

# Ophthalmic Medical Personnel

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The Ophthalmic Medical Personnel program prepares individuals to perform ophthalmic procedures under a licensed physician specializing in Ophthalmology. Course work includes lecture, laboratory, clinical training in ocular measurements, ocular testing, lensometry, administering topical and oral medications, eye care, and caring for instruments.

Graduates are employed in medical institutions, clinics, or physician practices.

Graduates may qualify as candidates to take the Joint Commission on Allied Health Personnel in Ophthalmology National Certification Exam. Diploma graduates may be eligible for certifications as Certified Ophthalmic Assistants, and Associate degree graduates may be eligible for certifications as Certified Ophthalmic Technicians.

For specific information about potential positions and wages in ophthalmic medical personnel employment, visit the Central Piedmont Career Coach website.

**OPH 113. Introduction to Diseases of the Eye. 2.0 Credits.** Class-2.0. Clinical-0.0. Lab-0.0. Work-0.0

This course introduces common external and internal diseases of the eye and orbital region. Topics include common patient complaints, ocular emergencies, triage procedures and common ocular conditions and disorders. Upon completion, the student should be able to identify most common ocular diseases and determine appropriate emergency management of acute ocular problems.

Prerequisites: Take all: OPH 150 and OPH 151

**OPH 114. Basic Ophthalmic Pharmacology. 2.0 Credits.** Class-2.0. Clinical-0.0. Lab-0.0. Work-0.0

This course introduces and compares drug delivery systems. Topics include the use of diagnostic agents and various classes of drugs commonly used in ophthalmic practices. Upon completion, the students should administer and record topical and oral medications at the physician's direction.

Prerequisites: Take OPH 150 and OPH 151

**OPH 115. Ophthalmic Clinical Procedures I. 2.0 Credits.** Class-1.0. Clinical-0.0. Lab-2.0. Work-0.0

This course introduces basic clinical procedures for the ophthalmic practice. Topics include telephone triage and basic procedures commonly used in the preliminary examination of patients. Topics include basic procedures commonly used in the preliminary examination of patients. Upon completion, the student should be able to perform basic administrative tasks and perform basic procedures commonly used in patient examinations.

Prerequisites: Take OPH 150 and OPH 151

**OPH 116. Ophthalmic Medical Assistant Practicum I. 6.0 Credits.**

Class-0.0. Clinical-18.0. Lab-0.0. Work-0.0

This course introduces ophthalmic patient care procedures. Topics include interpersonal skills with patients, work and legal ethics, confidentiality, clinical appearance and performance. Upon completion, the student will be able to demonstrate competence and efficiency in basic clinical skills.

Prerequisites: Take OPH 150 and OPH 151

**OPH 117. Ophthalmic Clinical Procedures II. 2.0 Credits.** Class-1.0. Clinical-0.0. Lab-2.0. Work-0.0

This course introduces more intermediate clinical procedures for the ophthalmic practice. Topics include coding and testing associated with the treatment of glaucoma, cataracts and refractive errors. Upon completion, the student should understand coding for ophthalmic procedures and perform more intermediate clinical procedures.

Prerequisites: Take OPH 115

**OPH 118. Ophthalmic Patient Care. 2.0 Credits.** Class-2.0. Clinical-0.0. Lab-0.0. Work-0.0

This course is an overview of the care of the ophthalmic patient. Topics include systemic diseases in the eye, review of first aid, emergency equipment and supplies, infection control, identification and sterilization of minor surgical equipment, and aseptic technique. Upon completion, the students should be able to apply these principles in their interactions with patients.

Prerequisites: Take all: OPH 150 and OPH 151

**OPH 119. Ophthalmic Optics & Basic Refractometry. 2.0 Credits.**

Class-2.0. Clinical-0.0. Lab-0.0. Work-0.0

This course introduces basic theoretical and clinical optics. Topics include interaction of light and lenses, refractive states of the eye, and principles of retinoscopy and refractometry. Upon completion, the student will demonstrate physical and geometric optics, and basic refractometry techniques.

Prerequisites: Take all: OPH 150 and OPH 151

**OPH 120. Ophthalmic Medical Assistant Practicum II. 6.0 Credits.**

Class-0.0. Clinical-18.0. Lab-0.0. Work-0.0

This course provides additional clinical experience in ophthalmic patient care procedures. Topics include interpersonal skills with patients, work and legal ethics, confidentiality, appearance and performance. Upon completion, the student will be able to perform basic and intermediate clinical skills, working towards competence and efficiency.

Prerequisites: Take OPH 116

**OPH 150. Intro to Ophthalmic Medical Assisting. 2.0 Credits.**

Class-2.0. Clinical-0.0. Lab-0.0. Work-0.0

This course introduces the role, scope, and duties of the ophthalmic assistant. Topics include medical ethics, duties of assistant, medical history, basic medical terminology, and an overview of human anatomy and physiology. Upon completion, students should be able to demonstrate knowledge of medical history taking and show an understanding of the role of ophthalmic medical personnel in patient care.

Corequisites: Take OPH 151

**OPH 151. Ocular Anatomy & Physiology. 2.0 Credits. Class-2.0.**

Clinical-0.0. Lab-0.0. Work-0.0

This course studies the normal anatomy and physiology of eye and orbit. Topics include structures of the eye, functioning process of the eye and correct medical terminology of the structures and functions of the eye.

Upon completion, the student should demonstrate a basic understanding and fundamental principles of anatomy and physiology of the eye.

Corequisites: Take OPH 150

**OPH 217. Ophthalmic Clinical Procedures III. 2.0 Credits. Class-1.0.**

Clinical-0.0. Lab-2.0. Work-0.0

This course focuses on advanced clinical procedures for the ophthalmic practice. Topics include an emphasis on more advanced skill development. Upon completion, students should be able to demonstrate increasing speed and accuracy in performing clinical skills.

Prerequisites: Take OPH 117

**OPH 218. Advanced Ophthalmic Patient Care. 2.0 Credits. Class-1.0.**

Clinical-0.0. Lab-2.0. Work-0.0

This course presents the principles of advanced diagnostic testing and techniques. Topics include advanced imaging and supplemental testing.

Upon completion, students should be able to apply these principles in their interaction with patients.

Prerequisites: Take OPH 118

**OPH 219. Ophthalmic Optics and Refractometry II. 2.0 Credits.**

Class-1.0. Clinical-0.0. Lab-2.0. Work-0.0

This course reviews intermediate theoretical and clinical optics and covers theories of visual perception. Topics include low vision, contact lenses, and advanced principles of retinoscopy and refractometry. Upon completion, the student will demonstrate more advanced proficiency in optical calculations.

Prerequisites: Take OPH 119

**OPH 220. Ophthalmic Medical Assistant Practicum III. 8.0 Credits.**

Class-0.0. Clinical-24.0. Lab-0.0. Work-0.0

This course provides additional clinical experience in ophthalmic patient care procedures. Topics include developing proficiency while performing ophthalmic diagnostic and imaging procedures. Upon completion, the student will be able to perform actual patient examination under supervision while demonstrating increased clinical competence and efficiency.

Prerequisites: Take OPH 120