

# Cosmetology





**Office of the State Superintendent of Education  
Postsecondary and Career Education Division  
Career and Technical Education Department**

**Christina Grant, Ed.D.  
State Superintendent of Education**

**Antoinette Mitchell, Ph.D.  
Assistant Superintendent, Postsecondary and Career Education**

**Kilin Boardman-Schroyer  
Deputy Assistant Superintendent, Postsecondary and Career Education**

**Richard W. Kincaid  
State Director, Career and Technical Education**

The purpose of this document is to communicate the required Career and Technical Education (CTE) academic standards for the Cosmetology Program of Study. The academic standards in this document are theoretical and performance-based. The standards contain content from Colorado, Maryland, Tennessee, and Texas and were validated by D.C. business and industry partners. All content is used with permission.

In addition to academic standards, OSSE has incorporated into this document Labor Market Information (LMI) definitions and explanations for the Program of Study; program aligned Industry Recognized Credentials; and Work-Based Learning resources and requirements by course level.

This document is intended for use by educational administrators and practitioners. A similar document is available for each state-approved CTE Program of Study.



## **Table of Contents**

|  |           |
|--|-----------|
| <b>Cosmetology Program of Study</b>                  | <b>4</b>  |
| <b>Industry Certifications</b>                       | <b>6</b>  |
| <b>Work-Based Learning Examples and Resources</b>    | <b>6</b>  |
| <b>Labor Market Information Definitions and Data</b> | <b>6</b>  |
| <b>Model Six-Year Plan: Cosmetology</b>              | <b>8</b>  |
| <b>Course Standards</b>                              | <b>9</b>  |
| <b>Introduction to Cosmetology</b>                   | <b>9</b>  |
| <b>Cosmetology I</b>                                 | <b>12</b> |
| <b>Cosmetology II</b>                                | <b>16</b> |
| <b>Practicum in Cosmetology</b>                      | <b>19</b> |



| Cosmetology Program of Study |   |   |
|------------------------------|---|---|
| Course Level                 | Course Information  | Description   |
| Level I                      | <b>Introduction to Cosmetology</b><br><b>OSSEID:</b> 19101G1.0014<br><b>Grades:</b> 9-12<br><b>Prerequisite:</b> None<br><b>Credit:</b> 1           | <p>In the Introduction to Cosmetology course, students coordinate the integration of academic, career, and technical knowledge/skills, in this laboratory instructional sequence course, to provide job-specific training for employment in cosmetology careers. An analysis of career opportunities, license requirements, knowledge and skills expectations, and development of work-readiness skills are included in this course as well as the history of cosmetology. Students may begin to earn hours toward state licensing requirements. <b>Classroom training must occur in a Board approved school or continuing education course and shall consist of the following 375 classroom theory and practical hours:</b></p> <ul style="list-style-type: none"> <li>• Courtesy, Conduct, and DC Law (50 hours)</li> <li>• Sanitation (50 hours)</li> <li>• Anatomy, Physiology, Bacteriology, Pathology, Chemistry, and Electricity (50 hours)</li> <li>• Personal Hygiene (50 hours)</li> <li>• Scalp Treatments (25 hours)</li> <li>• Shampooing (40 hours)</li> <li>• Braiding (35 hours)</li> <li>• Croqu Shore Wave/Styling (25)</li> <li>• Hairpieces (25)</li> <li>• Wet Curls (25)</li> </ul> |
| Level II                     | <b>Cosmetology I</b><br><b>OSSEID:</b> 19101G1.0024<br><b>Grades:</b> 10-12<br><b>Prerequisite:</b> Introduction to Cosmetology<br><b>Credit:</b> 1 | <p>In Cosmetology I, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements. <b>Classroom training must occur in a Board approved school or continuing education course and shall consist of the following 375 classroom theory and practical hours:</b></p> <ul style="list-style-type: none"> <li>• Pressing (50 hours)</li> <li>• Croqu Shore Wave/Styling (25 hours)</li> <li>• Manicuring and Pedicuring (50 hours)</li> <li>• Permanent Wave (50 hours)</li> <li>• Dye and Bleach (50 hours)</li> <li>• Wet Curls (25 hours)</li> <li>• Haircutting (25 hours)</li> <li>• Chemical Straightening (75)</li> <li>• Anatomy, Physiology, Bacteriology, Pathology, Chemistry, and Electricity (25 hours)</li> </ul>  |



|                  |  |   |
|------------------|--|---|
| <b>Level III</b> | <b>Cosmetology II</b><br><b>OSSEID:</b> 19101G1.0034<br><b>Grades:</b> 11-12<br><b>Prerequisite:</b> Cosmetology I<br><b>Credit:</b> 1         | <p>In Cosmetology II, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. All classroom theory training must be completed before beginning the work experience part of the apprenticeship. <b>The classroom training must occur in a Board approved school or continuing education course and shall consist of the following 375 classroom theory and practical hours:</b></p> <ul style="list-style-type: none"> <li>• Pressing (25 hours)</li> <li>• Croqu Shore Wave/Styling (25 hours)</li> <li>• Permanent Wave (50 hours)</li> <li>• Wet Curls (25 hours)</li> <li>• Facial and Massage (50)</li> <li>• Dye and Bleach (25 hours)</li> <li>• Haircutting (50 hours)</li> <li>• Chemical Straightening (75)</li> <li>• Anatomy, Physiology, Bacteriology, Pathology, Chemistry, and Electricity (50 hours)</li> </ul> |
| <b>Level IV</b>  | <b>Practicum in Cosmetology</b><br><b>OSSEID:</b> 19952G1.0044<br><b>Grades:</b> 12<br><b>Prerequisite:</b> Cosmetology II<br><b>Credit:</b> 1 | <p>Students will participate in a Career Preparation Work-Based Learning experience in this course, which includes paid or unpaid internship, pre-apprenticeship, or apprenticeship experiences relevant to the program of study. <b>The classroom training must occur in a Board approved school or continuing education course and shall consist of the following 375 classroom theory and practical hours:</b></p> <ul style="list-style-type: none"> <li>• Pressing (25 hours)</li> <li>• Croqu Shore Wave/Styling (25 hours)</li> <li>• Permanent Wave (50 hours)</li> <li>• Wet Curls (25 hours)</li> <li>• Dye and Bleach (25 hours)</li> <li>• Haircutting (25 hours)</li> <li>• Chemical Straightening (75 hours)</li> <li>• Electrology (75 hours)</li> <li>• Ethics and Salesmanship (25 hours)</li> <li>• Anatomy, Physiology, Bacteriology, Pathology, Chemistry, and Electricity (25 hours)</li> </ul>  |



## Industry Certifications

District of Columbia Cosmetology Operator

## Work-Based Learning Examples and Resources

| Level I Course  | Level II Course  | Level III Course  | Level IV Course   |
|---|--|---|---|
| <b>Career Exploration</b><br>Industry Visits<br>Guest Speakers<br>Participate in a CTSO | <b>Career Awareness</b><br><i>All of Level I, plus:</i><br>Postsecondary Visits Program-Specific Site Tours<br>Mock Interviews | <b>Career Preparation</b><br><i>All of Level I and II, plus:</i><br>Job Shadow<br>Paid/Unpaid Internships | <b>Career Preparation</b><br>Paid/Unpaid Internships<br>Apprenticeships |

Several resources are available to help instructors meet the Level I and Level II WBL requirements, including:

**Career Coach DC** (<http://careercoachdc.emsicc.com>). Online site designed to help students find and connect to a career pathway by providing the most current local data on wages, employment, job postings, and associated education and training. The resource includes a Career Assessment for students.

**Nepri** (<https://dc.nepri.com/>). Connects educators and learners with a network of industry professionals virtually, bringing real-world relevance and career exposure to all students. Nepri also provides a skills-based volunteering platform for business and industry professionals to extend their educational outreach.

**Virtual Job Shadow** (<https://virtualjobshadow.com>). Provides interactive tools which empower students to discover, plan, and pursue their dreams. Rich video library presents a “day in the life of” view for thousands of occupations.

## Labor Market Information Definitions and Data

Career and Technical Education programs of study in the District of Columbia must meet at least one of the High Wage, High Skill, and In-Demand definitions below to be considered appropriate for our students and the regional labor market. These definitions were created in collaboration with Career and Technical Education leaders from District of Columbia LEAs, the University of the District of Columbia Community College, and national guidance from Research Triangle International (RTI) and Education Northwest. Additionally, previous work was consulted by researchers at MIT’s Labor Wage Index Project and the DC CTE Task Force’s 2012 Strategic Plan for the District of Columbia.

| Indicator        | Definition   | Data for the Cosmetology Program of Study<br>(source: EMSI, August 2022)   |
|------------------|--|--|
| <b>High Wage</b> | Those occupations that have a 25 <sup>th</sup> percentile wage equal to or greater than the most recent MIT Living Wage Index for one adult in the District of Columbia, and/or leads to a position that pays at least the median hourly or annual wage for the Washington, DC, metropolitan statistical area. | <b>Standard Occupational Code (SOC):</b><br>39-5012.00 Hairdressers, Hairstylists, and Cosmetologists<br><br><b>Hourly Wages</b><br><b>25<sup>th</sup> Percentile:</b> \$14.11<br><b>50<sup>th</sup> Percentile:</b> \$18.30<br><b>75<sup>th</sup> Percentile:</b> \$25.21 |



|                   |  |   |
|-------------------|--|---|
|                   | <i>Note: A 25<sup>th</sup> percentile hourly wage of \$23.13 or greater is required to meet this definition.</i>   |   |
| <b>High Skill</b> | Those occupations located within the Washington, DC, metropolitan statistical area with the following education or training requirements: completion of an apprenticeship program; completion of an industry-recognized certification or credential; associate's degree, or higher.  | <b>Typical Entry-Level Education:</b><br>Postsecondary Non-Degree Award |
| <b>In-Demand</b>  | <p>Those occupations in the Washington, DC, metropolitan statistical area having more than the median number of total (<b>growth plus replacement</b>) annual openings over a five-year period.</p> <p><i>Note: An occupation is required to have an annual growth plus replacement rate of 105 openings, or greater, between 2021-2026 to meet this definition.</i></p> | <b>Annual Openings:</b> 1,330   |



## Model Six-Year Plan: Cosmetology

**College:** University of the District of Columbia Community College

**Program/CIP:**

**Plan:**

**Entity:** Office of the State Superintendent of Education

**Career Cluster:** Human Services

**Program of Study:** Cosmetology

| High School   |  |  |                        |  | College   |             |              |             |
|---|--|--|------------------------|--|---|-------------|--------------|-------------|
| Subject   | 9 <sup>th</sup> Grade                      | 10 <sup>th</sup> Grade                       | 11 <sup>th</sup> Grade | 12 <sup>th</sup> Grade                     | Semester I  | Semester II | Semester III | Semester IV |
| English (4)   | English I                                  | English II                                   | English III            | English IV                                 |   |             |              |             |
| Math (4)  | Algebra I                                  | Geometry                                     | Algebra II             | Math                                       |   |             |              |             |
| Science (4)   | Biology                                    | Lab Science                                  | Lab Science            | Science                                    |   |             |              |             |
| Social Studies (4)  | World History and Geography I: Middle Ages | World History and Geography II: Modern World | U.S. History           | U.S. Government (.5) and D.C. History (.5) |   |             |              |             |
| Health (.5) and Physical Ed (1)                             | Health (.5)<br>Physical Ed (.5)            | Physical Ed (.5)                             |                        |  |   |             |              |             |
| World Languages (2)   |  |  | World Language I       | World Language II                          |   |             |              |             |
| Art (.5)  |  | Art (.5)                                     |                        |  |   |             |              |             |
| Music (.5)  |  | Music (.5)                                   |                        |  |   |             |              |             |
| Elective / Major Courses                                    | Introduction to Cosmetology                | Cosmetology I                                | Cosmetology II         | Practicum in Cosmetology                   |   |             |              |             |
| Total possible college credits completed in high school: XX |  |  |                        |  | Credit hours required to complete the AAS program: XX |             |              |             |





## Course Standards

### Introduction to Cosmetology

1. **General requirements.** This course is recommended for students in Grades 9 through 12. Recommended prerequisite: None. Students shall be awarded one credit for successful completion of this course.
2. **Introduction.**
  - A. Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions.
  - B. The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.
  - C. In the Introduction to Cosmetology course, students coordinate the integration of academic, career, and technical knowledge/skills, in this laboratory instructional sequence course, to provide job-specific training for employment in cosmetology careers. An analysis of career opportunities, license requirements, knowledge and skills expectations, and development of work-readiness skills are included in this course as well as the history of cosmetology. Students may begin to earn hours toward state licensing requirements. Classroom training must occur in a Board approved school or continuing education course and shall consist of the following 375 classroom theory and practical hours:
    1. Courtesy, Conduct, and DC Law (50 hours)
    2. Sanitation (50 hours)
    3. Anatomy, Physiology, Bacteriology, Pathology, Chemistry, and Electricity (50 hours)
    4. Personal Hygiene (50 hours)
    5. Scalp Treatments (25 hours)
    6. Shampooing (40 hours)
    7. Braiding (35 hours)
    8. Croquinole Wave/Styling (25)
    9. Hairpieces (25)
    10. Wet Curls (25)
  - D. Students will participate in at least two Career Exploration Work-Based Learning experiences in this course, which might include guest speakers and work-place tours relevant to the program of study. **Students may also obtain a braider (100 hours) or manicurist (300 hours) license through District of Columbia Board of Barber and Cosmetology (DCBBC) examination, during this course.**
  - E. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.



3. **Knowledge and skills.**

A. **The student demonstrates professional standards/employability skills as required by business and industry.**

**The student is expected to:**

1. demonstrate professionalism in how to dress appropriately, speak politely, and conduct oneself in a manner appropriate for the profession and work site;
2. employ the ability to be trustworthy by complying with an ethical course of action;
3. comply with all applicable rules, laws, and regulations;
4. use conflict-management skills to avoid potential or perceived conflict;
5. investigate employment opportunities, including entrepreneurship;
6. evaluate data or outcome of a broad range of personal care services;
7. demonstrate effective oral and written communication skills with diverse individuals, including coworkers, management, and customers.

B. **The student demonstrates knowledge of the rules and regulations established by the District of Columbia Board of Barber and Cosmetology (DCBBC). The student is expected to:**

1. apply health and safety policies and procedures;
2. recognize risks and potentially hazardous situations in compliance with the DCBBC;
3. navigate the DCBBC website for exam eligibility, exam results, and student hours; and
4. identify licensure and renewal requirements of the licensee or licensed cosmetology establishment or school.

C. **The student demonstrates proficiency in the use of tools, equipment, technologies, and materials used in cosmetology. The student is expected to:**

1. create a digital portfolio of design elements that are relevant to the cosmetology field; use ergonomically designed equipment to promote professional efficiency;
2. use available technology sources effective in a professional salon setting; and
3. apply universal precautions in disposal of hazardous materials.

D. **The student applies the academic knowledge and practical skills to simulated and actual work situations. The student is expected to:**

1. apply client consultation skills to guide individuals in recognizing concerns and making informed decisions;
2. document client satisfaction with procedures and products to facilitate ease of consultation in future appointments;
3. locate and compare vendors to maximize benefits for personal care clients, businesses, or organizations;
4. investigate the principles and practices of infection control such as bacterial disorders, classification of pathogens, and diseases and/or viruses;
5. accurately read, interpret, and demonstrate adherence to safety rules, including but not limited to rules pertaining to Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) guidelines, and state and national code requirements
6. apply concepts related to the properties of the hair and scalp physiology to demonstrate understanding of the following:
  - a. Explain the structures of the hair root and hair shaft.
  - b. Analyze the composition of the hair including bonds and pigment;
  - c. Identify and evaluate the following: growth cycles of the hair, hair loss causes and treatments, hair disorders, and scalp disorders.



- d. Perform a hair and scalp analysis including the following factors: texture, density, porosity, elasticity, hair growth patterns, and dry or oily hair and scalp;
  7. assess and employ the use of sanitary and safety precautions necessary for procedures including proper decontamination and infection control procedures during a hair, nail, and/or skin service;
  8. demonstrate techniques in proper scalp care, shampooing, conditioning, and draping;
    - a. massage and specialized treatments;
    - b. hair brushing;
    - c. shampoo and conditioning;
    - d. professional draping.
  9. understand braiding techniques and how to perform them safely;
  10. perform the following braiding techniques while adhering to all directions and safety procedure
    - a. Sectioning
    - b. Braiding (without extensions)
    - c. Braiding (with extensions)
  11. identify, describe, and effectively demonstrate the use of hair extensions for hairstyling.
  12. Demonstrate concepts related to the properties of hair design.
  13. identify, describe, and effectively demonstrate basic hairstyling techniques and manipulating implements appropriately, including the following but not limited to:
    - a. sectioning;
    - b. wet hairstyling;
    - c. finger waving;
    - d. roller curls;
    - e. comb-out techniques;
- E. **The student analyzes career paths within the cosmetology industry. The student is expected to:**
1. explore marketing techniques when selecting and using multimedia to attract and retain clientele;
  2. formulate a salon service menu based upon current industry trends;
  3. consolidate various methods of obtaining feedback from clients to understand their expectations and promote high-quality standards;
  4. create an employment portfolio containing content such as certifications, samples of work, achievements, and supervisor or instructor evaluations; and
  5. analyze the role of professional organizations in cosmetology professions.
- F. **The student develops technology skills. The student is expected to:**
1. use technology as a tool to research, organize, evaluate, and communicate information.
  2. use digital technologies (computers, PDAs, media players, GPSs, etc.), communication/networking tools, and social networks appropriately to access, manage, integrate, evaluate, and create information to successfully function in a knowledge economy.
  3. demonstrate utilizing current and new technologies specific to the program of study, course, and/or industry; and
  4. apply a fundamental understanding of the ethical/legal issues surrounding the access and use of information technologies.



## Cosmetology I

1. **General requirements.** This course is recommended for students in Grades 10 through 12. Recommended prerequisite: Introduction to Cosmetology. Students shall be awarded one credit for successful completion of this course.
2. **Introduction.**
  - A. Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions.
  - B. The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.
  - C. In Cosmetology I, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements. Classroom training must occur in a Board approved school or continuing education course and shall consist of the following 375 classroom theory and practical hours:
    1. Pressing (50 hours)
    2. Croqu Shore Wave/Styling (25 hours)
    3. Manicuring and Pedicuring (50 hours)
    4. Permanent Wave (50 hours)
    5. Dye and Bleach (50 hours)
    6. Wet Curls (25 hours)
    7. Haircutting (25 hours)
    8. Chemical Straightening (75)
    9. Anatomy, Physiology, Bacteriology, Pathology, Chemistry, and Electricity (25 hours)
  - D. Students will participate in at least two Career Exploration Work-Based Learning experiences in this course, which might include guest speakers and work-place tours relevant to the program of study. **Students may also obtain a braider (100 hours) or manicurist (300 hours) license through District of Columbia Board of Barber and Cosmetology (DCBBC) examination, during this course.**
  - E. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.
3. **Knowledge and skills.**
  - A. **The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:**
    1. demonstrate professionalism in how to dress appropriately, speak politely, and conduct oneself in a manner appropriate for the profession and work site;
    2. employ the ability to be trustworthy by complying with an ethical course of action;
    3. comply with all applicable rules, laws, and regulations;
    4. use conflict-management skills to avoid potential or perceived conflict;



5. identify employment opportunities, including entrepreneurship;
  6. evaluate data or outcome of a broad range of personal care services; and
  7. demonstrate effective oral and written communication skills with diverse individuals, including coworkers, management, and customers.
  8. develop skill in handling multiple tasks simultaneously such as prioritizing tasks, managing workflow under pressure, and completing work-related activities in a timely manner;
  9. exercise personal ownership over the quantity and quality of individual performance and team assignments; and
  10. employ leadership skills within a classroom or community setting to maintain positive relationships.
- B. The student demonstrates knowledge of rules and regulations established by the District of Columbia Board of Barber and Cosmetology (DCBBC). The student is expected to:**
1. implement policies and procedures regarding health and safety;
  2. recognize risks and potentially hazardous situations in compliance with the DCBBC;
  3. navigate the DCBBC website for exam eligibility, exam results, and student hours; and
  4. identify licensure and renewal requirements.
- C. The student identifies and describes the function of tools, equipment, and technologies used in cosmetology. The student is expected to:**
1. explore safe use of tools to enhance client services;
  2. describe ergonomically correct use of equipment to promote professional efficiency; and
  3. summarize available technology sources that could be used in a professional salon setting.
- D. The student applies the academic knowledge and practical skills to simulated and actual work situations. The student is expected to:**
1. apply client consultation skills to guide individuals in recognizing concerns and making informed decisions;
  2. document client satisfaction with procedures and products to facilitate ease of consultation in future appointments;
  3. locate and compare vendors to maximize benefits for personal care clients, businesses, or organizations;
  4. investigate the principles and practices of infection control such as bacterial disorders, classification of pathogens, and diseases and/or viruses;
  5. accurately read, interpret, and demonstrate adherence to safety rules, including but not limited to rules pertaining to Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) guidelines, and state and national code requirements;
  6. outline basic concepts of the human body's anatomy and physiology distinguishing between how a client's hair, skin, and nails react to various treatments and services.
    - a. Explain why recognizing the differences between normal and abnormal anatomy is important in determining whether specific treatments and services are appropriate.
    - b. Examine and differentiate bone and muscle structures that will help you use the proper application of services and products for scalp manipulations and facials;
    - c. identify body tissue, body systems, and their functions.
  7. analyze and define the different aspects of nail anatomy;
    - a. Structure
    - b. Growth
    - c. Common and uncommon disorders



- d. Infectious and noninfectious nail diseases
- 8. Perform a hair, nail, and skin analysis for a client while adhering to all directions and safety procedures;
- 9. Demonstrate proper use of implements and equipment for manicure and pedicure procedures;
- 10. Perform the following nail services while adhering to all directions and safety procedures:
  - a. Natural manicure
  - b. Natural pedicure
  - c. Nail enhancements
- 11. Assess and employ the use of sanitary and safety precautions necessary for procedures including proper decontamination and infection control procedures during a hair, nail, and/or skin service;
- 12. Clean and maintain implements by using appropriately mixed chemicals and following the procedures for decontamination of tools;
- 13. Organize, use, and care for implements, equipment, and materials used in the manicure and pedicure procedures;
- 14. Demonstrate concepts related to the properties of hair design;
  - a. recognize elements of hair design such as line, form, space, texture, and color;
  - b. investigate and identify lines that create width and length;
  - c. explain the position of diagonal and curved lines to emphasize or minimize facial features;
  - d. identify different facial shapes and their importance to hair design;
  - e. explore the significance and function of parallel lines in hair design;
  - f. judge the relevance of contrasting and transitional lines in hair design.
- 15. Identify, describe, and effectively demonstrate basic hairstyling techniques and manipulating implements appropriately for thermal styling and straightening.
- 16. Identify the principles and techniques that guide haircutting, including areas of the head, lines, sections, angles, elevation, guidelines, and over direction.
- 17. Apply the haircutting principles to perform an effective client consultation that incorporates a hair and face analysis.
- 18. Perform a professional haircut at the following elevations while adhering to all directions and safety procedures:
  - a. zero degrees;
  - b. 45 degrees.
- 19. Understand chemical texture services and how each service affects the structure of the hair:
  - a. explain the importance of potential hydrogen (pH) in chemical texture services, include distinguishing factors between sulfur, hydrogen, and disulfide bonds;
  - b. differentiate between the chemical texture services exploring how each service affects the structure of the hair;
  - c. indicate and explain the chemical reactions that take place during chemical services;
  - d. explain the purpose of neutralization in chemical services;
  - e. describe the four chemical reactions that take place during permanent waving;
  - f. compare and contrast an alkaline wave and a true acid wave;
  - g. explain the purpose of neutralization in permanent waving.
- 20. explain the importance of knowledge of color theory as it applies to the cosmetology field;
- 21. explain procedures pertaining to chemical services and haircoloring;
- 22. Perform the following haircolor services while adhering to all directions and safety procedures:
  - a. temporary haircolor;
  - b. semi-permanent haircolor;



- c. demi-permanent haircolor;
- d. single-process permanent color.

- E. **The student develops professional skills needed to make appropriate career plans. The student is expected to:**
- 1. define what is expected of an employee such as ethical conduct, team building skills, principles of selling, and building a clientele;
  - 2. examine personal conduct in the salon to comply with professional liability;
  - 3. research the elements of successful salon operations such as recordkeeping, inventory, and business plan development;
  - 4. distinguish different types of salon categories such as commission based, hourly, and independent contractor; and
  - 5. prepare an employment portfolio that may include professional resume and evidence of accomplishments.
- G. **The student develops technology skills. The student is expected to:**
- 1. use technology as a tool to research, organize, evaluate, and communicate information.
  - 2. use digital technologies (computers, PDAs, media players, GPSs, etc.), communication/networking tools, and social networks appropriately to access, manage, integrate, evaluate, and create information to successfully function in a knowledge economy.
  - 3. demonstrate utilizing current and new technologies specific to the program of study, course, and/or industry; and
  - 4. apply a fundamental understanding of the ethical/legal issues surrounding the access and use of information technologies.



## Cosmetology II

1. **General requirements.** This course is recommended for students in Grades 11 through 12. Recommended prerequisite: Cosmetology I. Students shall be awarded one credit for successful completion of this course.
2. **Introduction.**
  - A. Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions.
  - B. The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.
  - C. In Cosmetology II, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. All classroom theory training must be completed before beginning the work experience part of the apprenticeship. **The classroom training must occur in a Board approved school or continuing education course and shall consist of the following 375 classroom theory and practical hours:**
    1. Pressing (25 hours)
    2. Croquinole Wave/Styling (25 hours)
    3. Permanent Wave (50 hours)
    4. Wet Curls (25 hours)
    5. Facial and Massage (50)
    6. Dye and Bleach (25 hours)
    7. Haircutting (50 hours)
    8. Chemical Straightening (75)
    9. Anatomy, Physiology, Bacteriology, Pathology, Chemistry, and Electricity (50 hours)
  - D. Students will participate in at least two Career Exploration Work-Based Learning experiences in this course, which might include guest speakers and work-place tours relevant to the program of study. **Students may also obtain a braider (100 hours) or manicurist (300 hours) license through District of Columbia Board of Barber and Cosmetology (DCBBC) examination, during this course.**
  - E. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.
3. **Knowledge and skills.**
  - A. **The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:**
    1. demonstrate professionalism in how to dress appropriately, speak politely, and conduct oneself in a manner appropriate for the profession and work site;
    2. employ the ability to be trustworthy by complying with an ethical course of action;





3. comply with all applicable rules, laws, and regulations;
  4. use conflict-management skills to avoid potential or perceived conflict;
  5. investigate employment opportunities, including entrepreneurship;
  6. evaluate data or outcome of a broad range of personal care services;
  7. demonstrate effective oral and written communication skills with diverse individuals, including coworkers, management, and customers;
  8. develop skill in handling multiple tasks simultaneously such as prioritizing tasks, managing workflow under pressure, and completing work-related activities in a timely manner;
  9. exercise personal ownership over the quantity and quality of individual performance and team assignment;
  10. employ leadership skills within a classroom or community setting to maintain positive relationships; and
  11. demonstrate knowledge of practical skills such as manicure, pedicure, or hairstyling.
- B. The student demonstrates knowledge of rules and regulations established by the District of Columbia Board of Barber and Cosmetology (DCBBC). The student is expected to:**
1. apply health and safety policies and procedures;
  2. recognize risks and potentially hazardous situations in compliance with DCBBC;
  3. navigate the DCBBC website for exam eligibility, exam results, and student hours; and
  4. identify licensure and renewal requirements of the licensee or licensed cosmetology establishment or school.
- C. The student demonstrates an understanding in the use of tools, equipment, technologies, and materials used in cosmetology. The student is expected to:**
1. employ safe and effective use of tools to enhance client services;
  2. use ergonomically designed equipment to promote professional efficiency;
  3. use available technology sources effective in a professional salon setting; and
  4. apply universal precautions in disposal of hazardous materials.
- D. The student applies the academic knowledge and practical skills to simulated and actual work situations. The student is expected to:**
1. prepare for District of Columbia Board of Barber and Cosmetology (DCBBC) examination;
  2. apply an understanding of pH and the pH scale to cosmetology services;
  3. apply the principles of organic and inorganic chemistry;
  4. classify solutions, suspensions, and emulsions that may be used during cosmetology services;
  5. identify the principles and techniques that guide haircutting, including areas of the head, lines, sections, angles, elevation, guidelines, and over direction.
  6. apply the haircutting principles to perform an effective client consultation that incorporates a hair and face analysis.
  7. perform a professional haircut at the following elevations:
    - a. 90 degrees
    - b. 180 degrees
  8. perform a professional haircut using:
    - a. clippers
    - b. trimmers
    - c. texturing shears
    - d. razor



9. utilize and maintain the following implement for haircutting:
    - a. haircutting shears
    - b. texturizing shears
    - c. razors
    - d. clippers
    - e. trimmers
    - f. sectioning clips
    - g. combs: wide-tooth, tail, barber, and styling or cutting
  10. explain the principles and practices of infection control, including bacterial disorders and diseases and viruses; and
  11. explain the theories of color illusion such as light and dark colors and tones that may create an illusion of more or less volume in the hair design;
  12. document the scope of client services affected by basic color theory such as artificial hair color services;
  13. justify the selection of color process as it pertains to skin tone and eye color;
  14. make use of primary, secondary, and tertiary colors as they relate to the field of cosmetology;
  15. demonstrate understanding and proficiency working with complementary colors;
  16. execute application procedure of artificial hair color such as virgin tint to darken, bleach retouch, virgin tint to lighten, and dimensional color services such as cap highlighting, foil highlighting, and low lighting;
  17. indicate and explain the four chemical reactions that take place during permanent waving;
  18. compare and contrast an alkaline wave and a true acid wave;
  19. explain the purpose of neutralization in permanent waving;
  20. analyze how thio relaxers and other alternative products straighten the hair;
  21. demonstrate advanced wet and thermal styling techniques for a diverse clientele and occasions;
  22. demonstrate advanced thermal straightening techniques including permanent thermal straightening.
- E. **The student develops technology skills. The student is expected to:**
1. use technology as a tool to research, organize, evaluate, and communicate information.
  2. use digital technologies (computers, PDAs, media players, GPSs, etc.), communication/networking tools, and social networks appropriately to access, manage, integrate, evaluate, and create information to successfully function in a knowledge economy.
  3. demonstrate utilizing current and new technologies specific to the program of study, course, and/or industry; and
  4. apply a fundamental understanding of the ethical/legal issues surrounding the access and use of information technologies.



## Practicum in Cosmetology

1. **General requirements.** This course is recommended for students in Grade 12. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Human Services Career Cluster. Prerequisite: Cosmetology II. Students shall be awarded one credit for successful completion of this course.
2. **Introduction.**
  - A. Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions.
  - B. The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.
  - C. The Practicum in Cosmetology provides background knowledge and occupation-specific training that focuses on the development of cosmetology careers. Content for the Practicum in Cosmetology is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the Cosmetology program of study.
  - D. Students will participate in a Career Preparation Work-Based Learning experience in this course, which includes paid or unpaid internship, pre-apprenticeship, or apprenticeship experiences relevant to the program of study. **The classroom training must occur in a Board approved school or continuing education course and shall consist of the following 375 classroom theory and practical hours:**
    1. Pressing (25 hours)
    2. Croqu Shore Wave/Styling (25 hours)
    3. Permanent Wave (50 hours)
    4. Wet Curls (25 hours)
    5. Dye and Bleach (25 hours)
    6. Haircutting (25 hours)
    7. Chemical Straightening (75 hours)
    8. Electrology (75 hours)
    9. Ethics and Salesmanship (25 hours)
    10. Anatomy, Physiology, Bacteriology, Pathology, Chemistry, and Electricity (25 hours)
  - E. Students will participate in at least two Career Exploration Work-Based Learning experiences in this course, which might include guest speakers and work-place tours relevant to the program of study. **Students may also obtain a braider (100 hours) or manicurist (300 hours) license through District of Columbia Board of Barber and Cosmetology (DCBBC) examination, during this course.**
  - F. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.



### **3. Knowledge and skills.**

#### **A. The student demonstrates professional standards/employability skills as required by business and industry.**

##### **The student is expected to:**

1. participate in a paid or unpaid, laboratory- or work-based application of previously studied knowledge and skills related to cosmetology;
2. participate in training, education, or preparation for licensure, certification, or other relevant credentials to prepare for employment;
3. demonstrate professional standards and personal qualities needed to be employable such as self-discipline, positive attitude, integrity, leadership, appreciation for diversity, customer service, work ethic, and adaptability with increased fluency;
4. demonstrate use of personal information management, email, Internet, writing and publishing, presentation, and spreadsheet or database applications for relevant projects with increased fluency;
5. employ teamwork and conflict-management skills with increased fluency to achieve collective goals; and
6. employ planning and time-management skills and tools with increased fluency to enhance results and complete work tasks.

#### **B. The student applies professional communications strategies. The student is expected to:**

1. demonstrate verbal and non-verbal communication consistently in a clear, concise, and effective manner;
2. present information formally and informally in an effective manner;
3. analyze, interpret, and effectively communicate information;
4. apply active listening skills to obtain and clarify information; and
5. exhibit public relations skills to maintain internal and external customer/client satisfaction.

#### **C. The student implements advanced problem-solving methods. The student is expected to employ critical-thinking skills with increased fluency both independently and in groups to solve problems and make decisions.**

#### **D. The student understands and applies proper safety techniques in the workplace. The student is expected to:**

1. demonstrate an understanding of and consistently follow workplace safety rules and regulations;
2. identify appropriate locations to safely offer cosmetology services;
3. employ procedures necessary to provide emergency aid for workplace accidents; and
4. demonstrate an understanding of components of a disaster and emergency response plan and use when directed.

#### **E. The student understands the professional, ethical, and legal responsibilities in the cosmetology field. The student is expected to:**

1. demonstrate a positive, productive work ethic by performing assigned tasks as directed;
2. describe and practice ethical and legal responsibilities associated with providing cosmetology services;
3. show integrity by choosing the ethical course of action when making decisions;
4. address situations requiring client advocacy appropriately and advocate when necessary; and
5. comply with all applicable rules, laws, and regulations in a consistent manner.

#### **F. The student participates in a supervised human services experience. The student is expected to:**

1. conduct, document, and evaluate learning activities in a supervised cosmetology services experience;
2. implement quality-control systems and practices that ensure quality products and services with increased fluency;



3. identify a functional work environment, equipment needs, and required utilities for offering cosmetology services;
4. employ appropriate social skills necessary for interacting with a diverse population; and
5. collect representative work samples.

**G. The student applies the academic knowledge and practical skills to simulated and actual work situations. The student is expected to:**

1. Prepare for District of Columbia Board of Barber and Cosmetology (DCBBC) examination;
2. effectively demonstrate advanced hairstyling techniques and explain how the elements and principles of design are incorporated;
3. identify, describe, and effectively demonstrate advanced haircutting techniques while employing implements appropriately and using proper posture and body positions:
  - a. Perform haircuts using guides (stationary, traveling, and combination)
  - b. Razor cutting
  - c. Slide cutting
  - d. Shears-over-comb
  - e. Various weight line haircut designs
4. demonstrate safe and effective concepts and procedures in chemical texture services;
5. effectively demonstrate advanced hairstyling techniques through wet and dry styling;
6. determine the risks and benefits of using specific techniques in the evaluation of clients' hair including but not limited to: scalp care, shampooing, conditioning, draping, sectioning, and specialized treatments;
7. identify and describe the relationship of electricity and cosmetology;
8. understand the principles of professional and personal codes of ethics as a licensed cosmetologist;
9. identify and describe effective business practices for licensed cosmetologist. Practices include:
  - a. sales;
  - b. marketing;
  - c. customer service; and
  - d. inventory.

**H. The student develops technology skills. The student is expected to:**

1. use technology as a tool to research, organize, evaluate, and communicate information.
2. use digital technologies (computers, PDAs, media players, GPSs, etc.), communication/networking tools, and social networks appropriately to access, manage, integrate, evaluate, and create information to successfully function in a knowledge economy.
3. demonstrate utilizing current and new technologies specific to the program of study, course, and/or industry; and
4. apply a fundamental understanding of the ethical/legal issues surrounding the access and use of information technologies.