

**2013 CONSTRUCTION**

<b>ACADEMIC</b>		
<b>AA</b>		<b>MATH &amp; MEASUREMENT</b>
AA	001	Demonstrate addition, subtraction, multiplication, and division of the following (e.g., whole numbers, decimals, fractions) with and without the use of a calculator
AA	002	Measuring with: English ruler; Metric ruler; Architects Scale; Engineers Scale; Tape Measure
AA	003	Calculating area and perimeter of rectangles, squares, parallelograms, trapezoids, triangles, and circles
AA	004	Calculating surface area, lateral area, and volume of 3-D figures including: rectangular solids; pyramids; cubes; cones; cylinders; spheres
AA	005	Work with ratios and proportions
AA	006	Demonstrate the application of the Pythagorean Theory
AA	007	Demonstrate right angle trigonometry
AA	008	Convert fractional measurement to decimal measurement
AA	009	Convert between US and Metric measurement systems
AA	010	Use hand-held calculators
AA	011	Compare calculated measurements for accuracy
<b>AB</b>		<b>BLUEPRINT READING</b>
AB	001	Read and process information and follow instructions
AB	002	Use correct terminology
AB	003	Use correct spelling
AB	004	Write with accuracy, conciseness, and clarity
AB	005	Possess basic keyboarding skills
AB	006	Identify and demonstrate basic communication skills (e.g., listening, written, oral)
AB	007	Distinguish between print and jobsite dimensions
<b>AC</b>		<b>BUSINESS PLANNING &amp; OPERATIONS</b>
AC	001	Define the term "profit"
AC	002	Identify methods of planning that will save a contractor money, time, and materials
AC	003	Demonstrate use of industry related software packages
<b>AD</b>		<b>LEARNING SKILLS</b>
AD	001	Identify personal preferred learning styles
AD	002	Demonstrate the ability to learn new process steps
AD	003	Implement new process steps given oral instructions
AD	004	Read process instructions and implement appropriate steps
<b>AE</b>		<b>COMMUNICATION &amp; WORKCREW</b>
AE	001	Identify interpersonal characteristics of people working together
AE	002	Identify and demonstrate effective leadership techniques
AE	003	Demonstrate productive relationships within the work crew
AE	004	Identify the components of an effective oral presentation
<b>EMPLOYABILITY</b>		
<b>EA</b>		<b>WORKPLACE RESPONSIBILITIES &amp; SAFETY</b>
EA	001	Assume responsibility for decisions and actions
EA	002	Demonstrate a willingness to learn
EA	003	Demonstrate the ability to work as a crew member
EA	004	Identify the importance of performing quality work
EA	005	Display initiative
EA	006	Assume responsibility for the personal of safety of self and others
EA	007	Be a dependable worker (e.g., punctual arrival, regular attendance)
EA	008	Practice time management
EA	009	Comply with established safety guidelines
EA	010	Demonstrate a positive attitude towards safety
<b>EB</b>		<b>BUSINESS PLANNING &amp; OPERATIONS</b>
EB	001	Identify the components that lead to customer satisfaction
EB	002	Demonstrate positive self-image
EB	003	Identify some ways that the level of customer satisfaction may affect company success

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EB	004	Explain the importance of a business reputation
EB	005	Identify that ways that customer satisfaction influences a business reputation
EB	006	Identify possible actions that may be used to correct customer dissatisfaction
EB	007	Identify immediate and real costs of an accident to a company
EB	008	Identify methods of preventing accidents in the workplace
<b>EC</b>		<b>WORKFORCE ISSUES</b>
EC	001	Recognize the difference between a work crew environment and a conventional workplace
EC	002	Identify the characteristics of a diverse workforce
EC	003	Identify and demonstrate ethical characteristics and behaviors
EC	004	Differentiate between good and poor business ethics
EC	005	Match employee responsibilities to employer expectations
EC	006	Define discrimination, harassment, and equity
EC	007	Demonstrate non-discriminatory behavior
EC	008	Maintain confidentiality and sensitivity of company information
EC	009	Demonstrate appropriate dress and hygiene for successful employment
EC	010	Demonstrate the ability to act in a polite and professional way towards co-workers
EC	011	Recognize the importance of completing tasks on time and accurately
EC	012	Demonstrate the ability to make career decisions
EC	013	Participate in an employment interview
EC	014	Be truthful in all communications with co-workers and supervisors
EC	015	Accept constructive criticism
EC	016	Work with minimal supervision
EC	017	Plan and organize work
EC	018	Identify the components of a career portfolio for employers
EC	019	Demonstrate knowledge of conflict resolution techniques
<b>OCCUPATIONAL</b>		
OA		<b>BLUEPRINT READING</b>
OA	001	Interpret a list of architectural terms associated with plan reading
OA	002	Identify different architectural line types
OA	003	Interpret specifications
OA	004	Determine overall dimensions
OA	005	Interpret various symbols
OA	006	Display an understanding of door and window schedules
OA	007	Identify mechanical, concrete, framing, and building procedures techniques as related to drawings
OA	008	Identify the various specific hardware for a construction project
<b>OB</b>		<b>WORKFORCE ISSUES</b>
OB	001	Demonstrate safe, careful use, treatment, and maintenance of tools, equipment, and machines
OB	002	Demonstrate knowledge of safety practices that relate to the construction industry
OB	003	Identify the various types of training available in the construction industry
<b>OC</b>		<b>MATH &amp; MEASUREMENT</b>
OC	001	Demonstrate proper measurement techniques
OC	002	Describe the appropriate application and use of measurement devices in construction
<b>OD</b>		<b>WORKPLACE SAFETY &amp; HEALTH</b>
OD	001	Demonstrate knowledge of first aid and CPR
OD	002	Demonstrate knowledge and understanding of bloodborne pathogens
OD	003	Apply appropriate first aid techniques
OD	004	Identify different types of chemical, biological, and physical hazards
OD	005	Identify the characteristics of a safe work site
OD	006	Identify OSHA's 1926.10 Construction Standards and who enforces OSHA Rules and Regulations in Kentucky
OD	007	Interpret MSDS sheets
OD	008	Identify the safe and proper use of the tools of the trade
OD	009	Demonstrate knowledge and understanding of OSHA 10-hour General Safety Course

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OD	010	Identify laws and regulations that relate to the construction industry
OD	011	Identify the various organizations representing the construction industry and their role
OE		<b>COMPUTER USE</b>
OE	001	List possible computer applications in the construction industry
OE	002	Identify possible effects of introducing computers into construction processes