



## ESPA Certified-EST<sup>®</sup> Exam Blueprint

Domain	Task
<b>1. Electrical Basics</b>	
	<b>1.1</b> Identify differences between AC and DC to promote safety, efficiency, and quality on a job/project.
	<b>1.2</b> Identify differences between low-voltage and line voltage to promote safety, efficiency, and quality on the job.
	<b>1.3</b> Identify the four basic units of measurement used with electricity, and be able to explain how they relate in Ohm's Law.
<b>2. Tools</b>	
	<b>2.1</b> Read and identify planning tools, including construction drawings and symbols on drawings, to promote safety, productivity, and quality on a job/project.
	<b>2.2</b> Identify the various types of documentation tools and methods used on a job/project to promote safety, productivity, and quality.
	<b>2.3</b> Identify hand tools and their uses, storage, and maintenance to promote safety, productivity, and quality on a job/project.
	<b>2.4</b> Identify power tools and their uses, storage, and maintenance to promote safety, productivity, and quality on a job/project.
	<b>2.5</b> Identify test equipment and their uses, storage, and maintenance to promote safety, productivity and quality on a job/project.
<b>3. Construction Methods and Materials</b>	
	<b>3.1</b> Identify construction methods to promote safety, productivity, and quality on a job/project.
	<b>3.2</b> Identify construction materials to promote safety, productivity, and quality on a job/project.
<b>4. Wiring and Installation Practices</b>	
	<b>4.1</b> Identify wire and cable materials to promote quality, efficiency, and safety on a job/project.
	<b>4.2</b> Identify termination types, pin-out configuration, wire preparation and termination techniques, and connection points on cables and equipment to promote safety, efficiency, accuracy and quality on a job/project.
	<b>4.3</b> Identify color code standards for telephony, speakers, data, and video to promote safety, efficiency, and quality on a job/project.
	<b>4.4</b> Identify the use of fasteners, anchors, and back boxes used to mount cable and other equipment to structures to promote safety, efficiency, and quality on the job.
	<b>4.5</b> Identify installation techniques and procedures to promote quality, efficiency, and safety on the job/project.
<b>5. Standards, Codes, and Safety Practices</b>	
	<b>5.1</b> Identify the concept of industry accepted standards and best practices.
	<b>5.2</b> Identify applicable building codes.
	<b>5.3</b> Identify applicable safety practices.