

Meet Our Instructors

Our unique combination of technical instruction, design, and policy experience sets us apart as instructors. We bring our practical experience to the classroom to enhance the learning environment with real-world applications. Our instructors have collectively taught over 100 courses on H&H, stormwater, and E&S, with special emphasis on design projects in Pennsylvania.



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NTM Training Courses

NTM Training Center
130 W. Church St.
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Register at
www.ntmtraining.com

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A/E/C Professionals

NTM TRAINING COURSES

INTRODUCTION TO HEC-RAS

21 PDHs

NTM Engineering's Introduction to HEC-RAS will teach you how to use the U.S. Army Corps of Engineers' Hydraulic Engineering Center River Analysis System (HEC-RAS) software program. HEC-RAS is an engineering industry standard for modeling steady, gradually-varied, one-dimensional open channel flows.



Our application-oriented training provides lectures and hands-on workshops to introduce you to HEC-RAS. NTM will teach you hydraulic analysis procedures for waterway modeling via site assessment, cross-section data collection, hydraulic method selections, and output interpretation.

Lecture topics include:

- Hydraulic modeling
- Flow resistance
- Steady flow
- Water surface profiles and their geometric data requirements
- Layout of cross-section locations
- Developing HEC-RAS models
- Bridge hydraulics and modeling
- Culvert hydraulics and modeling
- Existing and proposed conditions modeling

BMPs FOR EROSION AND SEDIMENT CONTROL PLANS

14 PDHs

A critical component of any land development or highway plan and the NPDES permit is the Erosion and Sediment Control (E&S) Plan. Inadequate design of E&S best management practices (BMPs) results in plan re-submissions and project delays, while over-design leads to unnecessary project costs. Eliminate multiple plan submissions and reduce your client's project costs by attending this course, which focuses on the selection and design of E&S BMPs using the *PA DEP Erosion and Sediment Pollution Control Program Manual*.

Every participant will receive a course binder containing annotated lectures and step-by-step instructions for designing E&S BMPs.

Lecture topics include:

- Proper selection and cost-effective design of various E&S BMPs.
- Design considerations in special protection watersheds and areas adjacent to streams and wetlands.
- Cost savings opportunities.

Upon successful completion of the course, attendees will be able to:

- Identify cost-savings opportunities associated with E&S Plans.
- Avoid common design errors that result in plan re-submissions.



TRAINING CENTER

Our state-of-the-art training center is located in Dillsburg, just south of Harrisburg, PA. We have a wide variety of course topics in the works, including:

- Waterway Permitting
- NPDES/Post-Construction Stormwater Management Plans
- Complex HEC-RAS Modeling

Is there a particular course you would like to attend but don't see listed? We would love to hear your ideas! If you would like to hold a course for your own group, we can accommodate that, too. Send your ideas, comments, or questions to training@ntmeng.com.

General Information

For more information and to register, visit www.ntmtraining.com

Cancellation Policy: Cancellations made prior to 7 days before the course will be fully refunded. Registrations cancelled within 7 days of the course will receive a 50% reimbursement. No-shows will not receive a refund. Substitutions of another individual are permitted if you are unable to attend.