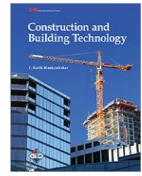


Goodheart-Willcox
Correlation of Construction and Building Technology ©2013
To Georgia Department of Education
Architecture and Construction Career Cluster
Introduction to Construction
Course Number 46.54600

Course Task/Competency Lists		Correlating Textbook Pages
AC-IC-1		
Standard: Demonstrate employability skills required by business and industry.		
The following elements should be integrated throughout the content of this course.		
1.1	Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities.	597-599
1.2	Demonstrate creativity by asking challenging questions and applying innovative procedures and methods.	597-599
1.3	Exhibit critical thinking and problem solving skills to locate, analyze and apply information in career planning and employment situations.	597-599
1.4	Model work readiness traits required for success in the workplace including integrity, honesty, accountability, punctuality, time management, and respect for diversity.	598-599
1.5	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.	599
1.6	Present a professional image through appearance, behavior and language.	598-599
AC-IC-2		
Demonstrate and explain knowledge of the history and traditions of the building trades.		
2.1	Describe and explain the history of carpentry, masonry, plumbing, electrical and HVAC.	23-29
2.2	Describe and explain the association of the history of the trades with other events in history.	23-29
2.3	Demonstrate a basic understanding of the history of the tools related to each craft.	29
AC-IC-3		
Demonstrate knowledge and application of general construction and specific OSHA and EPA safety concepts and practices.		
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).	53-58
3.2	Demonstrate an understanding of the applications of OSHA and EPA regulations concerning environmental issues on the construction site.	Green Construction Listing, 13, 25, 86, 98,
3.3	Describe and explain the importance of building codes.	29, 50



Course Task/Competency Lists		Correlating Textbook Pages
3.4	Evaluate sustainable building practices.	238 (Green Construction)
AC-IC-4		
Demonstrate the professional and safe use of basic tools used in the building trades.		
4.1	Demonstrate safe use of basic tools of the trade areas.	63-64
4.2	Demonstrate proper care and maintenance of the basic tools.	63-64
4.3	Demonstrate the use of proper tools for specific building procedures.	63-64
4.4	Demonstrate knowledge of specific regulations related to specific tools.	63-64
AC-IC-5		
Differentiate between the different building trades' plans and specifications.		
5.1	Demonstrate evaluating specific types of plans and drawings.	218-227
5.2	Compare differences in symbols between the building trades.	218-227
5.3	Accurately explain terms and abbreviations for each building trade area.	218-227
5.4	Accurately estimate materials needed based on the provided blueprints.	218, 246-251
AC-IC-6		
Examine how SkillsUSA is a co-curricular part of career and technical education through leadership development, school and community service projects, and competitive events.		
6.1	Explain the purpose, mission, objectives, motto, colors, official dress and other distinguishing characteristics of SkillsUSA.	597
6.2	Explain how participation in SkillsUSA can promote lifelong responsibility for community service, professional growth and development.	597
6.3	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.	597
6.4	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.	597