Florida Department of Education
Curriculum Framework

Program Title: **Cosmetology**
Program Type: **Career Preparatory**
Career Cluster: **Human Services**

Career Certificate Program		
Program Number	D500100	
CIP Number	0612040102	
Grade Level	30, 31	
Program Length	1200 hours	
Teacher Certification	Refer to the **Program Structure** section.	
CTSO	SkillsUSA	
SOC Codes (all applicable)	Please see the CIP to SOC Crosswalk located at the link below.	
CTE Program Resources	http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml	
Basic Skills Level	Computation (Mathematics): 8	Communications (Reading and Language Arts): 8

Purpose

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Human Services career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Human Services career cluster. This program offers a broad foundation of knowledge and skills to prepare students for employment in network support services positions.

A student completing the Cosmetology program is prepared for employment as a licensed Hairdressers, Hairstylists and Cosmetologists. Instruction is designed to qualify students for employment upon successfully obtaining a Cosmetology license.

The content includes, but is not limited to: communication, leadership, human relations and employability skills; safe and efficient work practices; Florida cosmetology law and rules; acquisition of knowledge of the cosmetology/nails specialist/facial specialist and the related chemistry; bacteriology, anatomy and physiology; art of make-up; and development of skill in performing the manipulative and electrical techniques required in the practice of cosmetology/nails specialist and facials specialist occupations.

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the cosmetology industry; planning, management, finance, technical and production skills, underlying technological principles, labor, community, health, safety and environmental issues.

Additional Information relevant to this Career and Technical Education (CTE) program is provided at the end of this document.

Program Structure

This program consists of one occupational completion point. Students must complete the core or demonstrate the mastery of skills standards contained in the core, before advancing in the program.

This program is comprised of courses which have been assigned course numbers in the SCNS (Statewide Course Numbering System) in accordance with Section 1007.24 (1), F.S. Career and Technical credit shall be awarded to the student on a transcript in accordance with Section 1001.44(3)(b), F.S.

To teach the courses listed below, instructors must hold at least one of the teacher certifications indicated for that course.

The following table illustrates the postsecondary program structure:

OCP	Course Number	Course Title	Teacher Certification	Length
A	CSP0009	Grooming and Salon Services Core, Facials and Nails	COSMETOL @7 7G	225 hours
	COS0002	Cosmetologist and Hairdresser 1		300 hours
	COS0003	Cosmetologist and Hairdresser 2		300 hours
	COS0009	Cosmetologist and Hairdresser 3		375 hours

Regulated Programs

This program is regulated by the Florida Department of Business & Professional Regulation, Florida Board of Cosmetology.

Students wishing to complete the Cosmetology program, OCP A – Cosmetologist and Hairdresser, shall complete the requirements listed in Rule 61G5-22, F.A.C., that outline the basic curriculum which shall be used in cosmetology schools in the State of Florida. This curriculum includes definitions, level of acceptable competency, knowledge of Florida law, and sanitation and sterilization practices. Additional curriculum requirements are listed in the table below:

Rule Cite	Number and Type of Service Required
61G5-22.006, F.A.C.	Ten (10) facials including skin care and hair removal
61G5-22.0125, F.A.C.	Twenty (20) manicuring/pedicuring/nail extension services
61G5-22.007, F.A.C.	Seventy-five (75) hair shaping services
61G5-22.008, F.A.C.	Forty-five (45) scalp treatments and hair care rinses
61G5-22.009, F.A.C.	Fifty (50) shampoos and rinses
61G5-22.010, F.A.C.	Three hundred (300) hair arranging/styling services
61G5-22.011, F.A.C.	Forty-five (45) hair coloring services
61G5-22.012, F.A.C.	Sixty-five (65) chemical waving and relaxing/straightening services

Common Career Technical Core – Career Ready Practices

Career Ready Practices describe the career-ready skills that educators should seek to develop in their students. These practices are not exclusive to a Career Pathway, program of study, discipline or level of education. Career Ready Practices should be taught and reinforced in all career exploration and preparation programs with increasingly higher levels of complexity and expectation as a student advances through a program of study.

1. Act as a responsible and contributing citizen and employee.

2. Apply appropriate academic and technical skills.

3. Attend to personal health and financial well-being.

4. Communicate clearly, effectively and with reason.

5. Consider the environmental, social and economic impacts of decisions.

6. Demonstrate creativity and innovation.

7. Employ valid and reliable research strategies.

8. Utilize critical thinking to make sense of problems and persevere in solving them.

9. Model integrity, ethical leadership and effective management.

10. Plan education and career path aligned to personal goals.

11. Use technology to enhance productivity.

12. Work productively in teams while using cultural/global competence.

Standards

After successfully completing this program, the student will be able to perform the following:

01.0 Identify career opportunities.
02.0 Demonstrate the importance of health, safety, and environmental management systems in organizations and their importance to organizational performance and regulatory compliance.
03.0 Employ safe, sanitary and efficient work practices.
04.0 Demonstrate language arts knowledge and skills.
05.0 Demonstrate mathematics knowledge and skills.
06.0 Demonstrate science knowledge and skills.
07.0 Explain the importance of employability skills and entrepreneurship skills.
08.0 Demonstrate leadership and teamwork skills needed to accomplish team goals and objectives.
09.0 Demonstrate personal money-management concepts, procedures, and strategies.
10.0 Describe the importance of professional ethics and legal responsibilities.
11.0 Describe the roles within teams, work units, departments, organizations, inter-organizational systems, and the larger environment.
12.0 Use information technology tools.
13.0 Solve problems using critical thinking skills, creativity and innovation.
14.0 Use oral and written communication skills in creating, expressing and interpreting information and ideas.
15.0 Demonstrate the practice of performing manicures, pedicures, and apply artificial nails/nail wraps identifying the proper procedure and application of chemicals.
16.0 Perform facials, manipulation and related massage, make-up, hair removal, and artificial lash application. Identify the proper chemical to be prescribed using an understanding of the chemistry that affects the nails and skin that can be described, measured and predicted. Demonstrate proper procedure and application of chemicals.
17.0 Identify shampoo/hair conditioners and scalp treatments. Evaluate scalp and hair needs by analysis, demonstrating an awareness of diseases and disorders. Communicate an understanding of the chemical compositions and reactions of shampoos, conditioners, and rinses with water and each other. Demonstrate an understanding of electrical current, transfer of energy and how it affects the skin. Demonstrate application of shampoo, manipulations and rinsing.
18.0 Identify and perform hair shaping (cutting). Identify and analyze spheres and dimensional shapes using visualization. Illustrate ways in which geometric shapes can be combined, subdivided and changed in performing haircuts on a manikin or client. Communicate an understanding of factors that influence the determination of strategies necessary to meet individual client needs.
19.0 Identify and perform hairstyles. Identify and analyze spheres and dimensional shapes using visualization. Illustrate ways in which geometric shapes can be combined, subdivided and changed in performing haircuts on a manikin or client. Communicate an understanding of factors that influence the determination of strategies necessary to meet individual client needs.
20.0 Identify and prepare hairpieces, wigs and hair attachments. Identify and analyze spheres and dimensional shapes using visualization. Illustrate ways in which geometric shapes can be combined, subdivided and changed in performing haircuts on a manikin or client. Communicate an understanding of factors that influence the determination of strategies necessary to meet individual client needs.
21.0 Identify and perform permanent waving/reconstruction and curl/ chemical relaxing. Identify the proper chemical to be prescribed and understand the way chemicals affect the hair shaft and skin. Be able to demonstrate proper procedure and application of chemicals.

22.0 Identify and apply temporary/semi-permanent and permanent color/bleach and specialty color techniques. Identify the proper chemical to be prescribed. Understand the chemicals that affect the hair shaft and skin and be able to describe, measure, and predict chemical reactions. Demonstrate proper procedures including the measurement, mixing and application of chemicals.

Florida Department of Education
Student Performance Standards

Program Title: Cosmetology
Career Certificate Program Number: D500100

Course Number: CSP0009 **Occupational Completion Point: A** **Grooming and Salon Services Core, Facials and Nails – 225 Hours**	
01.0	Identify career opportunities. The student will be able to:
01.01	Identify career opportunities in the grooming and salon services field.
02.0	Demonstrate the importance of health, safety, and environmental management systems in organizations and their importance to organizational performance and regulatory compliance. The students will be able to:
02.01	Describe personal and jobsite safety rules and regulations that maintain safe and healthy work environments.
02.02	Explain emergency procedures to follow in response to workplace accidents.
02.03	Create a disaster and/or emergency response plan.
03.0	Employ safe, sanitary and efficient work practices. The student will be able to:
03.01	Using universal precaution, identify decontamination procedures to insure the safety of the client and student in the classroom and laboratory.
03.02	Set-up and operate equipment and utilize materials by mixing chemicals (EPA approved and hospital strength levels) in appropriate proportions according to manufacturer's instructions.
03.03	Clean, maintain, and proper storage of implements by using appropriately mixed chemicals and following the procedures for decontamination of tools per Chapter 61G5-22.005, F.A.C.
03.04	Apply teamwork procedures and social skills in following the rules for professional ethics and demonstrate a cultural awareness of hygiene and socialized differences by using active listening skills.
03.05	Describe, observe, identify and analyze the functions, structures, and diseases and disorders of hair, skin and nails. Demonstrate and communicate to the client the proper care of hair, skin and nails through cleanliness, nutrition, and healthful living.
04.0	Demonstrate language arts knowledge and skills. The students will be able to:
04.01	Locate, comprehend and evaluate key elements of oral and written information.
04.02	Draft, revise, and edit written documents using correct grammar, punctuation and vocabulary.
04.03	Present information formally and informally for specific purposes and audiences.
05.0	Demonstrate mathematics knowledge and skills. The students will be able to:

	05.01 Identify math skills as it applies to grooming and salon services.
	05.02 Demonstrate knowledge of arithmetic operations.
	05.03 Analyze and apply data and measurements to solve problems and interpret documents.
	05.04 Construct charts/tables/graphs using functions and data.
06.0	Demonstrate science knowledge and skills. The students will be able to:
	06.01 Discuss the role of creativity in constructing scientific questions, methods and explanations.
	06.02 Formulate scientifically investigable questions, construct investigations, collect and evaluate data and develop scientific recommendations based on findings.
	06.03 Identify science as it applies to decontamination and infection control.
	06.04 Identify chemistry as it applies to products used in the salon.
	06.05 Identify science as it applies to anatomy and physiology.
	06.06 Identify science as it applies to electricity and light therapy to perform appropriate treatment.
07.0	Explain the importance of employability skills and entrepreneurship skills. The students will be able to:
	07.01 Identify and demonstrate positive work behaviors needed to be employable.
	07.02 Develop personal career plan that includes goals, objectives, and strategies to include re-booking clients to maintain and grow your business.
	07.03 Examine licensing, certification, and industry credentialing requirements.
	07.04 Maintain a career portfolio, including digital portfolio to document knowledge, skills and experience.
	07.05 Evaluate and compare employment opportunities that match career goals.
	07.06 Identify and exhibit traits for retaining employment.
	07.07 Identify opportunities and research requirements for career advancement.
	07.08 Research the benefits of ongoing professional development, in all areas of the field to coincide with the current trends of the industry.
	07.09 Examine and describe entrepreneurship opportunities as a career planning option.
	07.10 Project a professional image.

	07.11 Work individually and cooperatively as a member of a homogenous or culturally diverse team.
	07.12 Utilize proper verbal and written communication skills applicable to the clients, product knowledge, co-workers and business professionals in the industry.
	07.13 Balance personal and professional life.
	07.14 Use and conserve resources and energy.
	07.15 Define entrepreneurship-management skills.
	07.16 Describe the importance of entrepreneurship to the American economy.
	07.17 List the advantages and disadvantages of business ownership.
	07.18 Identify the risks involved in ownership of a business.
	07.19 Identify the necessary personal characteristics of a successful entrepreneur.
	07.20 Identify the business skills needed to operate a small business efficiently and effectively.
08.0	Demonstrate leadership and teamwork skills needed to accomplish team goals and objectives. The students will be able to:
	08.01 Employ leadership skills to accomplish individual and organizational goals including tracking, monitoring and re-evaluation of goals and objectives.
	08.02 Establish and maintain effective working relationships with others in order to accomplish objectives and tasks.
	08.03 Conduct and participate in meetings to accomplish work tasks.
	08.04 Employ mentoring skills to inspire and teach others.
09.0	Demonstrate personal money-management concepts, procedures and strategies. The students will be able to:
	09.01 Identify and describe the services and legal responsibilities of financial institutions.
	09.02 Describe the effect of money management on personal and career goals.
	09.03 Develop a personal budget and financial goals.
10.0	Describe the importance of professional ethics and legal responsibilities. The students will be able to:
	10.01 Demonstrate working knowledge of current Florida Law, Chapter 477, F.S.
	10.02 Demonstrate an understanding of the modes of transmission infection control, clinical management and prevention of HIV and AIDS.

	10.03 Evaluate and justify decisions based on ethical reasoning.
	10.04 Evaluate alternative responses to workplace situations based on personal, professional, ethical, legal responsibilities and employer policies.
	10.05 Identify and explain personal and long-term consequences of unethical or illegal behaviors in the workplace.
	10.06 Interpret and explain written organizational policies and procedures.
	10.07 Describe "Right-to-Know" Law as recorded in 29 CFR-1910.1200.
11.0	Describe the roles within teams, work units, departments, organizations, inter-organizational systems and the larger environment. The students will be able to:
	11.01 Describe the nature and types of business organizations, and the roles of employee vs employer.
	11.02 Explain the effect of key organizational systems on performance and quality.
	11.03 List and describe quality control systems and/or practices common to the workplace.
	11.04 Explain the impact of the global economy on business organizations.
12.0	Use information technology tools. The students will be able to:
	12.01 Employ technological tools to expedite workflow including word processing, databases, reports, spreadsheets, multimedia presentations, electronic calendar, contacts, email and internet applications.
	12.02 Employ computer operations applications to access, create, manage, integrate and store information.
	12.03 Use personal information management (PIM) applications to increase workplace efficiency.
	12.04 Employ collaborative/groupware applications to facilitate group work.
13.0	Solve problems using critical thinking skills, creativity and innovation. The students will be able to:
	13.01 Employ critical thinking skills independently and in teams to solve problems and make decisions, including the impact of the industry on the environment.
	13.02 Employ critical thinking and interpersonal skills to resolve conflicts.
	13.03 Identify and document workplace performance goals and monitor progress toward those goals.
	13.04 Conduct technical research to gather information necessary for decision-making.
14.0	Use oral and written communication skills in creating, expressing and interpreting information and ideas. The students will be able to:
	14.01 Select and employ appropriate communication concepts and strategies to enhance oral and written communication in the workplace.

	14.02 Locate, organize and reference written information from various sources.
	14.03 Design, develop and deliver formal and informal presentations using appropriate media to engage and inform diverse audiences.
	14.04 Interpret verbal and nonverbal cues/behaviors that enhance communication.
	14.05 Apply active listening skills to obtain and clarify information.
	14.06 Exhibit public relations skills that aid in achieving customer satisfaction.
	14.07 Develop and interpret tables and charts to support written and oral communications.
15.0	Demonstrate the practice of performing manicures, pedicures and apply artificial nails/nail wraps identifying the proper procedure and application of chemicals (students are only required to perform 20 nails procedures to obtain a cosmetology license, refer to rule 61G5-22.0125, F.A.C). The student will be able to:
	15.01 Clean and maintain implements by using appropriately mixed chemicals (EPA approved and hospital grades) and following the procedures for decontamination of tools per Chapter 61G5-22.005, F.A.C. Assemble, set up and operate equipment according to manufacturer's instructions.
	15.02 Demonstrating knowledge of chemical products and ability to follow the manufacturer's directions, correctly remove the nail polish from the natural nail. Demonstrating knowledge of anatomy and safety procedures, correctly clean under the free edge of the natural nail.
	15.03 Demonstrating knowledge of anatomy and safety procedures, correctly clean under the free edge of the natural nail.
	15.04 Demonstrating the proper technique and safety precautions and utilizing knowledge of anatomy of the nail structure, diseases and disorders of the skin and nail, chemistry of compounds and their reaction to the skin, angles and curves; correctly shape the natural nail, soften and care for the cuticles and trim hangnails.
	15.05 Perform proper techniques for smoothing and buffing the nails by demonstrating knowledge of anatomy of nails, chemistry of products and safety precautions.
	15.06 Perform proper techniques for foot care, including sanitizing and soaking, by demonstrating knowledge of the chemistry of products on the skin and implements, and following the manufacturer's directions.
	15.07 Demonstrate knowledge of anatomy of the skin and nails, and chemistry of products by performing the proper massage techniques to the hands and feet.
	15.08 Prepare the natural nail for the application of an artificial nail by utilizing knowledge of anatomy of nails and hands and product reaction on the nails.
	15.09 Utilize knowledge of angles, curves and relationship to size select the correct size and type of artificial nails using safety procedures and follow the manufacturer's directions.
	15.10 Repair and wrap a natural nail by applying knowledge of anatomy, diseases and disorders of nails and chemistry of products and their effect on the skin and nails.
	15.11 Demonstrate the correct application procedure of nail forms and caps by following all safety and sanitation procedures.
	15.12 Correctly apply artificial material to the natural nail following all safety and sanitation procedures for nails and diseases and disorders. Shape and buff the artificial nail to the proper consistency using proper implements, equipment and knowledge of angles

		and shapes to mold into a natural looking nail. Follow all manufacturers' directions.
	15.13	Following all manufactures directions, correctly apply artificial material (acrylic and gels) to the free edge of the natural nail and or to the full natural nail. Demonstrate knowledge of diseases and disorders of the nail and relationships of size to mold the artificial nail into a natural looking nail.
	15.14	Following the manufacturer's directions and knowledge of safety procedures, demonstrate knowledge of acetone product reactions to the skin and nails by removing the artificial material from the natural nail plate without damage to the natural nail.
	15.15	Applying knowledge of the chemical reactions of products to the skin and nails, correctly demonstrate ability to properly polish the nail with a base, color and topcoat to make a smooth even shade to the nail, relying on consultation with client. Demonstrate ability create artful scenes on a minute surface.
	15.16	Demonstrate knowledge of nail diseases and disorders by providing client with the proper information regarding safe nail maintenance.
16.0		Perform facials, manipulation and related massage, make-up, hair removal and artificial lash application. Identify the proper chemical to be prescribed using an understanding of the chemistry that affects the skin that can be described, measured and predicted. Demonstrate proper procedure and application of chemicals (students are only required to perform 10 facial procedures to obtain a cosmetology license, refer to rule 61G5-22.006, F.A.C). The student will be able to:
	16.01	Choose the proper supplies, products and equipment based on skin analysis and client consultation and adhere to client privacy policies.
	16.02	Demonstrate knowledge of action and reaction of chemical products used for the cleansing of the face and neck.
	16.03	Demonstrate knowledge of available treatments and chemical products associated with each treatment and use problem solving skills in selecting the appropriate chemicals and equipment to meet the needs of the client.
	16.04	Demonstrate ability and knowledge to properly do a final cleansing of the face and neck using product knowledge of reactions to chemicals on the different textures of skin.
	16.05	Demonstrate working knowledge of chemicals used for lash and eyebrow tinting and the adverse reactions that may occur.
	16.06	Demonstrate proper procedure for applying artificial eyelashes with a working knowledge of the chemicals and adverse reactions that may occur.
	16.07	Shape eyebrows by tweezing and waxing incorporating bone structure, appropriate angles and procedures for hair removal to meet the client's needs.
	16.08	Apply make-up based on the client's needs and desires, using proper safety procedures and appropriate application procedures and products, and utilizing knowledge of color theory and chemical reactions to the skin before application.
	16.09	Identify bone structure, face shapes and fashion trends to fulfill client's needs and desires.
	16.10	Clean and maintain implements by using appropriately mixed chemicals and following the procedures for decontamination of tools per Chapter 61G-5.002 (2), F.A.C., and dispose of “single use” items.

Course Number: COS0002 **Occupational Completion Point: A** **Cosmetologist and Hairdresser 1 – 300 Hours**	
17.0	Identify shampoo/hair conditioners and scalp treatments. Evaluate scalp and hair needs by analysis, demonstrating an awareness of diseases and disorders. Communicate an understanding of the chemical compositions and reactions of shampoos, conditioners and rinses with water and each other. Demonstrate an understanding of electrical current, transfer of energy and how it affects the skin. Demonstrate application of shampoo, manipulations and rinsing. The student will be able to:
17.01	Prepare the client for service.
17.02	Analyze and evaluate the hair's chemical composition and structure.
17.03	Identify different compositions of shampoos. Utilize problem-solving skills to determine the appropriate products and applications and communicate an understanding of factors that influence the choice of products to meet client's needs.
17.04	Understand the chemical reaction of the shampoo molecule on the hair and scalp and utilize proper manipulations.
17.05	Rinse shampoo thoroughly from hair and scalp. Understand the chemical reaction of shampoo with water composition, temperature and electrostatic force of each.
17.06	Identify different compositions of conditioners. Utilize problem solving skills determine the appropriate products and applications to communicate an understanding of factors that influence the choice of products to meet client's needs.
17.07	Apply treatment or conditioner according to manufacturer's directions.
17.08	Demonstrate the proper manipulation based on the scalp analysis and client consultation.
17.09	Have working knowledge of the effects of electricity and light as it deals with the scalp chemically and physically.
17.10	Application, processing, and removal of all types of conditioner including bond building repair pre/post treatments, if required. Understand the chemical reaction of conditioners/treatments with the water, manufacturing recommendations, and client's needs.
18.0	Identify and perform hair shaping (cutting). Identify and analyze spheres and dimensional shapes using visualization. Illustrate ways in which geometric shapes can be combined, subdivided and changed in performing haircuts on a manikin or client. Communicate an understanding of factors that influence the determination of strategies necessary to meet individual client needs. The student will be able to:
18.01	Select and utilize hair cutting implements and techniques using scissors, razors, clippers, texturizing implements and utilizing universal precautions. Select proper implements, identify implement parts and utilize implements properly by using knowledge of hair structure and condition of the hair.
18.02	Make a decision using active listening and knowledge of hair to determine desired implementation and results. Divide the head into sections according to head structure of client for desired haircut (dry/wet). Use appropriate elevation and proceed with hair cut to obtain desired results (solid form, graduated, layered, over-directed and combinations thereof).
18.03	Edge and clean neckline using the bone structure of the head and texture of the hair to the appropriate shape and length, using the razor, clipper or scissors.
18.04	Check completed haircut for blends by analyzing the relationship between the hairs remaining on the client's head to the stature of the client using the different degree of elevation of hair.

18.05	Decontaminate, and maintain cutting implements using appropriately mixed chemicals (EPA approved and hospital grade) and following the manufacturer's directions and the procedure for decontamination and proper storage of tools per 61G5-22.005, F.A.C.

Course Number: COS0003 Occupational Completion Point: A Cosmetologist and Hairdresser 2 – 300 Hours	
19.0	Identify and perform hairstyles. Identify and analyze spheres and dimensional shapes using visualization. Illustrate ways in which geometric shapes can be combined, subdivided and changed in performing hairstyles on a manikin or client. Communicate an understanding of factors that influence the determination of strategies necessary to meet individual client needs. The student will be able to:
19.01	Communicate an understanding of factors that influence the determination of strategies necessary to meet individual client needs by demonstration of knowledge of planes, angles, anatomy and law of color.
19.02	Perform "wet set" using principles of design (i.e., hair sculpturing, rollers and finger waves).
19.03	Set up equipment and perform thermal styling using blow dryers, flat irons, curling irons, crimping irons, pressing combing, using principles of design.
19.04	Demonstrate the principles of styling the client's hair utilizing knowledge of anatomy, angles and planes in "combing-out" various hairstyles.
19.05	Demonstrate knowledge of braiding natural hair techniques by utilizing knowledge of anatomy and mathematics.
19.06	Demonstrate ability in styling individual hairpieces by utilizing knowledge of chemistry, angles and planes.
20.0	Identify and prepare hairpieces, wigs and hair attachments. Identify and analyze spheres and dimensional shapes using visualization. Illustrate ways in which geometric shapes can be combined, subdivided and changed in performing haircuts on a manikin or client. Communicate an understanding of factors that influence the determination of strategies necessary to meet individual client needs. The student will be able to:
20.01	Determine and identify the geometric shapes of artificial hair, including wigs and hairpieces. Calculate the relationships of color theory and its chemical make-up necessary to achieve the desired result.
20.02	Measure client's head form as it relates to the similarity and proportionality of the individual wig or hairpiece.
20.03	Cleanse and cut artificial hair utilizing chemical theory and practical application necessary to achieve the desired result.
20.04	Secure and intertwine artificial hair to the scalp or hair using chemical bonding compound or by interlocking with a needle or hook to achieve the desired style.
20.05	Demonstrate ability to create hairstyles by incorporating, attaching and blending hairpieces into the desired hairstyle.

Course Number: COS0009 **Occupational Completion Point: A** **Cosmetologist and Hairdresser 3 – 375 Hours**	
21.0	Identify and perform permanent waving, reconstructed curl and chemical relaxing. Identify the proper chemical to be prescribed and understand the way chemicals affect the hair shaft and skin. Be able to demonstrate proper procedure and application of chemicals. The student will be able to:
21.01	Analyze scalp and hair for skin or hair disease or disorders to avoid adverse reaction and determine that proper chemical for the client.
21.02	Select appropriate solution and strength, by measuring and mixing, according to hair texture and desired results.
21.03	Demonstrate knowledge of chemical and physical changes.
21.04	Demonstrate knowledge of possible adverse chemical reactions to the skin. Apply a protective barrier cream to avoid client injury.
21.05	Apply the proper chemicals required for a re-arranger or chemical relaxer to achieve desired result.
21.06	Demonstrate knowledge of the chemical reaction of chemical relaxer, reconstructive curl and smoothing treatments to determine the necessary processing time.
21.07	Read, analyze and perform rinsing or shampooing as per manufacturer's instructions to avoid adverse chemical reactions.
21.08	Demonstrate knowledge of the proper selection of rods and wrapping techniques to achieve desired results.
21.09	Demonstrate the ability to apply the processing solution for the appropriate time and perform test curl.
21.10	Demonstrate the ability to rinse, blot, shampoo and/or neutralize all chemical solutions.
21.11	Demonstrate the ability to remove rods and apply knowledge of chemicals to condition, normalize and style hair to the desired result and to record the results.
21.12	Demonstrate chemical knowledge and application of leave-in treatments and record the results.
22.0	Identify and apply temporary, semi-permanent, permanent color, lightener and specialty color techniques. Identify the proper chemical to be prescribed. Understand the chemicals that affect the hair shaft and skin. Identify, measure, and predict chemical reactions. Demonstrate proper procedure and application of chemicals. The student will be able to:
22.01	Perform an FDA mandated patch test (predisposition, skin, and allergy test), to determine client sensitivity to product. Decide whether to apply patch test and use appropriate application procedure. Mix chemicals following manufacturer's directions.
22.02	Demonstrate the practice of effective draping of the client to insure safety in the workplace and community. Use active listening to communicate with the client an understanding of factors that influence the determination of strategies necessary to meet individual client needs.
22.03	Describe, observe, identify and analyze the functions, structures, diseases and disorders of the scalp and hair.
22.04	Analyze the hair's texture, density, elasticity, porosity and condition to determine the appropriate solutions needed to perform the service and obtain the desired results. Select and assemble all needed materials after analysis.

22.05	Divide the hair into appropriate sections to visualize the scalp for proper application of product.
22.06	Mix, if required, and apply appropriate color, toner, and/or bleach according to manufacturer's directions. Use proper safety equipment to safeguard the student, operator and client.
22.07	Perform a strand test to determine desired color using proper procedures. Follow all safety and sanitation procedures.
22.08	Identify and perform specialty-coloring techniques using the knowledge of ratios and proportions to analyze the density and texture of the client's hair and determine the techniques needed to properly section and apply product.
22.09	Choose the appropriate shampoo to cleanse the hair using knowledge of shampoo chemistry before or after applying color according to manufacturer's instructions. Remove unwanted color stains on the skin if needed using appropriate products and complete the client consultation data.
22.10	Analyze the hair to determine if a conditioner or normalizing conditioner**,** bond building repair is needed either before, during, or after shampooing using the knowledge of the chemistry of conditioners. Follow manufacturer's directions. Complete the client consultation data.

Additional Information

Laboratory Activities

Laboratory investigations that include scientific inquiry, research, measurement, problem solving, emerging technologies, tools and equipment, as well as, experimental, quality, and safety procedures are an integral part of this career and technical program/course. Laboratory investigations benefit all students by developing an understanding of the complexity and ambiguity of empirical work, as well as the skills required to manage, operate, calibrate and troubleshoot equipment/tools used to make observations. Students understand measurement error; and have the skills to aggregate, interpret, and present the resulting data. Equipment and supplies should be provided to enhance hands-on experiences for students.

Career and Technical Student Organization (CTSO)

SkillsUSA is the co-curricular career and technical student organization for providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered.

Cooperative Training – OJT

On-the-job training is appropriate but not required for this program. Whenever offered, the rules, guidelines, and requirements specified in the OJT framework apply.

Basic Skills

In Career Certificate Programs offered for 450 hours or more, in accordance with Rule 6A-10.040, F.A.C., the minimum basic skills grade levels required for postsecondary adult career and technical students to complete this program are: Computation (Mathematics) and Communications (Reading and Language Arts). These grade level numbers correspond to a grade equivalent score obtained on a state designated basic skills examination.

Adult students with disabilities, as defined in Section 1004.02, Florida Statutes, may be exempted from meeting the Basic Skills requirements (Rule 6A-10.040). Students served in exceptional student education (except gifted) as defined in s. 1003.01, F.S., may also be exempted from meeting the Basic Skills requirement. Each school district and Florida College System Institution must adopt a policy addressing procedures for exempting eligible students with disabilities from the Basic Skills requirement as permitted in Section 1004.91, F.S.

Accommodations

Federal and state legislation requires the provision of accommodations for students with disabilities to meet individual needs and ensure equal access. Postsecondary students with disabilities must self-identify, present documentation, request accommodations if needed, and develop a plan with their counselor and/or instructors. Accommodations received in postsecondary education may differ from those received in secondary education. Accommodations change the way the student is instructed. Students with disabilities may need accommodations in such areas as instructional methods and materials, assignments and assessments, time demands and schedules, learning environment, assistive technology and special communication systems. Documentation of the accommodations requested and provided should be maintained in a confidential file.

Note: postsecondary curriculum and regulated secondary programs cannot be modified.