HIGHER NITEC IN OPTICIANRY (2 YEARS)

CERTIFICATION

Credits required for certification:

Specialisation Modules	:	39
Internship Programme Modules	:	8
Life Skills Modules	:	9
Cross Disciplinary Core Modules	:	6
Electives	:	6
Total	:	68

COURSE STRUCTURE

Module Title	Credits
SPECIALISATION MODULES	
Basic Opticianry Dispensing 1	3
Basic Opticianry Dispensing 2	3
Basic Ocular Anatomy & Common Eye Conditions	3
Basic Ophthalmic Optics	3
Ophthalmic Instrumentation & Techniques 1	3
Ophthalmic Instrumentation & Techniques 2	3
Ophthalmic Lens Processing 1	3
Ophthalmic Lens Processing 2	3
Fundamental Optics	3
Refraction 1	3
Refraction 2	3
Ophthalmic Dispensing (Presbyopia)	3
The Opticianry Eye Exam	3
INTERNSHIP PROGRAMME MODULES	
Internship Programme	8
CROSS DISCIPLINARY CORE MODULES	
Business Communication for Opticians	3
Customer Service & Retail Operations	3
Basic Math for Opticians	3
ELECTIVES (COURSE SPECIFIC)	
Growing Our Character	2
Personal Grooming & Wellness	2
Physiological Optics	2
Impact of Myopia	2
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

Specialisation Modules

Basic Opticianry Dispensing 1
On completion of the module, students should be able to perform spectacle dispensing related skills by measuring pupillary distance and performing automated focimetry.

Basic Opticianry Dispensing 2
On completion of the module, students should be able to perform frame adjustment and fitting. They should also be able to perform basic frame repair.

Basic Ocular Anatomy & Common Eye Conditions
On completion of the module, students should be able to identify the basic anatomy of the eye and associated common eye diseases. They should also be able to capture fundus images and perform non-contact tonometry.

Basic Ophthalmic Optics
On completion of the module, students should be able to interpret optical prescription, identify optical lens properties (material, coating) and perform frame measurements. They should also be able to provide advice on correction of vision with optical aids.

Ophthalmic Instrumentation & Techniques 1
On completion of the module, students should be able to perform manual focimetry and lens verification.

Ophthalmic Instrumentation & Techniques 2
On completion of the module, students should be able to perform visual acuity measurement, colour vision check and auto refraction.

Ophthalmic Lens Processing 1
On completion of the module, students should be able to edge and prepare full frame glasses and perform manual lens processing techniques such as hand edging, pattern making, lens tinting. They should also be able to verify the completed optical product.

Ophthalmic Lens Processing 2
On completion of the module, students should be able to edge and prepare both rimlon and rimless glasses. They should also be able to verify the completed optical product.

Fundamental Optics
On completion of the module, students should be able to perform optical calculations pertaining to photometry and various lens forms.

Refraction 1
On completion of the module, students should be able to perform history taking, spherical power check and binocular balancing.

Refraction 2
On completion of the module, students should be able to perform an astigmatism test and near addition check.

Ophthalmic Dispensing (Presbyopia)
On completion of the module, students should be able to perform frame selection, measure major placement points and various ophthalmic measurements for presbyopic optical correction.

The Opticianry Eye Exam
On completion of the module, students should be able to perform a full opticianry eye exam including history taking, refraction and patient management.

Electives (General) and Life Skills Modules

For details, click here.