

Land Conservation and Management

Core Knowledge Areas and Knowledge Requirements for Professional Practice

To qualify for the *Land Conservation and Management* practice area a minimum four of six 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) |
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| <i>Vegetation</i> | <ul style="list-style-type: none"> • Introductory Plant Science OR Botany At least one of the following: <ul style="list-style-type: none"> • Plant Identification/Taxonomy • Plant Physiology • Disease and Pest Management • Plant-Animal Interactions • Invasive Species and Weeds • Plant Ecology • Rangeland Management |
| <i>Soils and Landscape</i> | <ul style="list-style-type: none"> • Introductory Soil Science At least one of the following: <ul style="list-style-type: none"> • Soil Genesis and Classification • Soil Conservation and Management • Land Evaluation • Soil Fertility • Soil Physics • Soil Chemistry • Soil Biology • Land Capability Assessment • Landforms and Geomorphology • GIS • Remote Sensing |
| <i>Animals</i> | <ul style="list-style-type: none"> • Introductory Animal Science OR Zoology |
| <i>Water</i> | <ul style="list-style-type: none"> • Introductory Hydrology OR Hydrogeology |

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| Ecology | <ul style="list-style-type: none"> • Introductory Ecology <p>At least one of the following:</p> <ul style="list-style-type: none"> • Ecophysiology • Plant Ecology • Disturbance Ecology • Restoration Ecology • Riparian Ecosystems • Fire Ecology and Management • Landscape Ecology • Forest Ecology • Wildlife Ecology • Range Ecology |
| Socioeconomics | <ul style="list-style-type: none"> • Introductory Economics OR Introductory Sociology |
| <p>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.</p> | |