

Introduction to HEC-RAS 2D Modeling

Lansing - 2026

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.

Intended Audience

Individuals with prior HEC-RAS experience

Instructor

Dennis Johnson, PhD

Dennis Johnson, PhD, is a Professor and Chair of Civil & Environmental Engineering 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 27-30, 2026

Times: 8:00 AM - 5:00 PM (ET) - Each Day

Cost: \$950 per person

Location: Lansing Community College
West Campus M-TEC Computer Lab M124B
5708 Cornerstone, Lansing, MI 48917

Registration Deadline: July 19, 2026
To register, visit our [registration page](#).

PLEASE NOTE: SEATING IS LIMITED

*Participants are responsible
for their own lodging.*

QUESTIONS?



ctt@mtu.edu

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.