WORK PROCESSES
OPTICIAN (DISPENSING)
229.361-010

APPROX HOURS

1. Manual Lensometry and Final Inspection — 1250
   Neutralization of sphere, cylinder, axis, prism, add power thickness, lens clock, single vision, bifocal, trifocal, occupational lenses, progressive addition lenses, proper use of PAL layout charts, internal and external lensometer parts, functions and appropriate use.

   Verification of Rx, inspection of frame and lenses, apply state and federal regulations and standards, impact resistance, prescription aligner and axis aligning pliers, vertical and horizontal imbalance, prescribed prism, and slab off.

2. Eyewear Assembly: — 250
   Lens insertion and removal for full plastic mounting, full metal mounting, groove mounting, semi-rimless and rimless mountings, and bench alignment.

3. Frame repair: — 100
   Replacement of nose pads, temple covers, temples, eyewire screws, and spring hinge screws. Hinge repairs, nylon cord restringing. Knowledge of appropriate tools to use.

4. Measurements & Measuring Instruments: — 600
   Distance, intermediate and near interpupillary distances with various instruments, to include at a minimum, millimeter ruler and pupilometer. segment, fitting and optical center heights with millimeter ruler or other measuring devices, pantoscopic tilt, vertex distance and wrap. Frame measurements include A, B, ED, DBL, and temple length.

5. Eyewear fitting, Eyewear Adjusting & Hand Tools — 600
   Visually inspects all necessary areas: bridge fit, temple fit, frame alignment, lash and cheek clearance, vertex distance, pantoscopic tilt, etc. Adjustments to include nose pad angles, temple spread, equaling vertex distance, horizontal alignment, face form, pantoscopic tilt, temple bends and mastoid adjustment. Equipment to include: frame warmer, temple angling pliers, nose pad pliers, snipe nose pliers, single and double padded bracing pliers, three piece mounting pliers, flat round pliers, cutting pliers, and screw drivers.
6. RX Analysis — 600
   a. Compare new Rx to previous Rx, when applicable, to determine the amount of change as an indication of

possible patient adaptive difficulties.

b. Lens Designs and Options: Single vision, bifocal, trifocal, occupational lenses, progressive addition lenses, aspheric, atoric, polarization, A/R treatments, tint, UV, scratch resistance, photochromic, HEV treatments, sport and industrial safety lens options.

c. Lens Material: Ability to recognize appropriate lens Materials based on Rx and product availability. CR-39, polycarbonate, trivex, high index resins, crown glass, high index glass. Material characteristics to include impact resistance, thickness, weight, aberration, and tensile strength.

7. RX Troubleshooting — 350
   a. Frame: Material (weight/allergies), appropriate frame/lens combination.
   b. Lenses: Material, design, and base curve comparisons, assessment of fitting placements.
   c. Rx: Assessment of visual complaint; when to refer.

8. Determining Lifestyle Needs — 250
   Ability to interview consumer and identify variables that may impact the eyewear selection process or recommendations provided. Recognize the need for various absorptive lens treatments, multiple pairs, occupational lens and frame designs, impact resistance, suitable frame styles, and lens materials to meet the consumer's needs (including industrial and recreation needs).

TOTAL HOURS — **4000**

A training video on surfacing has been provided by the Board which shall be administered by the sponsor during the apprenticeship.

SAFETY IS THE FIRST PRIORITY IN ALL APPRENTICESHIP PROGRAMS AND, AS THE SPONSOR'S PRIMARY RESPONSIBILITY, MUST BE TAUGHT AND PRACTICED CONTINUOUSLY IN ALL ON-THE-JOB WORK PROCESSES.

VIRGINIA BOARD FOR OPTICIANS
ADDENDUM TO THE MINIMUM STANDARDS OF APPRENTICESHIP

7. CREDIT FOR PREVIOUS EXPERIENCE
   a. An applicant for apprenticeship may be allowed credit on the term of the apprenticeship for prior experience earned with a registered sponsor.
   c. An apprentice transferring from an approved school of opticianry to the apprenticeship program may be allowed on the job learning credit for training received on the basis of fifteen (15) hours of apprenticeship for each credit hour of school training.
   d. An apprentice who was enrolled in the Career and Technical Education Program while in high school may be allowed credit for that portion of time spent on the job.

11. RELATED INSTRUCTION
   d. A board approved related instruction program with a minimum of 144 contact hours per year is required for the occupation of opticianry.

14. HOURS OF WORK
   a. Time spent in related instruction shall not be considered as hours of work.

20. ADDITIONAL SPONSOR APPRENTICE QUALIFICATIONS

   a. Education: Holder of a high school diploma or a certificate of general education from a state approved educational program, or its equivalent.

   b. OTHER:

      (1) Nothing in these Standards shall be interpreted in a manner inconsistent with existing Virginia Opticianry Statutes.

      (2) Number of Apprentices
      The ratio of apprentices to licensed optician shall be:

      First (1st) apprentice to the first licensed optician
      One apprentice to each two licensed opticians thereafter

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THE MINIMUM STANDARDS FOR APPRENTICESHIP ARE ACCEPTED AND AMEMDMENTS ARE ADPOTED BY THE VIRGINIA BOARD FOR HEARING AID SPECIALISTS AND OPTICIANS:

CHAIRMAN Bruce R Wagner

Bruce R. Wagner

Date: 3-22-2019

REGISTERED WITH THE VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY

COMMISIONER C. Ray Davenport

Date: 4/15/2019