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

Manager, Pavement Engineering Indiana Department of Transportation 100 N. Senate Ave., IGCN758 Indianapolis, IN 46204

(317) 233-5279

email: kdave@indot.in.gov