



# CASFM Continuing Education

## HEC-RAS BASIC 1D MODELING COURSE

July 17<sup>th</sup>-19<sup>th</sup>, 2024

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:

Early Registration (by July 3<sup>rd</sup>): \$825

Late Registration (after July 3<sup>rd</sup>): \$925

### Date:

July 17<sup>th</sup>-19<sup>th</sup>, 2024 8AM-5PM

Lunch and light breakfast will be provided

### Location:



5970 Greenwood Plaza Blvd., Greenwood Village, CO 80111

### Register:

Registration opening June 17<sup>th</sup>

### Questions?

Contact Katie Kerstiens at MHFD

303-653-3220 | [kkerstiens@mhfd.org](mailto: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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