

Water Resources Planning and Management

Core Knowledge Areas and Knowledge Requirements for Professional Practice in the Practice Area.

To qualify for the *Water Resources Planning and Management* practice area a minimum five of eight Core Knowledge Areas (CKAs) must be met (AIA CC Policy #21-001). Each knowledge requirement must consist of at least 3-credit equivalent of learning. A regulated member's scope of practice is restricted to those CKAs for which the member qualifies.

Core Knowledge Area	Required Subject Matter Areas (Knowledge Requirements)
<i>Water</i>	<ul style="list-style-type: none"> • Hydrology OR Water Resources • Water Quality • General Chemistry
<i>Soils</i>	<ul style="list-style-type: none"> • Soil Science OR Earth Science • Soil Conservation and Management OR Soil Water Management
<i>Vegetation</i>	<ul style="list-style-type: none"> • Plant Science
<i>Landscape</i>	<ul style="list-style-type: none"> • Terrain and Landforms Analysis OR Geographic Information Systems • Physical Geography OR Environmental Science
<i>Land Use</i>	<ul style="list-style-type: none"> • Land Use Effects on Water Quality and Quantity
<i>Ecology</i>	<ul style="list-style-type: none"> • Introductory Ecology
<i>Socioeconomics</i>	At least one of the following: <ul style="list-style-type: none"> • Natural Resource Economics • Environmental Economics • Agricultural Economics
<i>Research & Development</i>	<ul style="list-style-type: none"> • Statistical Analysis • Experimental Design
Knowledge of a subject matter area may be based on an individual course or be part of multiple courses. For example, knowledge in hydrology may be obtained via an hydrology course or through portions of other courses such as soil physics, soil and water conservation, or watershed management courses.	