

Planning & Design – Updated 09.2023

85 scored items & 10 [pretest](#) items consisting of [multiple-choice](#), [multiple-response](#) and advanced [item type](#) questions; 3 ½ hours seat time, 3 hours for exam



Stewardship and Design Principles: 17%	Master Planning: 33%	Schematic Design: 28%	Design Development: 22%
<ul style="list-style-type: none"> • Plan for Sustainability • Plan for Climate Resiliency • Plan for Environmental and Social Equity • Recognize Historical and Cultural Significance 	<ul style="list-style-type: none"> • Formulate Planning Goals (e.g., vision) • Prepare Project Program (including budget) • Synthesize Site Analysis • Establish Opportunities and Constraints • Determine Appropriate Land Use • Develop Master Plan (e.g., conceptual plans, planning high level program elements, community planning, determine planning strategies) • Evaluate Planning Scenarios • Produce Planning Documents (e.g., land use, parks, open space, regional, historic, site master, corridor, blueways, greenways) • Establish Design Guidelines • Develop Phasing Plan • Communicate Planning Outcomes 	<ul style="list-style-type: none"> • Develop Design Intent • Create the Basis for Design • Prepare Functional Diagram • Produce Conceptual Diagram • Develop Schematic Designs • Evaluate Design Alternatives • Refine Selected Alternatives • Produce Graphics, Illustrations, and Diagrams 	<ul style="list-style-type: none"> • Refine Design Elements (e.g., material, circulation, lighting, utilities, planting) • Determine Maintenance Implications • Collaborate on the Design of Irrigation Systems (e.g., water conservation, sustainability, low water, gray water) • Identify Required Approvals (e.g., regulatory permitting) • Develop Opinion of Probable Costs (e.g., schematic, design development, revisions) • Evaluate Value Engineering Alternatives • Demonstrate Understanding of Legal Liabilities