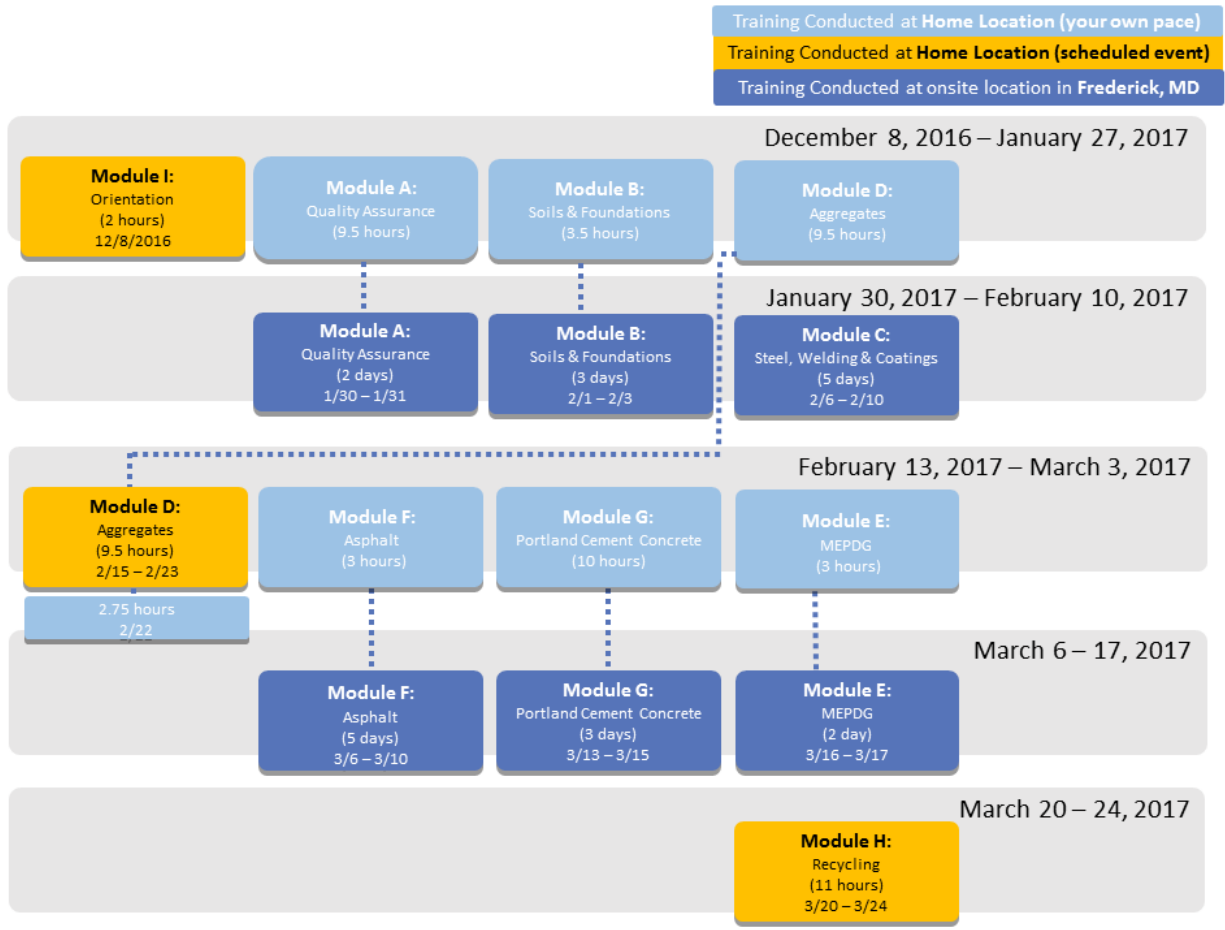


Highway Materials Engineering Course

WHAT	<p>The Highway Materials Engineering Course is a multi-week course that comprises eight separate technical content modules, plus one orientation session. Together, the modules present detailed information on highway construction materials and provide learning experiences that typically are not addressed in collegiate civil engineering programs. Modules in this course include one orientation session and:</p> <ul style="list-style-type: none"> • Quality Assurance • Soils and Foundations • Steel, Welding, and Coatings • Aggregates for Transportation Construction • Mechanistic-Empirical Pavement Design Guide • Asphalt Materials and Paving • Portland Cement Concrete • Evaluating Recycled Materials for Beneficial Uses in Transportation <p>The content of the modules is delivered to participants through diverse platforms, including:</p> <ul style="list-style-type: none"> • Instructor-led, classroom-based training (ILT) • Web-based training (WBT) • Independent study (IS) • Web-conference training (WCT) • Laboratory or field experiences (LAB)
WHO	<p>The Federal Highway Administration (FHWA) is sponsoring the annual presentation of the course, and the curriculum was developed by national experts in the various materials areas, under the guidance of State Department of Transportation (DOT) materials engineers and the FHWA materials specialists.</p> <p>Participants will have a typical background described by one of the following:</p> <ul style="list-style-type: none"> • Personnel who joined their agency as a junior engineer with a bachelor’s degree in civil engineering, have several years of experience with the agency (particularly in construction or materials), and have received their professional engineer license • Personnel who have advanced through the technician ranks, have 10-15 years’ experience with highway construction materials, and are targeted by their agency for further professional advancement
WHEN	<p>Presentation of the course is scheduled for December 8, 2016 through March 24, 2017, with alternating home site and on-location training. On-location training will occur January 30 through February 10, 2017 and March 6 through March 17, 2017.</p>
WHERE	<p>On-location training will be held at the AASHTO Materials Reference Laboratory in Frederick, MD. Other portions of the course will be delivered using online distance learning materials at the participant’s home site.</p>
WHY	<p>AASHTO Administrative Resolution AR-4-11 declared the need for a delivery mechanism for the return of a comprehensive materials engineering course to fill the void left by the cancellation of the previous NHI Materials Course.</p>

HMEC 2017 Schedule Overview



For further information:

- Access the HMEC webpage at www.fhwa.dot.gov/pavement/materials/hmec/
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