



NGICP Exam Topics

The Green Infrastructure (GI) practices focused on in the National Green Infrastructure Certification Program (NGICP) are as follows: bioretention (rain gardens, bioretention cells, curb extensions/bulb-outs, bioswales, stormwater planters), rainwater harvesting (rain barrels and cisterns), permeable pavements (porous concrete, pervious asphalt and permeable pavers), green roofs and blue roofs, and dry wells and stormwater wetlands.

Certificants can fulfill their PDH obligations through online programming, mentoring, and technical publications on topics in the following exam topics.

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| Watershed Fundamentals |
| Apply the key concepts of basic hydrology/hydrologic function |
| Apply the basic concept and recognize the environmental benefits of stormwater management and green infrastructure |
| Green Infrastructure (GI) Practices |
| Identify the basic functionality of various GI practices |
| Identify the purpose, functionality, and properties of the basic physical components of GI practices |
| Apply key concepts related to the lifecycle of GI practices |
| Identify the terminology used to describe various GI practices |
| GI Methods and Materials |
| Recognize the appropriate application of equipment for the construction or the maintenance of a GI practice |
| Apply the key concepts of site layout and grade checking |
| Recognize the purpose of common GI construction materials |
| Apply the key concepts of basic vegetation management and establishment |
| Recognize the significance of and identify the procedure for proper storage and handling of materials |
| Recognize the significance of and identify the procedure for water management, as well as erosion and sediment control, during the construction and maintenance of a project |
| Identify potential site safety hazards associated with GI practices and personal protective equipment (PPE) |
| Read and comprehend architectural and engineering drawings |
| Recognize adjacent and related infrastructure variables as they pertain to GI |
| GI Functionality and Appearance |
| Recognize GI-related performance issues |
| Diagnose the cause of common GI failures |
| Recognize adequate and comprehensive documentation of GI practices |