



CASFM Continuing Education

HEC-RAS BASIC 1D MODELING COURSE

June 23rd-25th, 2025

8am-5pm

Course Description

WEST Consultants' hands-on seminar and computer workshop provides practical training in basic steady flow modeling. Participants gain intensive experience constructing HEC-RAS models, including developing bridge geometry and performing floodplain analyses. Lectures also discuss modeling culverts, modeling techniques, and FEMA floodway encroachment analysis. Workshops focus on giving students experience developing a hydraulic model, modeling bridges and culverts, modeling inline and lateral structures, floodway encroachments, and using the built-in feature RASMapper to spatially analyze results.

Attendees should bring their own laptop with latest version of HEC-RAS

Learning Outcomes:

1. Obtain a working understanding of the theory behind HEC-RAS 1D.
2. Develop a 1D hydraulic model and run a steady flow analysis.
3. Model bridges, culverts, and inline and lateral structures.
4. Analyze FEMA floodway encroachments.
5. Understand how to use RASMapper to visualize results.

Cost:

\$825 + credit card fees

Date:

June 23rd-25th, 2025 8AM-5PM

Lunch and light breakfast will be provided

Location:

Kimley»Horn

6200 S Syracuse Way, Greenwood Village, CO 80111

Register:

Registration opening May 19th

Questions?

Contact Katie Kerstiens at MHFD
303-653-3220 | kkerstiens@mhfd.org

We will be offering a certificate that will provide 12 CECs for this course
(Registrants are responsible for submitting CECs to ASFPM)



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