

# Combined Optometry Residency and Graduate Degree in Vision Science

## SUNY State College of Optometry

### Advanced Competency Statement

There are two components to the Combined Optometry Residency and Graduate Degree in Vision Science. The resident has a translational research project as part of their graduate degree in vision science. It is expected that their clinical residency program will complement their translational research with advanced competencies in their area of concentration. Apart from their core resident clinical responsibilities, their clinic rotations should reflect their research interests.

The following areas of emphasis, that complements the resident's research project can be in the following: Primary Care Optometry, Pediatric Optometry, Cornea and Contact Lenses, Vision Rehabilitation, Low Vision Rehabilitation, Brain Injury Rehabilitation, Vision Therapy and Vision Rehabilitation, Ocular Disease, Glaucoma, Anterior Segment, Retina or Neuro-optometry.

**Competency 1:** Become a proficient diagnostician in advanced clinical care in one of the following areas of emphasis: primary care optometry, pediatric optometry, cornea and contact lenses, vision rehabilitation, low vision rehabilitation, brain injury rehabilitation, vision therapy and vision rehabilitation, ocular disease, glaucoma, anterior segment, retina or neuro-optometry that complements the research/ graduate component of the program.

a. Objective: Appropriately diagnose conditions seen in the emphasis area utilizing established criteria and evidence-based medicine.
b. Objective: Demonstrate proficiency in evaluation techniques or type of procedures specific to the emphasis area.
c. Objective: Obtain proper testing and interpretation of the results for their area of emphasis.

**Competency 2:** The resident will proficiently provide proper treatment protocols and management to patients with specified conditions in their area of emphasis.

a. Objective: Appropriately treat and manage conditions seen in the emphasis area utilizing evidence-based medicine and accepted clinical practices.

b. Objective: Provide appropriate patient education concerning their treatment and management and ensure patients understanding and take into consideration cultural aspects pertinent to the patient's care.

**Competency 3:** Recognize that interprofessional relationships are an integral and essential part of patient management and wellbeing.

a. Objective: Demonstrate appropriate referrals to optimize patient care.

b. Objective: Demonstrate appropriate interprofessional communication to optimize patient care.

**Competency 4:** Develop teaching skills that will impact the ability for future employment in teaching institutions.

a. Objective: Demonstrate a professional attitude and work ethic, that the interns will emulate, and view as a role model in their professional career.
b. Objective: Develop effective teaching skills in the pre-clinical labs, that includes clearly explaining and demonstrating to the interns the relevant procedures.
c. Objective: Develop teaching and assessment skills of interns in the UEC clinics.
d. Objective: Demonstrate clear and consistent role model characteristics to interns, through superior patient management and exemplary skills.

**Competency 5:** The resident will enhance their academic development through scholarly and didactic activities.

a. Objective: Communicate effectively through a written paper that is acceptable for publication.
b. Objective: Communicate effectively by public speaking, through lectures, case presentations, grand rounds, and residency minor and major presentations.
c. Objective: Prepare, to a high standard, papers and posters relevant to their research area and submit for acceptance at meetings appropriate to their research topic.
d. Objective: Develop self-directed learning through a wide reading list and assess the quality of evidence of pertinent translational literature through journal article reviews.
e. Objective: Write a research thesis or (predissertation papers) adhering to institutional guidelines describing the research topics procedures and outcomes.

**Competency 6:** To understand and integrate the concepts of translational research as it relates to the resident's clinical emphasis area. The resident should address to the clinics involved in the area of emphasis the results of their research and its developing ideas in this field.

a. Objective: Develop a research project that is applicable to clinical care.

b. Objective: Learn the methodology in designing a translational research project and apply it to their project.

c. Objective: Adapt the translational research results of their project, along with other available evidence and improve clinical outcomes for patients.

d. Objective: Discuss and disseminate the results and application of their translational research.