

# 2024 Introduction to HEC-RAS 2D Modeling

## About This Training

This introductory course will cover the basics of 2D flow modeling using the U.S. Army Corps of Engineers River Analysis System (HEC-RAS) software package. Course topics will include: an overview of 2D modeling within the HEC-RAS software, data requirements and acquisition, developing a 2D model, understanding 2D modeling outputs, and adding bridges, culverts and other connections within the 2D model. Participants will get hands-on experience through multiple lab exercises. Prior working knowledge and experience with HEC-RAS is preferred for course participants.

## Instructor

Dennis Johnson, PhD

Dennis Johnson, PhD, is a professor at Juniata College in Huntingdon, Pennsylvania. He has experience teaching and consulting for a number of entities on topics related to hydrology, hydrodynamics, surveying, engineering economy, and wastewater collection systems.

## Event Details

**Dates:** [July 15-18, 2024](#)

**Times:**

Mon-Wed: 8:00 AM - 5:00 PM (ET)

Thurs: 8:00 AM - 12:00 PM (ET)

**Cost:**

Employees of public agencies: \$900 per person

Employees of private agencies: \$1,000 per person

**Location:** Lansing Community College

West Campus M-TEC 5708 Cornerstone

Lansing, MI 48917

**Registration Deadline:** July 7, 2024

**PLEASE NOTE: SEATING IS LIMITED**



*Registration is required for fulfillment of continuing education. Read the Center for Technology & Training policy [here](#).*

*No-shows/cancellations within three business days of the event are charged the full registration fee; substitutions accepted*

*Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer that provides equal opportunity for all, including protected veterans and individuals with disabilities.*

*Accommodation requests related to a disability should be made at least ten business days prior to the event by emailing [ctt@mtu.edu](mailto:ctt@mtu.edu).*