

# EYE CARE TECHNOLOGY (OPTS)

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## **OPTS 1166 Practicum 1 Credit (0 Lec, 8 Lab)**

This course covers practical general training and experiences in the workplace. The College with the employer develops and documents an individualized plan for the student. The plan relates the workplace training and experiences to the student's general and technical course of study. The guided external experiences may be paid or unpaid. This course may be repeated if topics and learning outcomes vary.  
Course Type: Technical

## **OPTS 1167 Practicum - Opticianry/Ophthalmic Dispensing Optician 1 Credit (0 Lec, 8 Lab)**

This course is a practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Prerequisite with concurrency: OPTS 1311 OPTS 1401

Course Type: Technical

## **OPTS 1171 Introduction to Eye Care Professions 1 Credit (1 Lec, 1 Lab)**

This course will be an introduction to the eye care profession. Clinic and personnel functions including performance objectives will be discussed. All aspects of the field including practice styles, patient support services, certifications, and sub-specialties will be included.

Course Type: Technical

## **OPTS 1266 Practicum 2 Credits (0 Lec, 16 Lab)**

This course is a practical, general workplace training supported by an individualized learning plan developed by the employer, College, and student.

Prerequisite(s): OPTS 1311, OPTS 2341

Course Type: Technical

## **OPTS 1309 Ophthalmic Laboratory I 3 Credits (2 Lec, 3 Lab)**

This course emphasizes the finishing portion (bench) of the fabrication of spectacles. Topics include mark-up, blocking, edging, beveling, impact resistance, tinting, insertion, and inspection of single vision and multi-focal lenses.

Prerequisite with concurrency: OPTS 2167

Course Type: Technical

## **OPTS 1311 Visual System 3 Credits (3 Lec, 0 Lab)**

This is an overview of the visual system including the anatomy and physiology of the eye, related structures, and diseases.

Course Type: Technical

## **OPTS 1315 Basic Contact Lenses 3 Credits (2 Lec, 3 Lab)**

This is an introduction to contact lens theory and practice. Topics include the history, development, and manufacture of contact lenses; lens materials, designs, fitting, and care techniques; and skill necessary for the accurate measurement of lens parameters.

Course Type: Technical

## **OPTS 1319 Vision Care Office Procedures 3 Credits (3 Lec, 0 Lab)**

This course is an overview of procedures used in an optical, optometric, and or ophthalmological office. Instruction on government, third party, and other managed care insurance claim forms, maintenance of patient records, safety, regulations, correspondences and ethics. Techniques for obtaining ocular health care information will be presented.

Course Type: Technical

## **OPTS 1371 Anatomy and Physiology for Eye Care Technology 3 Credits (3 Lec, 0 Lab)**

This course is an introduction to the normal structure and function of the human body including the understanding and the relationship of the body structures in maintaining homeostasis as it is related to ophthalmic medical personnel.

Course Type: Technical

## **OPTS 1401 Ophthalmic Dispensing 4 Credits (3 Lec, 4 Lab)**

This course is an introduction to the basic principles of frame selection, styling, refractive errors, lens design, the use of tools and instruments used to measure and make adjustments necessary to properly dispense spectacles.

Course Type: Technical

## **OPTS 2167 Practicum Opticianry/Ophthalmic Dispensing Optician 1 Credit (0 Lec, 8 Lab)**

This course is a practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Prerequisite with concurrency: OPTS 2431 OPTS 1309

Course Type: Technical

## **OPTS 2266 Practicum 2 Credits (0 Lec, 16 Lab)**

This course covers practical, general workplace training supported by an individualized learning plan developed by the employer, College, and student.

Prerequisite(s): OPTS 1266, OPTS 1311, OPTS 2341

Course Type: Technical

## **OPTS 2267 Practicum 2 Credits (0 Lec, 16 Lab)**

This course is a practical, general workplace training supported by an individualized learning plan developed by the employer, College, and student.

Prerequisite(s): OPTS 1166, OPTS 1266, OPTS 1311, OPTS 1319, OPTS 2266, OPTS 2441, and OPTS 2445

Course Type: Technical

## **OPTS 2341 Ophthalmic Techniques 3 Credits (1 Lec, 4 Lab)**

This course is a presentation of information and practical training in the techniques necessary to properly assist the eye practitioner. Topics include visual acuity assessments and performance of various preliminary diagnostic tests.

Course Type: Technical

## **OPTS 2350 Ophthalmic Surgical Techniques 3 Credits (2 Lec, 3 Lab)**

A continuation of Ophthalmic Techniques, this course introduces the student to aseptic and non-aseptic sterilization techniques used in the surgical field and provides knowledge and practice in scrubbing techniques used when assisting during ophthalmic surgical procedures.

Course Type: Technical

**OPTS 2431 Advanced Ophthalmic Dispensing 4 Credits (2 Lec, 6 Lab)**

This is an advanced study of the procedures necessary to dispense eyewear. Topics include lens aberrations, magnification, tilt, reflection, absorption and transmission, advanced lens materials, high-powered prescription considerations, and partial vision.

Prerequisite(s): OPTS 1401

Course Type: Technical

**OPTS 2441 Ophthalmic Techniques 4 Credits (2 Lec, 6 Lab)**

This course covers presentation of information and practical training in the techniques necessary to properly assist the refractionist or eye physician. Topics include visual acuity assessments and performance of various diagnostic tests.

Course Type: Technical

**OPTS 2445 Advanced Ophthalmic Techniques 4 Credits (2 Lec, 6 Lab)**

This is a continuation of Ophthalmic Techniques with an introduction to principles and techniques of various diagnostic evaluations. Topics include refractometry and retinoscopy, ophthalmic photography, applanation tonometry, and advanced clinical assessments. An overview of standardized tools prevalent in the field will be covered.

Prerequisite(s): OPTS 2441

Course Type: Technical