



Colorado CTE Course – Scope and Sequence

Course Name	Barbering Intermediate II		Course Details	Credit = 2.0-3.0 (This course is generally scheduled for 375 hours to meet the DORA licensure eligibility requirements.) Prerequisite: Barbering Intermediate I CTE Credential: CTE Personal Care Services	
			Course = 0.50 Carnegie Unit Credit		
Course Description	Barbering Intermediate II is the third level of the Barbering program of study and prepares students for work-related skills and advancement into Barbering Advanced. Content provides students the opportunity to acquire knowledge and skills in both theory and practical application. Advanced knowledge and skills in hair design, hair cutting, shaving, nail care, and cosmetic applications will be enhanced in a laboratory setting, which duplicates industry standards. Upon completion of all Barbering Courses (1500 hours), students are eligible to take the Colorado Board of Barber Cosmetology Examination for a Colorado Barber License.				
Note:	This is a suggested scope and sequence for the course content. The content will work with any textbook or instructional resource. If locally adapted, make sure all essential knowledge and skills are covered.				
SCED Identification #	19102	Schedule calculation based on 60 calendar days of a 90-day semester. Scope and sequence allows for additional time for guest speakers, student presentations, field trips, remediation, or other content topics.			
All courses taught in an approved CTE program must include Essential Skills embedded into the course content. The Essential Skills Framework for this course can be found at https://www.cde.state.co.us/standardsandinstruction/essentialskills					
Instructional Unit Topic	Suggested Length of Instruction	CTE or Academic Standard Alignment	Competency / Performance Indicator	Outcome / Measurement	CTSO Integration
Career Development		Develop an education and career plan aligned with personal goals. Integrate multiple sources of career information from diverse formats to make informed career decisions,	Explore and engage in career development activities. Student is expected to: (A) investigate employment opportunities, including entrepreneurship and	Evaluate your performance in the barbering program of study and reflect on your demonstration of the following professional attributes: a. Attendance/punctuality b. Professional dress and behavior (<i>Professional image</i>)	Student ICAP

		<p>solve problems, and manage personal career plans.</p>	<p>shop ownership/management; (B) evaluate data or outcome of a broad range of personal care services; and (C) understand career pathways and training and licensing requirements for barbering professionals in Colorado.</p>	<p>c. Positive attitude d. Collaboration e. Honesty f. Respect g. Responsibility h. Appropriate technology use i. Importance of ergonomics</p> <p>Research codes of ethics for running small businesses by comparing samples from professional organizations such as the National or American Barbers Associations (NAOB and ABA). Synthesize principles and present your findings.</p> <p>Gather relevant information from multiple print and digital resources (such as job postings and promotional materials) to prepare a document or graphic comparing the entry-level qualifications for cosmetologists and specific cosmetology specialists. Evaluate the impact of postsecondary training and describe the benefits of participation in a professional cosmetology/barber organization, such as the</p>	
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				<p>Association of Cosmetology Salon Professionals (ACSP) or NAOB or ABA. Revise the career pathway plan outlining academic and career achievement goals and timeline to reflect opportunities for advancement in the field.</p> <p>Work in teams to effectively plan and design mock hair shows implementing proper safety techniques, tools, and skills needed to attract clients and employers. Research and identify the objective of the event that is to be planned and prepare a written project proposal. Include the hair show's goals, location, criteria, constraints, and information obtained through research, while also including a projected budget/cost analysis, a diagram of event space, timeline of planning, any personnel involved, and a professionalism rubric.</p>	
<p>Safety, Sanitation, and Efficient Work Practices (These standards may be embedded into the individual practice</p>		<p>Understand and apply safety, sanitation, and efficient work practices for cosmetology and barbering professionals.</p>	<p>Careers in barbering and cosmetology include all aspects of sterilization and sanitation procedures and personal care services, including</p>	<p>Identify personal and jobsite safety hazards and demonstrate practices for safe and healthy work environments. Accurately read, interpret, and</p>	

<p>areas or covered as a stand-alone unit)</p>		<p>Demonstrate health and safety procedures, regulations, and personal health practices and determine the meaning of symbols, key terms, and domain-specific words and phrases as related to the Beauty Industry workplace environment.</p> <p>Use health and safety practices for storing, cleaning, and maintaining tools, equipment, and supplies.</p>	<p>hair care, nail care, and skin care. Students will be expected to develop an understanding of the technical knowledge and skills needed for success in the personal care services industry including:</p> <p>(A) Demonstrate the development of procedures of a safe and healthy work environment;</p> <p>(B) Demonstrate safe handling and use of disinfectant products and tools;</p> <p>(C) Explain and/ or demonstrate providing all services in a safe environment, taking measures to prevent the spread of infections and contagious disease;</p> <p>(D) List the various types and classifications of bacteria;</p> <p>(E) Describe how bacteria grow and reproduce;</p>	<p>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. Be able to distinguish between rules and explain why certain rules apply.</p> <p>Define and differentiate possible emergencies and emergency procedures. Create a disaster and/or emergency response plan including real-life examples describing principles and practices of infection control and blood-borne pathogens as it applies to EPA, OSHA and Safety Data Sheets (SDS). Identify decontamination procedures to ensure the safety of the client and/or peers in the classroom and laboratory. Apply work-emergency teamwork procedures and social skills in following the rules for professional ethics and demonstrate a cultural awareness of hygiene and</p>	
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			<p>(F) Describe the relationship of bacteria to the spread of disease;</p> <p>(G) Define common diseases and disorders encountered by cosmetology professionals and provide brief overview of their pathology;</p> <p>(H) Explain and understand the importance of decontamination; and</p> <p>(I) Explain the difference between sanitation, disinfection, and sterilization.</p>	<p>socialized differences by using active listening skills.</p> <p>Demonstrate proper set-up and operation of equipment and utilization of materials by mixing chemicals in appropriate proportions according to manufacturer's instructions. Clean and maintain implements by using appropriately mixed chemicals and following the procedures for decontamination of tools. Identify appropriate chemicals and perform disinfecting procedures.</p> <p>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. Evaluate and demonstrate proper draping, shampooing and conditioning, and rinsing as it applies to safety or diagnosis of clients.</p> <p>Compile, practice, and critique procedures for</p>	
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				<p>maintaining a safe and sanitary environment for clients present in a cosmetology facility. Cite information for the Occupational Safety and Health Administration (OSHA) to identify precautionary guidelines to prevent illness, communicable diseases and injuries. Incorporate safety procedures and complete a safety test with 100 percent accuracy; include exam in course portfolio.</p>	
<p>Applied Academic Foundations for Cosmetology</p>		<p>Understand and apply scientific principles of human anatomy, physiology, and chemistry to cosmetology services.</p> <p>Analyze and apply appropriate academic standards required for successful industry sector pathway completion leading to postsecondary education and employment.</p>	<p>The student applies academic skills to the fields of barbering and cosmetology. The student is expected to:</p> <p>(A) explain the importance of anatomy and physiology to the barbering profession;</p> <p>(B) identify body tissue, body systems, and their functions;</p> <p>(C) explain the structure, composition, and growth of skin and hair;</p> <p>(D) apply the principles of organic and inorganic chemistry;</p>	<p>Using research and laboratory experiences, analyze the effects of water on shape memory and chemical bonds in the hair. Assess possible explanations for hair breakage during chemical applications to the hair and develop prevention methods. Include this material in an informational artifact to use while demonstrating chemical texture services.</p> <p>Compile a list of key questions used in evaluating clients' hair and formulating haircolor. Discuss the</p>	

			<p>(E) classify solutions, suspensions, and emulsions that may be used during cosmetology services;</p> <p>(F) apply an understanding of pH and the pH scale to cosmetology services;</p> <p>(G) explain the principles and practices of infection control, including bacterial disorders and diseases and viruses; and</p> <p>(H) explore the nature of electricity by defining types of electric current and the electric modalities used in cosmetology.</p>	<p>significance of each question and the outcome for each. Explain the importance of performing a patch test when coloring clients' hair, using the U.S. Food, Drug, and Cosmetic Act as reference.</p>	
<p>Personal and Employability Skills for Client Services</p>	<p>Demonstrate effective oral and written communication skills with diverse individuals, including coworkers, management, and customers.</p> <p>Understand and apply knowledge of business and employability skills required of barbering and cosmetology professionals.</p> <p>Acquire and accurately use beauty industry terminology</p>	<p>The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:</p> <p>(A) demonstrate professionalism in how to dress appropriately, speak politely, and conduct oneself in a manner appropriate for</p>	<p>SkillsUSA Career Essentials may be used as an assessment for these standards.</p> <p>Demonstrate and explain the rationale behind each of the following concepts:</p> <p>a. Determine the risks and benefits of using specific techniques in the evaluation of clients' hair including but not limited to: scalp care, shampooing, conditioning,</p>	<p>SkillsUSA Leadership Contests</p> <p>SkillsUSA 4 Pillars</p> <p>SkillsUSA Career Essentials</p>	

		<p>and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats.</p>	<p>the profession and work site; (B) employ the ability to be trustworthy by complying with an ethical course of action; (C) use conflict-management skills to avoid potential or perceived conflict; (D) demonstrate effective oral and written communication skills with diverse individuals, including coworkers, management, and customers; (E) develop skill in handling multiple tasks simultaneously such as prioritizing tasks, managing workflow under pressure, and completing work-related activities in a timely manner; (F) exercise personal ownership over the quantity and quality of individual performance and team assignment; and (G) employ leadership skills within a classroom or community setting to</p>	<p>draping, sectioning, and specialized treatments. b. Explain the purposeful decisions behind selection and maintenance of implements. c. Research informational texts explaining the effects of bad posture and body positions while providing client services. Create a brochure explaining the importance of demonstrating correct cosmetology posture and body positions; give examples of consequences of incorrect posture and body positions.</p> <p>Facials and Skin Care: Consider all pertinent information in performing facials including: consultation and skin analysis, contraindications that prohibit performing facial treatments, skin care products and equipment, and techniques in facial massage. Write an informative essay, explaining and making recommendations for performing facials for specific skin types, give thorough reasoning and explanation for the techniques, products,</p>	
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			maintain positive relationships.	and/or equipment used for each treatment. Include a section in the essay describing the requirements and skills needed for specialized facial and skin care careers.	
Client Services		<p>Demonstrate knowledge of practical barbering industry skills such as esthetics and skin care, shaving, haircutting or hairstyling.</p> <p>Understand and apply tools and techniques for basic barbering and cosmetology services.</p>	<p>The student demonstrates an understanding in the use of tools, equipment, technologies, and materials used in barbering. The student is expected to:</p> <p>(A) employ safe and effective use of tools to enhance client services;</p> <p>(B) use ergonomically designed equipment to promote professional efficiency;</p> <p>(C) use available technology sources effective in a professional salon or shop setting; and</p> <p>(D) apply universal precautions in disposal of hazardous materials.</p> <p>The student applies the academic knowledge and practical skills to simulated and actual work situations. The student is expected to:</p>	<p>Advanced Hair Services:</p> <p>Identify, describe, and effectively demonstrate advanced haircutting techniques while employing implements appropriately and using proper posture and body positions:</p> <ol style="list-style-type: none"> 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 <p>Effectively demonstrate advanced hairstyling techniques and explain how the elements and principles of design are incorporated.</p> <p>Research and create an informational artifact (e.g., brochure, fact sheet, or</p>	<p>SkillsUSA Contests: Barbering</p>

			<p>(A) apply client consultation skills to guide individuals in recognizing concerns and making informed decisions;</p> <p>(B) document client satisfaction, procedures, and products to facilitate ease of consultation in future appointments;</p> <p>(C) locate and compare vendors to maximize benefits for personal care clients, businesses, or organizations;</p> <p>(D) demonstrate understanding and proficiency of basic haircuts such as zero degree, forty-five degree, ninety degree, and one hundred eighty degree;</p> <p>(E) perform basic facial treatment and shave service as required for the state practical exam; and</p> <p>(F) execute shampooing, hair coloring and tinting, blow drying, styling, and chemical hair service as required for the state practical exam.</p>	<p>narrative) comparing and contrasting texturizing techniques. Include illustrative examples of haircuts enhanced with texturized techniques. Include details for the following implements used in texturizing:</p> <ol style="list-style-type: none"> a. Shears b. Razor c. Thinning shears and razor d. Thinning shears e. Free-hand slicing with razor on the ends <p>Advanced Techniques in Chemical Services:</p> <p>Demonstrate safe and effective concepts and procedures in chemical texture services to demonstrate the following while adhering to all safety processes:</p> <ol style="list-style-type: none"> a. Perm techniques b. Hair relaxing techniques c. Curl re-forming (soft curl permanents) <p>19.) Write a review of an effective haircolor consultation in which the cosmetologist establishes a</p>	
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				<p>relationship with the client, properly assesses the client’s hair, and analyzes the client’s history of his or her hair. Include details of how an effective haircolor consultation should proceed: making recommendations, review of procedures, application techniques, cost of services, and follow-up maintenance.</p> <p>Evaluate concepts related to haircoloring and demonstrate the following while adhering to all directions and safety procedures:</p> <ul style="list-style-type: none"> a. Temporary haircolor b. Semipermanent haircolor c. Demipermanent haircolor d. Single-Process Permanent Color e. Double-Process Permanent Color f. Lighteners g. Toners 	
<p>Laws, Rules, and Regulations (This section may be taught in any of the courses in the pathway sequence.)</p>		<p>Understand the laws, rules, and regulations established by Colorado State Statute and the Colorado Department of Regulatory Agencies pertaining to cosmetology professions.</p>	<p>The student demonstrates knowledge of rules and regulations established by the Colorado Department of Regulatory Agencies (DORA) Office of Barber</p>	<p>Research and summarize in a clear and coherent narrative the legislative and electoral processes of state governments as it relates to cosmetology actions using public documents, textbooks,</p>	

		<p>Practice professional, ethical, and legal behavior, responding thoughtfully to diverse perspectives and resolving contradictions when possible, consistent with applicable laws, regulations, and organizational norms.</p>	<p>and Cosmetology. The student is expected to:</p> <ul style="list-style-type: none"> (A) apply health and safety policies and procedures; (B) recognize risks and potentially hazardous situations in compliance with the state rules and regulations; (C) comply with all applicable rules, laws, and regulations; (D) navigate the DORA website for exam eligibility, exam procedures, and other information related to licensing; (E) identify licensure and renewal requirements of the licensee or licensed cosmetology establishment or school; and (F) explain the importance of personal integrity, confidentiality, and ethical behavior in the workplace. 	<p>or government websites. Identify your role as well as the role of public agencies in supporting elected officials to meet goals and objectives, and in endorsing approved legislation or participating in the public rule-making process.</p> <p>Gather research and analyze information from the Colorado Department of Regulatory Agencies (DORA) Office of Barber and Cosmetology Licensure. Generate a visual representation (e.g., chart, diagram, brochure, etc.) to illustrate important connections to the following:</p> <ul style="list-style-type: none"> a. Sanitation, disinfection, and safety laws: cleaning and disinfecting of implements and equipment, cleaning and disinfecting work environment, and sanitary procedures and pathogens b. Licensing, certification, and industry credentialing requirements c. Legal responsibilities, behaviors, and practices/procedures (ethical vs. unethical, legal vs. illegal) 	
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				<p>Assemble a list of professional and governing organizations that provide professional development for cosmetologists in Colorado. In a written narrative, describe the benefits of ongoing professional development including the state requirements in Colorado for cosmetology and barbering professions.</p>	
<p>Barber Shop Business Concepts</p>		<p>Investigate concepts in ownership and entrepreneurial enterprise for beauty industry businesses.</p>	<p>Student understands basic business operations and environments for beauty industry salons and shops. Student is expected to:</p> <p>(A) describe key components of the cosmetology business startup process and the entrepreneur environment;</p> <p>(B) evaluate the role of entrepreneurship in the U.S. economy, and differentiate between sole proprietorship, partnership, limited liability company (LLC), and corporations;</p>	<p>Describe key components of the beauty industry business startup process (the entrepreneur, the environment, the opportunity, startup resources, and state laws, regulations, and legal responsibilities). Prepare an informative text to explain each component and identify the risks and rewards, highlighting the advantages and disadvantages of owning a business versus working for someone else.</p> <p>Evaluate the role of entrepreneurship in the U.S. economy, and differentiate between sole proprietorship, partnership, limited liability</p>	

			<p>(C) explain the purpose of a business plan, and list the four major parts typically included (business description, management plan, marketing plan, and financial plan); and (D) explore ways that salons create positive business environments.</p>	<p>company (LLC), and corporations. Draw evidence from informational texts to examine how business cycles, economic indicators (i.e., interest rates, inflation, and unemployment) and free enterprise system characteristics such as profit motive, private property, and competition impact business decision making. Research, compare and contrast investment opportunities and compile a list of advantages and disadvantages of business ownership.</p> <p>Describe the importance of developing a business plan when seeking out potential investors or lenders. In preparation for a future career as a salon owner, develop an original business philosophy detailing one's beliefs for how a business should be run including a baseline budget and financial goals, money management concepts, procedures and strategies, and necessary personal characteristics of a successful entrepreneur; integrate this with the</p>	
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				<p>previous written philosophy of design.</p> <p>Research and examine startup costs, operating costs, overhead, and personal expenses by researching and developing a financial statement based on local salon models obtained from public records or business websites. Contact local lending institutions regarding requirements for business loans and needed documentation such as personal income statement, tax records, credit reports, loan history, and personal investment. Prepare financial statements, charts and graphs for the proposed business plan, including but not limited to:</p> <ol style="list-style-type: none"> a. Estimated start-up costs b. Projected Income Statement c. Projected Balance Sheet d. Cash Flow <p>Develop a customer profile with a detailed description of the potential target market for the proposed business</p>	
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				<p>based on demographic, geographic, psychographic, and behavioral information. Assess the viability of the profile for the proposed business by determining number of customers, reachability, desire for product and conservation of resources.</p> <p>Include these findings in the business plan's overview and market analysis section.</p> <p>Investigate marketing and distribution methods for the shop's products and services. Research possible manufacturers; study distribution considerations of the products and services, (including transportation, storage, handling, and packaging for products and staffing, training, and evaluation for services); Explain marketing decisions, such as cost-saving benefits to the business' bottom line. Prepare a sample service contract with a potential vendor for first year of business.</p>	