

# CURRICULUM STANDARD

Effective Term  
Fall 2001  
[2001\*03]

Curriculum Program Title	<b>Optical Apprenticeship (Certificate)</b>	Program Code	<b>C45520</b>
Concentration	<b>(not applicable)</b>	CIP Code	<b>51.1802</b>

## Curriculum Description

This curriculum is designed to meet the educational requirements of the North Carolina Board of Opticians for opticianry apprentices.

Course work includes the competencies necessary to analyze and interpret prescriptions and to accurately fit and dispense eyewear and contact lenses.

Graduates should qualify for the academic requirements of the apprenticeship program. Upon completion of all requirements of the apprenticeship program, graduates should be eligible to sit for the North Carolina State Board of Opticians licensing examination.

## Curriculum Requirements\*

*[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]*

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
<b>Total Semester Hours Credit (SHC)**</b>	<b>64-76</b>	<b>36-48</b>	<b>12-18</b>

\*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

## **Major Hours**

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** *(if applicable)*. A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

### **Optical Apprentice (Certificate) C45520**

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b>	<b>N\A</b>	<b>N\A</b>	<b>17 SHC</b>
<b>Required Courses:</b> OPH 101 Math for Opticians 3 SHC OPH 102 Optical Laboratory Concepts 2 SHC OPH 121 Anatomy & Physiology-Eye 3 SHC OPH 131 Optical Dispensing I 3 SHC OPH 141 Optical Theory I 3 SHC OPH 260 Basic Contact Lenses Concepts 3 SHC			
<b>Required Subject Areas:</b> None			
<b>B. CONCENTRATION</b> <i>(Not applicable)</i>			
<b>C. OTHER MAJOR HOURS</b> <i>To be selected from the following prefixes:</i>  CIS, CSC, HSC, OPH, PHY, and WBL  <i>Up to two semester hour credits may be selected from ACA.</i>			