Texas CTE: Architecture and Construction

Interior Design I (2017)

Housing Industry 1

2 The student demonstrates effective decision-making skills related to housing needs throughout the life cycle. The student is expected to: 1.2

- B describe factors affecting housing choices; 1.2.B
- C describe the relationship between family housing and economics; 1.2.C
- D assess the impact of demographic trends on psychological, physiological, and social needs when making housing decisions; 1.2.D
- E analyze the impact of housing decisions on family relationships and the management of multiple family, community, and wage-earner roles; 1.2.E
- F analyze aspects of community planning that impact housing decisions; and 1.2.F
- G compare the availability, desirability, and financial feasibility of housing alternatives. 1.2.G

7 The student evaluates factors influencing the housing industry. The student is expected to: 1.7

- A research and describe the interrelationship of the housing industry with the economy 1.7.A

Introduction to Architecture and Construction 2

2 The student demonstrates effective decision-making skills related to housing needs throughout the life cycle. The student is expected to: 2.2

- A determine housing characteristics common to various world cultures and regions such as roof styles and materials, foundation types, and construction materials; 2.2.A

6 The student considers factors affecting housing construction when making plans and consumer decisions related to housing. The student is expected to: 2.6

- A identify architectural styles and architectural features exemplified in housing; 2.6.A
- B summarize considerations for housing site selection; 2.6.B
- C evaluate basic housing construction and finishing considerations; and 2.6.C
- D research and describe the effects of technology on current and future housing trends. 2.6.D

7 The student evaluates factors influencing the housing industry. The student is expected to: 2.7

- B determine sources and availability of construction materials. 2.7.B

Skip to main content

8 **The student assesses environmental issues affecting housing. The student is expected to:** 2.8

A evaluate the effects of landscaping on housing and the environment; and 2.8.A

N determine techniques, materials, and technological applications that can be used in housing to conserve energy and other resources and promote sustainability. 2.8.B

Consumer Skills for Housing Needs 3

3 **The student demonstrates effective management practices related to the housing budget. The student is expected to:** 3.3

A research consumer rights and responsibilities associated with housing; 3.3.A

B contrast the impact of needs and wants on the costs of housing; 3.3.B

C analyze legal and financial aspects of purchasing, leasing, and renting housing; and 3.3.C

D summarize laws and public policies that impact housing decisions and costs. 3.3.D

Safe, Secure, and Well-Maintained Home 4

4 **The student recommends practices that will create a safe, secure, and well-maintained home. The student is expected to:** 4.4

A research the effect of housing conditions on health, safety, and the environment; 4.4.A

B develop a plan for detecting safety hazards and maintaining a safe home; and 4.4.B

C research and describe housing features for individuals with special needs. 4.4.C

Design Elements and Principles 5

5 **The student proposes methods to create quality living environments. The student is expected to:** 5.5

A apply elements and principles of design to living environments; 5.5.A

B apply principles of space utilization, zoning, and traffic patterns in planning and furnishing housing; and 5.5.B

C propose design and furnishings features to meet the special needs of individuals and families. 5.5.C

9 **The student uses effective design practices to evaluate residential and nonresidential interiors. The student is expected to:** 5.9

A apply elements and principles of design to interiors; 5.9.A

B plan for effective use of space zones and placement of furnishings; 5.9.B

C apply drafting techniques, including scaled drawings that facilitate space planning and technological applications; 5.9.C

D determine the effect of technological applications on interior design practices; 5.9.D

Skip to main content

E differentiate design practices to meet individual, business, and special needs; 5.9.E

F research energy conservation and sustainability practices that affect interior design; and 5.9.F

G summarize laws, public policies, and regulations impacting interior environments. 5.9.G

Decision Making Principles 6

12 The student demonstrates effective decision-making skills in applying principles of design and space to residential and nonresidential interior environments. The student is expected to: 6.12

A examine the relationship of interior decisions to individual and family needs and wants; 6.12.A

B examine the influences of demographics, society, and culture on interior design decisions; 6.12.B

C explain the relationship of local and global economics to interior environments; 6.12.C

D propose strategies for controlling costs and allocating resources; and 6.12.D

E budget for acquisition of products to enhance interior environments. 6.12.E

Lighting 7

10 The student determines appropriate lighting for residential and nonresidential interiors. The student is expected to: 7.10

A analyze the functions and principles of lighting; 7.10.A

B compare lighting types and methods of control; and 7.10.B

C recommend lighting applications for specific interior needs, including safety, conservation, and sustainability. 7.10.C

Background Materials 8

11 The student chooses appropriate background materials to complement various residential and nonresidential interior settings. The student is expected to: 8.11

A compare criteria for selection, use, and care of floor coverings; 8.11.A

B evaluate selection, use, and care of wall treatments; 8.11.B

C evaluate selection and care of ceilings; and 8.11.C

D evaluate selection, use, and care of window treatments and their suitability for various window types. 8.11.D

Furniture 9

13 The student evaluates the role of furniture in interior design for residential and nonresidential settings. The student is expected to: 9.13

A distinguish between various characteristics of period styles throughout history; 9.13.A

B determine the influence of period styles on interior design throughout history; 9.13.B

Skip to main content

C summarize selection and care of quality furniture; 9.13.C

D assess aesthetic and functional aspects of furniture, including ergonomics and special needs requirements; and 9.13.D

E research and describe the impact of technology on furniture, including current trends. 9.13.E

Appliances 10

14 The student determines the role of appliances in interior design for residential and nonresidential settings. The student is expected to: 10.14

A analyze the functional and aesthetic aspects of appliances; 10.14.A

B determine the process for selection of appliances, including consideration of special needs; 10.14.B

C research and explain the safe use and care of appliances, including current trends; and 10.14.C

D research technological advancements in appliances. 10.14.D

Accessories 11

15 The student evaluates the role of accessories in interior design for residential and nonresidential settings. The student is expected to: 11.15

A identify types of accessories, including eco-friendly accessories; 11.15.A

B describe criteria for selection of accessories; 11.15.B

C analyze care of accessories; 11.15.C

D demonstrate a knowledge of arranging accessories; and 11.15.D

E research eco-friendly options for accessories. 11.15.E

Interior Design Planning 12

16 The student applies the concepts and skills of the industry to simulated work situations. The student is expected to: 12.16

A customize screen menus to fit specific problems or needs; 12.16.A

B construct points, lines, and other geometric forms using accepted computer-aided design methods; 12.16.B

C create a freehand, simple one-point perspective; 12.16.C

D use applications to create a bill of materials, including budgeting considerations; 12.16.D

E use technological applications to create and modify architectural interior drawings; and 12.16.E

F print and plot architectural interior drawings for presentation. 12.16.F

Interior Design Project 13

19 The student applies the concepts and skills of the profession to simulated or actual work situations. The student is expected to: 13.19

A use problem-solving skills to analyze a situation and to identify a problem to be solved; 13.19.A

Skip to main content

B break a complex problem into component parts that can be analyzed and solved separately; 13.19.B

C strive for accuracy and precision; 13.19.C

D work independently; 13.19.D

E work collaboratively; 13.19.E

F research an interior design project; 13.19.F

G design and present an effective interior design product; and 13.19.G

H present a final interior design product for critique that demonstrates clear and effective communication. 13.19.H

Interior Design Portfolio 14

17 The student creates a professional portfolio featuring original projects using a variety of media. The student is expected to: 14.17

A illustrate ideas for interior design from direct observation, experiences, and imagination; 14.17.A

B compare and contrast the use of interior design elements and principles in personal design plans and design plans of others using industry terminology; 14.17.B

C create visual solutions by elaborating on direct observation, experience, and imagination; 14.17.C

D create designs for practical applications; and 14.17.D

E demonstrate effective use of interior design media and tools in designing, drawing, painting, printmaking, and sculpture making such as model building. 14.17.E

Career Development 15

18 The student maintains a professional portfolio to document knowledge, skills, and abilities. The student is expected to: 15.18

A select educational and work history highlights to create a personal resume; 15.18.A

B develop a resume using word processing technology; 15.18.B

C contact professional references to acquire recommendations; 15.18.C

D obtain appropriate letters of recommendation; and 15.18.D

E document and maintain a record of work experiences, licenses, certifications, credentials, and education and training to build a portfolio. 15.18.E

Employability Skills 16

1 The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to: 16.1

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; 16.1.A

B solve problems using job-appropriate mathematical skills; 16.1.B

Skip to main content

C demonstrate an understanding of leadership skills; 16.1.C

D cooperate, contribute, and collaborate as a member of a group; 16.1.D

E exhibit professionalism through dress, speech, and manners that are appropriate to the profession and worksite; 16.1.E

F review accurately both quantitative and qualitative work processes and end products; 16.1.F

G follow written and oral instructions and adhere to established practices, policies, and procedures, including health and safety rules; and 16.1.G

H use and apply task- and job-appropriate computer applications such as printing and plotting elevations, floor plans, and additional presentation documents or illustrations. 16.1.H