

# Chemical Services

Chemical Services is a one-credit course that focuses on the theory of chemical services related to chemical hair texturing. Specific topics include basics of chemistry and electricity, properties of the hair and scalp, and chemical texture services. Students also gain initial practical experience in performing various chemical texturing activities. Emphasis is placed on safety, chemical use and handling, hair and scalp analysis, and client consultation. Upon successful completion of this course, students are able to practice safety and sanitary precautions as they perform these chemical services.

Career and technical student organizations are integral, cocurricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

## Basics of Chemistry and Electricity

Students will:

1. Describe chemical and electrical safety considerations related to performing chemical services.
2. Identify safety requirements for handling corrosives and oxidizers.
3. Differentiate between organic and inorganic chemistry.
4. Identify types and benefits of light therapy.

## Hair and Scalp

5. Describe the structure and composition of hair.
6. Determine the impact of acids, alkalis, and pH on the hair and scalp.
  - Defining acids and alkalies, including charting chemicals on the pH scale
7. Explain the relevance of porosity, density, texture, elasticity, and disorders of the hair for chemical services.
8. Differentiate between a soft curl and a chemical relaxer.
9. Describe structural changes that take place in hair as a result of permanent waving.
10. Identify factors critical to hair and scalp analysis.
11. Compare chemical texture services and structural changes that occur in the hair.

## **Chemical Application**

12. Demonstrate client consultation, including hair analysis, to determine the appropriate chemical texture service.
13. Demonstrate procedures for permanent waving.
14. Apply techniques used for soft curls and chemical hair relaxing.