

FERRIS STATE UNIVERSITY

IMAGINE MORE

Third Annual Plastics Institute Summer 2025



Plastics Injection Molding Skills Institute

The Plastics Institute at Ferris State University is pleased to announce our workshop courses for the summer of 2025. These workshops, designed to align with contemporary plastics processes, promise to deliver exceptional learning experiences.

The Plastics Injection Molding Skills Institute is a three-day course delivered by highly qualified instructors from Ferris State’s Plastics programs. As with all of our training, this course is practical and emphasizes hands-on applications. Certificates will be awarded to each course completed along with useful course reference binders.

Registering for course

To learn more about the Plastics Institute and online registration, see our website www.ferris.edu/cpd and select “Plastics Institute.” For questions email Shanee Ramsey at cpd@ferris.edu. We also welcome opportunities to host these or other custom trainings at your facility. For additional information on training and other services offered by Ferris – Corporate and Professional Development, please email to: cpd@ferris.edu

Grant funding can also be used for this training.

Plastics Institute 2025 Schedule

Title/Facility	Dates	Times	Days	Fee
Injection Molding Skills Institute Location: FSU Elastomer Center (Lunch provided)	5/20/2025 – 5/22/2025	8:00 AM 4:00 PM	Tuesday - Thursday	\$1,650

COURSE DESCRIPTION

Gain hands-on, practical injection molding skills without any fluff.

The Injection Molding Skills Institute is a three-day **hands-on** workshop hosted by Ferris State University. This course is intended for anyone with a basic knowledge of injection molding concepts, such as mold changers, technicians, supervisors, process engineers, quality engineers, project engineers, technical office personnel, etc.

This unique workshop reinforces classroom content with **hands-on** floor activities in Ferris State's state-of-the-art Plastics Lab.

Participants will learn and improve **skills** in the following areas:

- Identifying machine safeties, actuators, and position indicators
- Understanding machine components and associated controls
- Setting up clamp action and ejection
- Performing a short shot study
- Optimizing pack/hold including a gate-seal study
- Utilizing techniques for optimizing the process including plastication parameters, cooling time, and barrel temperatures

Instructors:

Stephen Wolfer has been a Professor at Ferris State University in Big Rapids, Michigan for the past 30 years, where he teaches introductory injection molding and robotics courses. He has also written Injection Molding Set-Up Manual and Manual Para Moldeadores De Plastico Por Inyeccion. He received his BS, MS and Ed.S. from Pittsburg State University, Pittsburg, Kansas. His work experience comes from Rubbermaid, Square D Company, and General Dynamics.

Tom Van Pernis is an Associate Professor and Program Coordinator at Ferris State University in Big Rapids, Michigan, where he teaches introductory and advanced injection molding courses along with courses covering other plastics processes. Previously, he taught Plastics and Polymer Engineering Technology courses as an Instructor at Pennsylvania College of Technology, Williamsport, PA. He received an AAS in Plastics Technology, and a BS in Plastics Engineering Technology from Ferris State University. He also has his MBA from Cornerstone University, Grand Rapids, MI along with a MS in Engineering Management from UMass Lowell, Lowell, Massachusetts. His work experience comes from Innotec and Monroe LLC.

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CORPORATE AND PROFESSIONAL DEVELOPMENT

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