

# Introduction to Construction (2013)

Demonstrate employability skills required by business and industry. [AC-IC-1](#)

- 1 Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities. [AC-IC-1.1](#)
- 2 Demonstrate creativity by asking challenging questions and applying innovative procedures and methods. [AC-IC-1.2](#)
- 3 Exhibit critical thinking and problem solving skills to locate, analyze and apply information in career planning and employment situations. [AC-IC-1.3](#)
- 4 Model work readiness traits required for success in the workplace including integrity, honesty, accountability, punctuality, time management, and respect for diversity. [AC-IC-1.4](#)
- 5 Apply the appropriate skill sets to be productive in a changing, technological, diverse workplace to be able to work independently and apply team work skills. [AC-IC-1.5](#)
- 6 Present a professional image through appearance, behavior and language. [AC-IC-1.6](#)

Demonstrate and explain knowledge of the history and traditions of the building trades. [AC-IC-2](#)

- 1 Describe and explain the history of carpentry, masonry, plumbing, electrical and HVAC. [AC-IC-2.1](#)
- 2 Describe and explain the association of the history of the trades with other events in history. [AC-IC-2.2](#)
- 3 Demonstrate a basic understanding of the history of the tools related to each craft. [AC-IC-2.3](#)

Demonstrate knowledge and application of general construction and specific OSHA and EPA safety concepts and practices. [AC-IC-3](#)

- 1 Demonstrate an understanding of the applications of Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) regulations concerning Personal Protective Equipment (PPE). [AC-IC-3.1](#)
- 2 Demonstrate an understanding of the applications of OSHA and EPA regulations concerning environmental issues on the construction site. [AC-IC-3.2](#)
- 3 Describe and explain the importance of building codes. [AC-IC-3.3](#)

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**4 Evaluate sustainable building practices.** AC-IC-3.4

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**Demonstrate the professional and safe use of basic tools used in the building trades.** AC-IC-4

- 1 Demonstrate safe use of basic tools of the trade areas.** AC-IC-4.1
  - 2 Demonstrate proper care and maintenance of the basic tools.** AC-IC-4.2
  - 3 Demonstrate the use of proper tools for specific building procedures.** AC-IC-4.3
  - 4 Demonstrate knowledge of specific regulations related to specific tools.** AC-IC-4.4
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**Differentiate between the different building trades' plans and specifications.** AC-IC-5

- 1 Demonstrate evaluating specific types of plans and drawings.** AC-IC-5.1
  - 2 Compare differences in symbols between the building trades.** AC-IC-5.2
  - 3 Accurately explain terms and abbreviations for each building trade area.** AC-IC-5.3
  - 4 Accurately estimate materials needed based on the provided blueprints.** AC-IC-5.4
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**Examine how SkillsUSA is a co-curricular part of career and technical education through leadership development, school and community service projects, and competitive events.** AC-IC-6

- 1 Explain the purpose, mission, objectives, motto, colors, official dress and other distinguishing characteristics of SkillsUSA.** AC-IC-6.1
- 2 Explain how participation in SkillsUSA can promote lifelong responsibility for community service, professional growth and development.** AC-IC-6.2
- 3 Explore the impact and opportunities that SkillsUSA can develop to bring business and industry together with education in a positive working relationship through innovative leadership and career development programs.** AC-IC-6.3
- 4 Explore the local, state, and national opportunities available to students through participation in SkillsUSA, including but not limited to conferences, competitions, community service, philanthropy, and other SkillsUSA activities.** AC-IC-6.4