CORRELATION of **Florida Building Trades and Construction Design Technology I** to Principles of Residential Construction ©2026

Standards/Objectives/Indicators	Textbook Pages
01.0 Demonstrate safety practices and follow disaster plans. The student will be able to:	
01.01 Observe and comply with all applicable company and organizational safety policies and Occupational Safety and Health Administration (OSHA) rules and regulations.	**Instruction:** p. 34–38, Occupational Safety and Health Administration (OSHA) p. 107–111, Focus Four Hazards **Application:** p. 41, Lesson 1.6 Review #2–5 p. 62, Apply and Analyze #4 p. 133, Communicating about Construction #3
01.02 Be able to demonstrate the purpose of Safety Data Sheets (SDS), formerly known as Material Safety Data Sheets (MSDS), and follow the procedures as necessary.	**Instruction:** p. 480–481, Hazard Communication **Application:** p. 482, Lesson 8.6 Review #4 p. 494, Communicating about Construction #3
01.03 Identify health-related problems that may result from exposure to work-related chemicals and hazardous materials and demonstrate knowledge of the proper precautions required for handling such materials. (Refer to Safety Data Sheets.)	**Instruction:** p. 478–481, Health Hazards **Application:** p. 482, Lesson 8.6 Review #1–5 p. 493, Apply and Analyze #7 p. 494, Communicating about Construction #3
01.04 Discuss, analyze and discuss the "Right-to-Know" law, such as with chemical or health hazards, as recorded in (29 CFR-19**10.12**00).	**Instruction:** p. 480–481, Hazard Communication **Application:** p. 494, Communicating about Construction #3
01.05 Identify and demonstrate the use of safety equipment such as fall arrest systems, fire extinguishers, scaffolds and ladders.	**Instruction:** p. 236–238, Personal Fall Arrest Systems p. 238–240, Working Safely with Ladders p.426–428, Fire Protection **Application:** p. 242, Lesson 4.6 Review #2, 5, 6 p. 259, Apply and Analyze #7 p. 428, Lesson 7.6 Review #1–5
01.06 Identify, interpret and follow disaster plans.	**Instruction:**

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	p. 522–523, Emergency Action Plan **Application:** p. 523, Lesson 9.6 Review #1–5
01.07 Describe and demonstrate appropriate safety attitudes and behaviors in the shop and on the job in the construction industry.	**Instruction:** p. 34, Keeping the Work Environment Safe p. 176–177, Working on Construction Sites **Application:** p. 41, Lesson 1.6 Review #1 p. 62, Critical Thinking #3 p. 184, Lesson 3.6 Review #1–2
01.08 Describe and demonstrate the appropriate safe use and maintenance of portable and stationary power equipment in the shop and on the job in construction industry.	**Instruction:** p. 21, Construction Tools p. 29–33, Power Tools p. 38–40, Basic Tool Safety **Application:** p. 41, Lesson 1.6 Review #6–7 p. 63, Communicating about Construction #2
01.09 Describe personal and jobsite safety rules and regulations that maintain safe and healthy work environments.	**Instruction:** p. 34, Keeping the Work Environment Safe p. 34–38, Occupational Safety and Health Administration (OSHA) p. 176–177, Working on Construction Sites p. 179–184, Personal Protective Equipment (PPE) **Application:** p. 41, Lesson 1.6 Review #1–7 p. 184, Lesson 3.6 Review #1–5
01.10 Explain and demonstrate emergency procedures to follow in response to workplace accidents.	**Instruction:** p. 522–523, Emergency Action Plan **Application:** p. 523, Lesson 9.6 Review #1–5
01.11 Create a disaster and/or emergency response plan for a specific instance (earthquake, hurricane, tornado, etc.).	**Instruction:** p. 522–523, Emergency Action Plan **Application:** p. 523, Lesson 9.6 Review #1–5 p. 547, Apply and Analyze #7
02.0 Identify and use basic hand tools. The student will be able to:	

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02.01 Select and utilize appropriate hand tools typically used in the construction industry for specific tasks in accordance with safety guidelines and standard practice.	**Instruction:** p. 26–29, Hand Tools p. 38–40, Basic Tool Safety **Application:** p. 33, Lesson 1.5 Review #1–5 p. 41, Lesson 1.6 Review #6 p. 63, Communicating about Construction #2
03.0 Identify power tools and describe their proper operation. The student will be able to:	
03.01 Select and utilize appropriate power tools and equipment for specific tasks in accordance with safety guidelines.	**Instruction:** p. 21, Construction Tools p. 29–33, Power Tools p. 38–40, Basic Tool Safety **Application:** p. 41, Lesson 1.6 Review #6–7 p. 63, Communicating about Construction #2
04.0 Discuss, identify, classify and present construction components, materials, hardware and characteristics. The student will be able to:	
04.01 Discuss, identify and present the various components, materials and hardware used in residential construction applications.	**Instruction:** p. 153–165, Lesson 3.4 Materials and Fasteners p. 218–230, Lesson 4.4 Materials and Fasteners **Application:** p. 165, Lesson 3.4 Review #1–5 p. 205, Communicating about Construction #3 p. 230, Lesson 4.4 Review #1–8
04.02 Discuss, identify and present the various components, materials and hardware used in commercial construction applications.	**Instruction:** p. 545–546, Lesson 9.9 **Development of Residential Materials and Building Systems** **Application:** p. 546, Lesson 9.9 Review #5 p. 549, Communicating about Construction #4
04.03 Discuss, identify and present the various components, materials and hardware used in industrial construction applications.	**Instruction:** p. 545–546, Lesson 9.9 **Development of Residential Materials and Building Systems** **Application:** p. 546, Lesson 9.9 Review #5 p. 549, Communicating about Construction #4

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04.04 Discuss and present preplanning and procedural steps to accomplish various projects large and small both in the lab and on the job site with attention to building codes, standard practice and acceptable techniques.	**Instruction:** p. 10–11, Construction Terminology and Building Projects p. 11, Administration and Planning p. 138–140, Building Codes p. 140, Building Permits p. 213–215, Best Practices **Application:** p. 143, Lesson 3.2 Review #1–4 p. 215, Lesson 4.2 Review #1–2
05.0 Demonstrate an understanding of the construction industry and related occupations. The student will be able to:	
05.01 Identify and distinguish construction trade occupations and the roles and responsibilities of each craft.	**Instruction:** p. 2–5, Lesson 1.1 Industry and Careers p. 65–74, Lesson 2.1 Industry and Career **Application:** p. 5, Lesson 1.1 Review #1–4 p. 75, Lesson 2.1 Review #1–7
05.02 Identify and distinguish construction project management occupations and the roles and responsibilities of each.	**Instruction:** p. 8, Expectations p. 71–73, Supervision, Administration, and Management **Application:** p. 9, Lesson 1.2 Review #3 p. 75. Lesson 2.1 Review #5–6
05.03 Identify and differentiate design and engineering occupations and the roles and responsibilities of each.	**Instruction:** p. 73, Designers and Engineers **Application:** p. 75. Lesson 2.1 Review #7
05.04 Assess and discuss the relationship between the Department of Labor and the construction industry, economy and opportunity for employment.	**Instruction:** p. 3, first full paragraph p. 65, Occupations in the Construction Trades **Application:** p. 62, Critical Thinking #1
06.0 Explain the importance of employability and entrepreneurship skills. The students will be able to:	
06.01 Identify and demonstrate positive work behaviors needed to be employable.	**Instruction:** p. 6–9, Construction Fundamentals

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Standards/Objectives/Indicators	Textbook Pages
	Application: p. 9, Lesson 1.2 Review #1–3
06.02 Develop personal career plan that includes goals, objectives and strategies.	**Instruction:** p. 261–263, Long-Term Success in Residential Construction **Application:** p. 263, Lesson 5.1 Review #1–4 p. 322, Critical Thinking #1
06.03 Examine and explain licensing, certification and industry credentialing requirements.	**Instruction:** p. 267, Licensing Requirements p. 327–328, Trade Credentials and Certifications **Application:** p. 268. Lesson 5.2 Review #5 p. 328, Lesson 6.2 Review #1–3
06.04 Maintain a career portfolio to document knowledge, skills and experience.	**Instruction:** p. 380–383, Applying for a Position **Application:** p. 385, Lesson 7.1 Review #1–3 p. 441, Critical Thinking #1
06.05 Evaluate and compare employment opportunities that match career goals.	**Instruction:** p. 384–385, Aligning Career Goals with Employment Opportunities **Application:** p. 62, Critical Thinking #1 p. 63, Communicating about Construction #1 p. 322, Critical Thinking #1
06.06 Identify and exhibit traits for retaining employment.	**Instruction:** p. 6–9, Lesson 1.2 Construction Fundamentals **Application:** p. 9, Lesson 1.2 Review #1–3 p. 62, Critical Thinking #1–2
06.07 Identify opportunities and research requirements for career advancement.	**Instruction:** p. 261–263, Lesson 5.1 Industry and Careers **Application:** p. 263, Lesson 5.1 Review #1–4 p. 322, Critical Thinking #1 p. 322, Communicating about Construction #1

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06.08 Explain and practice the benefits and necessity of ongoing professional development.	**Instruction:** p. 261–263, Develop Your Skill Set **Application:** p. 263, Lesson 5.1 Review #1–4 p. 322, Critical Thinking #1 p. 322, Communicating about Construction #1
06.09 Examine and describe entrepreneurship and leadership opportunities as a career planning option.	**Instruction:** p. 71–73, Supervision, Administration, and Management p. 135–136, Types of Business Structures **Application:** p. 75. Lesson 2.1 Review #5–6 p. 137, Lesson 3.1 Review #1–5
06.10 Conduct a job search and analyze the requirements of the job.	**Instruction:** p. 380–385, Lesson 7.1 Industry and Careers **Application:** p. 62, Critical Thinking #1 p. 63, Communicating about Construction #1 p. 385, Lesson 7.1 Review #1–4
06.11 Understand the consequences of poor decision making.	**Instruction:** p. 7–8, Ethics p. 8–9, Expectations **Application:** p. 9, Lesson 1.2 Review #2–3 p. 62, Apply and Analyze #1–2 p. 63, Communicating about Construction #3
06.12 Assess the importance of confidentiality in the workplace.	**Instruction: Add to Lesson 8.2??** p. 447, second full paragraph **Application:** p. 494, Critical Thinking #2
06.13 Determine healthy living habits in relation to work.	**Instruction:** p. 266, Environmental Regulations p. 478–481, Health Hazards **Application:** p. 482, Lesson 8.6 Review #1–5 p. 493, Apply and Analyze #7

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