Texas CTE: Architecture and Construction

Interior Design II (2017)

Safe Application of Tools and Equipment & Workplace Regulations, Hazards, and Compliance 1

5 The student knows the function and application of the tools, equipment, technologies, and materials used in architectural interior design. The student is expected to: 1.5

- A use tools, materials, and equipment commonly employed in the field of architectural interior design in a safe manner; 1.5.A
- B demonstrate an understanding of how to properly handle and dispose of environmentally hazardous materials used in the field of architectural interior design in accordance with the material safety data sheet (MSDS), Occupational Safety and Health Administration (OSHA), and Environmental Protection Agency (EPA) regulations; and 1.5.B
- C demonstrate knowledge of new and emerging technologies that may affect the field of architectural interior design. 1.5.C

7 The student uses valid and reliable research strategies to determine current industry standards. The student is expected to: 1.7

- B research the Americans with Disabilities Act 1.7.B

Design Elements and Principles 2

4 The student knows the concepts and skills that form the core knowledge of architectural interior design. The student is expected to: 2.4

- A demonstrate knowledge of interior design theory; 2.4.A
- B apply layout and design lines, symbols, and drawings; 2.4.B
- C demonstrate knowledge of the theory and use of color in interior design; and 2.4.C
- D demonstrate knowledge of the principles of computer-aided drafting. 2.4.D

Green Architecture 3

7 The student uses valid and reliable research strategies to determine current industry standards. The student is expected to: 3.7

- A research and define green architecture as related to the field of interior design; 3.7.A
- C research the guidelines for kitchen and bath design as defined by The National Kitchen and Bath Industry (NKBA) 3.7.C
- G research an architectural project such as urban renewal, green architecture, or innovative design. 3.7.G

Fu Skip to main content **'he student uses valid and reliable research strategies to determine current**
Upholstery 4 **ıdustry standards. The student is expected to:** 4.7

D research traditional and period design styles of upholstery; 4.7.D

E research new and emerging technologies that may affect the field of furniture repair and upholstery services; and 4.7.E

F research the types, properties, and uses of paints, varnishes, polishes, and waxes; and 4.7.F

8 The student understands the concepts and skills that form the core knowledge of furniture repair and upholstery. The student is expected to: 4.8

A identify styles and periods of furniture; 4.8.A

B identify the various types and properties of woods; and 4.8.B

C identify different fabrics, materials, and finishes and their characteristics. 4.8.C

9 The student knows the function and application of the tools, equipment, technologies, and materials used in furniture repair and upholstery. The student is expected to: 4.9

A use tools, materials, and equipment commonly employed in the field of furniture repair and upholstery services; and 4.9.A

B handle and dispose of environmentally hazardous materials used in the field of furniture repair and upholstery. 4.9.B

10 The student applies the concepts and skills of furniture repair and upholstery to simulated and actual work situations. The student is expected to: 4.10

A apply the woodworking skills required for furniture finishing and repair; 4.10.A

B demonstrate knowledge of the types, properties, and uses of paints, varnishes, polishes, and waxes; 4.10.B

C disassemble and reassemble furniture; 4.10.C

D repair dents, marks, and scratches by using fillers and stains; 4.10.D

E perform the tasks of fabrication and repair and disassembly and reassembly such as tacking, nailing, gluing, measuring, layout, cutting, sewing, and fitting materials; 4.10.E

F apply materials to furniture such as filling, padding, springs, and fabric 4.10.F

Interior Design Planning 5

3 The student applies core academic skills to the requirements of architectural interior design. The student is expected to: 5.3

D read and interpret schematics, floor plans, work drawings, catalogs, manuals, and bulletins. 5.3.D

6 The student applies the concepts and skills of interior design to simulated and actual work situations. The student is expected to: 5.6

A apply architectural lettering techniques; 5.6.A

B render freehand nonresidential or residential interior design working drawings; 5.6.B

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C draw a single-line floor plan from design development techniques for a residential or nonresidential project; 5.6.C

D select interior furnishings and finish materials for a residence or a nonresidential office interior; 5.6.D

E prepare and draw dimension plans for construction documents; 5.6.E

F produce interior drawings using one-point and two-point perspective; 5.6.F

G develop and complete schematic design drawings; 5.6.G

H apply the essential knowledge and skills in architectural interior design to career preparation learning experiences, including job shadowing, mentoring, or apprenticeship training programs; 5.6.H

I create an original, sustainable design as it relates to interior design; 5.6.I

J customize screen menus in drawing programs; and 5.6.J

K apply industry-accepted, computer-aided drafting skills. 5.6.K

Interior Design Project 6

3 The student applies core academic skills to the requirements of architectural interior design. The student is expected to: 6.3

B complete work orders and related paperwork; 6.3.B

C estimate cost of supplies, materials, and labor; and 6.3.C

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10 The student applies the concepts and skills of furniture repair and upholstery to simulated and actual work situations. The student is expected to: 6.10

G use problem-solving skills to analyze a situation to identify a problem to be solved; 6.10.G

H break a complex problem into component parts that can be separately analyzed and solved; 6.10.H

I strive for accuracy and precision; 6.10.I

J work independently; 6.10.J

K work collaboratively; 6.10.K

L design and present an effective interior design product; and 6.10.L

M present a final interior design product for critique that demonstrates clear and effective communication. 6.10.M

Career Development 7

2 The student knows the employability characteristics of a successful worker in the modern workplace. The student is expected to: 7.2

A research employment opportunities, including internship, entrepreneurship, and preparation requirements, in the field of architectural interior design; 7.2.A

C research employers' expectations and appropriate work habits; 7.2.C

D apply the competencies related to resources, information, systems, and technology in appropriate settings and situations; 7.2.D

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E demonstrate knowledge of the concepts and skills related to health and safety in the workplace, as specified by appropriate governmental regulations; and 7.2.E

F maintain a project portfolio that documents interior design projects using a variety of multimedia techniques with a professional resume reflecting current trends. 7.2.F

Employability Skills 8

1 The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to: 8.1

A apply oral and written communication skills clearly, concisely, convincingly, and effectively to explain and justify actions in a socially acceptable manner that is easily understood by others; 8.1.A

B problem-solve using job-appropriate mathematical skills; 8.1.B

C demonstrate an understanding of leadership skills; 8.1.C

D cooperate, contribute, and collaborate as a member of a group; 8.1.D

E exhibit professionalism through dress, speech, and manners that are appropriate to the profession and worksite; 8.1.E

F review quantitative and qualitative work processes and end products; 8.1.F

G follow written and oral instructions and adhere to established practices, policies, and procedures, including health and safety rules; and 8.1.G

H use and apply job-appropriate computer applications for the given task such as printing and plotting elevations, floor plans, and additional presentation documents or illustrations. 8.1.H

2 The student knows the employability characteristics of a successful worker in the modern workplace. The student is expected to: 8.2

B demonstrate an understanding of group participation and leadership related to citizenship and career preparation 8.2.B

3 The student applies core academic skills to the requirements of architectural interior design. The student is expected to: 8.3

A demonstrate effective verbal and written communication skills with individuals from varied cultures, including fellow workers, managers, and customers 8.3.A