

Florida Department of Education  
Curriculum Framework

**Program Title:** Interior Design Technology  
**Career Cluster:** Arts, A/V Technology and Communication

AS	
CIP Number	1450040801
Program Type	College Credit
Standard Length	75 credit hours
CTSO	Collegiate DECA
SOC Codes (all applicable)	27-1029 – Designers, All Other
CTE Program Resources	<a href="http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml">http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml</a>

**Purpose**

The primary purpose of this program is to prepare students for initial employment in the interior design, architecture or construction industry leading to state licensing and registration as an interior designer. Interior designers are required by the Florida Department of Business and Professional Regulation, Board of Architecture and Interior Design to have a combination of six years of education and work experience and National Council for Interior Design Qualification (NCIDQ) Certification. Other occupations relevant to this program include careers as a kitchen designer, bath designer, color consultant, display manager, buyer, merchandise displayer, sales associate, manufacturer sales representative, drafting technician, space planner, and construction/housing specifications writer. This program may also be used to provide supplemental or required training for persons previously or currently employed in these related occupations.

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 Arts, A/V Technology and Communication 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 Arts, A/V Technology and Communication career cluster.

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

**Program Structure**

This program is a planned sequence of instruction consisting of 75 credit hours.

## **Standards**

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

- 01.0 Identify and apply elements and principles of design to interior spaces.
- 02.0 Describe the interrelationship between humans and their interior environments.
- 03.0 Plan for space utilization and development according to identified functions (programming and diagramming).
- 04.0 Select and arrange furniture, fixtures, fabrics, equipment, and accessories.
- 05.0 Identify the appropriate uses and functions of materials.
- 06.0 Identify, research, and specify interior design materials and resources.
- 07.0 Research and specify appropriate interior lighting options.
- 08.0 Identify interior methods and systems in building construction.
- 09.0 Identify interior building codes, regulations, and legislation pertaining to residential and non-residential spaces.
- 10.0 Communicate design projects through graphic techniques and visual/oral presentation skills.
- 11.0 Demonstrate employability skills and identify job and career opportunities.
- 12.0 Identify professional business organization and development procedures and/or systems.
- 13.0 Recognize, identify, and/or analyze historical, cultural, and societal influences on structures, interiors, and furnishings.
- 14.0 Analyze and apply the concepts of adaptive reuse, renovation, restoration, and/or the historic preservation of existing structures.
- 15.0 Incorporate evaluation, space planning, layout, workflow, and design into a project.
- 16.0 Identify the categories (high, medium, low) involved in the calculation of a budget estimate for an interior design project.
- 17.0 Learn the process of manually and/or electronically preparing a complete set of working construction drawings for a building.
- 18.0 Identify the importance of acoustics to habitable spaces.
- 19.0 Create a Life Safety Plan.
- 20.0 Design safe and universally accessible spaces.
- 21.0 Identify the elements of a basic agreement between the designer and the client; identify services and responsibilities.
- 22.0 Demonstrate knowledge of computer skills.
- 23.0 Identify, research, and design sustainable interiors.
- 24.0 Develop and maintain a professional portfolio.
- 25.0 Participate in an internship.

Florida Department of Education  
Student Performance Standards

Program Title: Interior Design Technology  
 CIP Number: 1450040801  
 Program Length: 75 credit hours  
 SOC Code(s): 27-1029

<b>The AS degree requires the inclusion of a minimum of 15 credits of general education coursework according to SACS, and it must be transferable according to Rule 6A-14.030 (2), F.A.C. At the completion of this program, the student will be able to:</b>	
01.0	Identify and apply elements and principles of design to interior spaces – the student will be able to:
01.01	Evaluate aspects of color schemes in relation to interior design.
01.02	Describe the color wheel.
01.03	Explain the psychological effects of color on space and human interaction.
01.04	Demonstrate the primary elements of design (point, line, plane, volume) and the role of these elements in interior design and architecture.
01.05	Describe and demonstrate the function of the visible spectrum and pigmentation as inherent properties of design materials and their impact on color perception.
01.06	Describe and demonstrate knowledge of the three dimensions of color.
01.07	Identify common comprehensive color systems used by designers for the description and specification of color.
01.08	Apply knowledge of the results and effects of color interaction in design.
01.09	Identify and apply the categories of material and surface texture to interior needs and functions; determine how they affect the perception of color in interiors spaces.
01.10	Identify and demonstrate the role of light on perception of surface texture in design projects and how light affects the perception of color in interior spaces.
01.11	Identify, describe, and apply the principles of design and design elements to the function (use of the interior space) and aesthetics of design.
02.0	Describe the interrelationship between humans and their interior environments – the student will be able to:
02.01	Identify personal and group needs that influence the use of each occupied space, including those of persons with special needs.
02.02	Identify, describe, and apply the principles of evidence-based design.
02.03	Demonstrate an understanding of the Americans with Disabilities Act and how it affects the interior environment.

02.04	Demonstrate an understanding of specialized design needs.
02.05	Illustrate the principles of ergonomics and anthropometrics.
02.06	Identify responses to the psychological, physical, and social needs of people using interior spaces (e.g., territoriality, personalization, group interaction).
03.0	Plan for space utilization and development according to identified functions (programming and diagramming) – the student will be able to:
03.01	Identify, describe, and demonstrate the established functional and aesthetic goals and objectives that direct the programming process.
03.02	Demonstrate an understanding of diverse client needs.
03.03	Identify, define, and apply known methods of collecting information.
03.04	Create and interpret a design matrix and other schematic processes.
03.05	Define and/or illustrate bubble diagrams and block planning.
03.06	Describe spatial adjacency, utilization, circulation, light, and function.
03.07	Identify and apply the required adjacency and spatial considerations in interior spaces.
03.08	Identify and apply the requirements of good traffic circulation.
03.09	Verify appropriate allocations of space according to programmatic needs.
03.10	Sketch preliminary layouts.
03.11	Identify the differences between the form and usage of public and private spaces.
04.0	Select and arrange furniture, fixtures, fabrics, equipment, and accessories – the student will be able to:
04.01	Analyze the criteria for the selection and arrangement of furnishings for the client.
04.02	Develop a furniture arrangement and traffic plan.
04.03	Select bathroom and kitchen fixtures.
04.04	Select kitchen and bath cabinets for an interior design plan.
04.05	Identify and compare the different fabrics available and recognize characteristics such as durability, texture, comfort, and end use.
04.06	Identify precedents in the use of furnishings.
05.0	Identify the appropriate uses and functions of materials – the student will be able to:

05.01	Identify and analyze flooring materials and determine the advantages and disadvantages of each type.
05.02	Analyze the characteristics of fibers and the construction of various types of floor coverings and interior fabrics.
05.03	Identify various ceiling treatments.
05.04	Identify and categorize types of wall coverings.
05.05	Identify and describe the types and functions of windows.
05.06	Identify and describe the different types of window coverings.
05.07	Demonstrate the ability to calculate the quantity needed for flooring, window treatments, and wall coverings.
05.08	Consider maintenance and/or recycling requirements when specifying materials.
06.0	Identify, research, and specify interior design materials and resources – the student will be able to:
06.01	Identify manufacturers of lighting, architectural treatments, and accessories.
06.02	Identify resources for recyclable materials.
06.03	Demonstrate an understanding of the differences in quality of design materials.
06.04	Identify and describe aspects of interior materials and installation methods that have the potential to impact the health, safety, and welfare of residential and/or commercial clientele.
06.05	Identify and describe the roles manufacturers' representatives, contractors, and other resource specialists play in assisting the designer and client in the appropriate selection, design, specification, and installation of materials and finishes for design projects.
06.06	Identify and describe the roles testing standards, agencies, and ratings have on the designer's selection and the specification of materials and products to protect the health, safety, and welfare of the client and the public.
07.0	Research and specify appropriate interior lighting – the student will be able to:
07.01	Identify lighting requirements.
07.02	Relate lighting options and the selection of lighting fixtures to interior design.
07.03	Identify appropriate lighting fixtures for efficient and effective performance in residential and/or commercial interior design projects.
07.04	Identify and describe human responses to light contrast.
07.05	Identify and describe the effects of contrast and diffusion on interior spaces.
07.06	Describe the impact (positive and negative) of daylight on interiors.
07.07	Describe the various means of controlling daylight impact on interiors.

07.08	Identify and describe lighting needs for clients with special needs.
07.09	Identify and define the characteristics and sources of man-made light.
07.10	Identify and describe the color characteristics of artificial lighting.
07.11	Identify and apply sustainable/green design concerns and other economic issues related to lighting design (e.g., initial costs, maintenance, replacement).
07.12	Identify, describe, and apply knowledge of both architectural and portable lighting.
07.13	Apply knowledge of appropriate fixture placement and location to interior design projects.
07.14	Identify, describe, and apply the appropriate placement and selection of light switches.
07.15	Identify and describe the codes and regulations that impact lighting design as related to health, safety and welfare requirements.
08.0	Identify interior methods and systems in building construction – the student will be able to:
08.01	Identify methods and techniques of construction.
08.02	Read basic plans.
08.03	Describe the advantages of applying green design considerations to construction decisions.
08.04	Identify the different materials and assemblies employed in the construction of partitions, walls, and ceilings for residential and commercial application.
08.05	Identify the types of millwork, woods, veneers and finishes available.
08.06	Identify and describe the appropriate cuts of lumber and timber for construction or millwork application.
08.07	Identify the appropriate installation systems for wall paneling and acoustical ceilings.
09.0	Identify interior building codes, regulations, and legislation pertaining to residential and non-residential spaces – the student will be able to:
09.01	Identify residential and non-residential local, state, and national building codes.
09.02	Identify legislation regarding barrier-free environment.
09.03	Identify regulations concerning health and safety codes.
09.04	Cite labeling techniques identifying products that meet flammability standards required by fire code.
09.05	Identify the different requirements based on type of occupancy and type of construction.
09.06	Describe the material ratings and resistance of materials to fire.

09.07	Identify ADA requirements relative to the design of interior spaces.
09.08	Identify residential building codes.
10.0	Communicate design concepts through visual and oral presentation skills – the student will be able to:
10.01	Use sketching techniques, drafting equipment, and/or computer programs to communicate interior design projects.
10.02	Demonstrate the use and care of equipment.
10.03	Demonstrate neatness and accuracy.
10.04	Execute line work by hand and/or by CAD.
10.05	Illustrate graphic notations and scale in a hand-drawing or CAD drawing.
10.06	Demonstrate overlapping techniques.
10.07	Explain detail drawings.
10.08	Illustrate shade and shadow from natural light sources by hand-drawing and/or CAD drawing.
10.09	Apply methods and techniques for two-dimensional and three-dimensional illustrations.
10.10	Apply the methods and techniques of one-point perspective drawing and two-point perspective drawing.
10.11	Create, analyze, and evaluate oral and graphic techniques for oral and visual presentations.
10.12	Demonstrate layout techniques for presentations by applying the principles of design.
10.13	Use lettering techniques and font selection for presentations.
10.14	Use graphic design and presentation skills to compile and review a portfolio (printed and/or digital).
11.0	Demonstrate employability skills and identify job and career opportunities – the student will be able to:
11.01	Conduct a job search.
11.02	Secure information concerning a job.
11.03	Identify documents that may be required to apply for a job.
11.04	Demonstrate job interview techniques.
11.05	Identify or demonstrate appropriate responses to criticism from an employer, supervisor, coworker, or customer.

11.06	Identify and/or demonstrate acceptable work habits.
11.07	Demonstrate acceptable employee health habits.
11.08	Demonstrate customer relations skills.
11.09	Evaluate sources of employment information.
11.10	Identify post-A.S. degree options (e.g., 4-year degrees, licensing/NCIDQ, certifications, LEED, CAPS).
11.11	Identify job and career opportunities in the interior design industry.
12.0	Identify professional business organization and development procedures and/or systems – the student will be able to:
12.01	Identify interior design industry-related professional organizations.
12.02	Analyze the business practices and procedures necessary for the operation of an interior design business.
12.03	Recognize the legal and business terms used in the field of interior design.
12.04	Describe the legal considerations and forms necessary to the practice of interior design.
12.05	Describe the procedures used in current interior design work experience.
12.06	Identify considerations for selecting the location of a business.
12.07	Describe the organizational structure of an interior design firm.
12.08	Identify the principles of record keeping (e.g., proposals, invoices, billable hours, markups).
12.09	Identify types of contracts utilized by an interior design firm.
12.10	Cite the licensing requirements needed to operate a business.
12.11	Identify the methods or techniques of supply procurement.
12.12	Demonstrate an understanding of the code of ethics for professional designers as prepared by industry-related professional organizations.
12.13	Demonstrate an understanding of licensing requirements.
12.14	Demonstrate an understanding of the uses of social media as a marketing tool for the interior design field.
13.0	Recognize, identify, and/or analyze historical, cultural, and societal influences on structures, interiors, and furnishings – the student will be able to:
13.01	Identify and analyze the characteristics of historic design in relation to the history of interiors.

13.02	Identify, recognize, compare, and describe different movements and historical periods in the evolution of architecture and interior design (e.g., Roman and Greek influences, styles of Middle Ages, the effects of the Italian Renaissance and the French Renaissance, Spanish and Islamic influences, English/British influences).
13.03	Analyze the work of contemporary architects, interior designers, and furniture designers.
13.04	Apply knowledge and appropriate synthesis of design forms with furnishings, finishes, and materials in interior design projects.
13.05	Describe how architecture, furniture, and decorative arts relate to interior design throughout history.
14.0	Analyze and apply the concepts of adaptive reuse, renovation, restoration, and/or the historic preservation of existing structures – the student will be able to:
14.01	Describe the significant issues and fundamentals of adaptive reuse, renovation, restoration, and historic preservation.
14.02	Compare adaptive reuse, renovation, restoration, and historic preservation options.
14.03	Identify sources for researching historical period data.
15.0	Incorporate evaluation, space planning, layout, workflow, and design into a project – the student will be able to:
15.01	Develop a plan for the implementation of design concepts into a design project.
15.02	Apply design methods and techniques to a project in residential interior design.
15.03	Apply design methods and techniques to a project in nonresidential interior design.
15.04	Understand and apply programming sequences in a design product.
15.05	Demonstrate an understanding of design development stages by completing a design project.
15.06	Identify the purpose and content of a post-occupancy evaluation.
15.07	Define a schedule for installations.
15.08	Research catalog price lists and understand the importance of preparing order forms.
15.09	Prepare furniture, fixtures, and equipment specifications for a project.
15.10	Describe finish schedules/plans.
16.0	Identify the categories (high, medium, low) involved in the calculation of a budget estimate for an interior design project – the student will be able to:
16.01	Describe the categories of materials, furnishings, equipment, overhead, and services to be provided.
16.02	Identify different methods available to estimate the cost of a project.

16.03	Develop and prepare a budget for a project.
17.0	Learn the process of manually and/or electronically preparing a complete set of working construction drawings for a building – the student will be able to:
17.01	Organize a construction package according to content categories.
17.02	Coordinate documents from different parties involved in the process of compiling construction drawings.
17.03	Utilize standard graphics and symbols.
17.04	Specify millwork and special features.
18.0	Identify the importance of acoustics on habitable spaces – the student will be able to:
18.01	Identify, describe, and/or apply the basic principles, concepts, and qualities of sound as they affect human perception.
18.02	Demonstrate an understanding of sound transmission and levels.
18.03	Identify and/or apply the fundamentals of sound absorption to evaluate the means that might be employed to control the acoustic quality of a space.
18.04	Demonstrate an understanding of and/or apply the knowledge of spatial organization and surface treatments for walls, ceilings, and finishes to achieve desired results in sound balance and comfort in an interior.
19.0	Create a Life Safety Plan – the student will be able to:
19.01	Calculate the occupancy load of a space and the required number of exits.
19.02	Describe the appropriate exit sizes, travel distances, and location of exits within a room or corridor.
19.03	Choose appropriate door types for access and egress.
19.04	Locate stairways to meet fire-safety requirements.
19.05	Identify the differences between residential and commercial access and egress requirements.
20.0	Design safe and universally accessible spaces – the student will be able to:
20.01	Identify the use of ramps and automated systems designed to accommodate persons with disabilities.
20.02	Demonstrate an understanding of the anthropometrics and ergonomics of a disabled person to aid in the selection of fixtures, floor surfaces, and bathroom layouts.
20.03	Implement the principles of Uniform Standards for Universal Design.
20.04	Describe and implement Aging in Place methodology.
21.0	Identify the elements of a basic agreement between the designer and the client; identify services and responsibilities – the student will be able to:

21.01	Describe the scope of basic interior design services.
21.02	Outline the mutual responsibilities of the owner and the designer.
22.0	Demonstrate knowledge of computer skills – the student will be able to:
22.01	Demonstrate knowledge of CAD and/or other comparable programs utilized in the industry.
22.02	Demonstrate knowledge of 2D and 3D computer drawing and graphics software.
22.03	Identify and research interior design sources on the Internet.
22.04	Demonstrate proficiency in printing and/or drawing to scale.
22.05	Input, manipulate, and export computer images using a variety of software programs and/or Internet resources.
22.06	Demonstrate design solutions and support information using various software programs.
23.0	Identify, research, and design sustainable interiors – the student will be able to:
23.01	Recognize, define, and understand the concepts and terminology of green/sustainable design and energy and water conservation.
23.02	Describe the differences between sustainable and green design.
23.03	Describe and apply the practice of Environmentally Responsible Interior Design (ERID).
23.04	Demonstrate the ability to identify, research, and use sustainable materials in interior design.
23.05	Identify the governing organizations associated with sustainable design.
23.06	Evaluate the cost of green/sustainable design; consider initial and long-term costs.
23.07	Recognize the concepts associated with sustainable design.
23.08	Define the terminology associated with sustainable design.
23.09	Identify appropriate sustainable design resources.
23.10	Identify the costs and requirements of sustainable design.
23.11	Identify the principles of sustainable lighting, acoustics, thermal comfort, and indoor air quality to enhance the health, safety, welfare, and performance of occupants.
23.12	Demonstrate an understanding of the concepts, principles, and theories of sustainability as they pertain to building methods, materials, systems, and occupants.
23.13	Identify sustainable interior construction and building systems.

23.14	Demonstrate an understanding of daylight, energy efficient luminaries, and alternative energy sources.
24.0	Develop and maintain a professional portfolio – the student will be able to:
24.01	Develop a professional portfolio (traditional and digital) that contains samples of work; maintain the portfolio.
25.02	Create a résumé and include in the portfolio.
26.0	Participate in an internship – the student will be able to:
26.01	Establish achievable goals related to an internship.

## **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)**

Collegiate DECA - Delta Epsilon Chi is the intercurricular career and technical student organization(s) 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.

### **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.

### **Certificate Programs**

A College Credit Certificate consists of a program of instruction of less than sixty (60) credits of college-level courses, which is part of an AS or AAS degree program and prepares students for entry into employment (Rule 6A-14.030, F.A.C.). This AS degree program includes the following College Credit Certificates:

Kitchen and Bath Specialization (0450040805) - 39 credit hours  
Home Staging Specialist (0450040807) - 12 credit hours

Standards for the above certificate programs are contained in separate curriculum frameworks.

### **Additional Resources**

For additional information regarding articulation agreements, Bright Futures Scholarships, Fine Arts/Practical Arts Credit and Equivalent Mathematics and Equally Rigorous Science Courses please refer to:

<http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.shtml>