes and perform basic ocular checks including visual acuity, and colour vision checks and measuring of spectacle power.

Ophthalmic Laboratory Processing I

On completion of the module, students should be able to carry out basic activities relating to pattern making and edging of optical lenses.

Ophthalmic Dispensing

On completion of the module, students should be able to measure major placement points required for eye glasses and perform spectacle adjustments and fittings of frames for clients.

Ophthalmic Laboratory Processing II

On completion of the module, students should be able to perform frame and frameless edging, colour tinting and mounting of lenses, and verify the specifications of the finished optical products.

Subjective Refraction

On completion of the module, students should be able to perform visual acuity test, spherical power check, astigmatism test, binocular balancing and near addition check, as well as evaluate the different refractive conditions of patients based on the results obtained.

Industry Attachment

This module provides opportunity for students to apply the concepts and skills acquired during institutional training as well to gain hands-on practical training in a real work environment in areas pertaining to fabrication and dispensing of optical lenses and frames, retail and customer service.

Electives (Course Specific)

Physiological Optics

On completion of the module, students should be able to perform contrast sensitivity experiments and apply the concept of visual and colour perceptions pertaining to relevant ocular checks.

Eye Care and Retail Management

On completion of the module, students should be able to apply the appropriate concepts and skills in the management of an optical outlet and communicate effectively with customers in providing quality customer service.

Electives (General) and Life Skills Modules

For details, click [here](#).