Prerequisite Courses for Pavement Design Engineer

Courses available from the National Highway Institute (NHI):

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| **NHI Course No.** | **Course Title** |
| FHWA-NHI-131050 | Asphalt Pavement In-Place Recycling Techniques |
| FHWA-NHI-131050A | (Introduction to) Asphalt Pavement In-Place Recycling Techniques |
| FHWA-NHI-131100 | Pavement Smoothness: Use of Inertial Profiler Measurements for Construction Quality Control |
| FHWA-NHI-131116 | Pavement Management Fundamentals WBT |
| FHWA-NHI-131117 | Basic Materials for Highway and Structure Construction and Maintenance |
| FHWA-NHI-131121 | Construction of Portland Cement Concrete Pavements |
| FHWA-NHI-131122 | Portland Cement Concrete Paving Inspection |
| FHWA-NHI-131126A | Concrete Pavement Preservation Series: Pavement Preservation Concepts |
| FHWA-NHI-131126B | Concrete Pavement Preservation Series: Concrete Pavement Evaluation |
| FHWA-NHI-131126C | Concrete Pavement Preservation Series: Slab Stabilization |
| FHWA-NHI-131126D | Concrete Pavement Preservation Series: Partial-depth Repairs |
| FHWA-NHI-131126F | Concrete Pavement Preservation Series: Retrofitted Edge Drains |
| FHWA-NHI-131126G | Concrete Pavement Preservation Series: Dowel Bar Retrofit |
| FHWA-NHI-131126H | Concrete Pavement Preservation Series: Diamond Grinding and Grooving |
| FHWA-NHI-131126I | Concrete Pavement Preservation Series: Joint Sealing and Crack Resealing |
| FHWA-NHI-131126J | Concrete Pavement Preservation Series: Concrete Overlays |
| FHWA-NHI-131126K | Concrete Pavement Preservation Series: Strategy Selection |
| FHWA-NHI-131127 | Concrete Series |
| FHWA-NHI-131129 | HMA Paving Field Inspection |
| FHWA-NHI-131135 | Aggregate Sampling Basics |
| FHWA-NHI-131137 | Special Mixture Design Considerations and Methods for Warm Mix Asphalt |
| FHWA-NHI-131139 | Constructing and Inspecting Asphalt Paving Projects |
| FHWA-NHI-131139V | Constructing and Inspecting Asphalt Paving Projects (Virtual Delivery of NHI 131139) |
| FHWA-NHI-131140 | Hot In-place Recycling |
| FHWA-NHI-131141 | Quality Assurance for Highway Construction Projects |
| FHWA-NHI-131142 | Full Depth Reclamation (FDR) |

**Courses available from the Asphalt Institute (AI):**

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| **Course Title** |
| Asphalt Binder Webinar Series (Parts 1– 4) |
| Basics of Asphalt Binders |
| Asphalt Emulsion Webinar Series (Parts 1 – 5) |
| Basics of Asphalt Mix Design |
| Asphalt Pavement Compaction: Best Practices for Durability and Smoothness |
| Asphalt Pavement Preparation and Paving: Best Practices for Quality and Smoothness |
| Best Practices for Specifying and Constructing Longitudinal Joints |
| Tack Coats Part I: Purposes, Research, Materials, and Specifications |
| Tack Coat Part II: Best Practices for Preparation and Application, Bond Strength Testing, and Quality Control/Quality Assurance |
| Advanced Pavement Preservation Series |
| Introduction to Cold In-Place Recycling |
| Pavement Management Systems |
| Pavement Preservation Treatments Series (Parts 1-3) |
| Understanding Pavement Distress |

Pavement related courses that provide PDH’s from the American Concrete Pavement Association, National Concrete Pavement Technology Center, National Concrete Consortium, Int’l Grooving & Grinding Assn., Transportation Research Board, Applied Research Associates, National Asphalt Pavement Association, National Center for Pavement Preservation, Purdue Road School, and upon request, other courses/topics as approved by the INDOT Pavement Division are eligible for Pavement Design Engineer pre-qualification.

All questions related to Pavement Design Engineer pre-qualification should be sent to: Kumar Dave

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