

# FERRIS STATE UNIVERSITY

## Manufacturing Institute Summer 2025



### Manufacturing Institute

The Manufacturing Institute at Ferris State University is pleased to announce our workshop courses for the summer 2025. These highly effective workshops have been developed for today's manufacturing processes. Each course is delivered by highly qualified instructors from Ferris State's Manufacturing programs. As with all of our trainings, these courses are practical and emphasize hands-on applications. Certificates will be awarded to each course completed along with useful course reference binders.

### Registering for courses

To learn more about the Manufacturing Institute and online registration, see our website at [www.ferris.edu/cpd](http://www.ferris.edu/cpd) and select "Manufacturing Institute". For questions, email Shanee Ramsey at [cpd@ferris.edu](mailto: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](mailto:cpd@ferris.edu).

### Manufacturing Institute 2025 Schedule

Title/Facility	Dates	Times	Days	Fee
Basic Robotics Training Location: FSU Swan Annex Building – Training Materials & Lunches provided	5/19/2025 – 5/23/2025	8:00 AM 4:00 PM	Monday - Friday	\$1,900
Robot Operations Training * Location: FSU Swan Annex Building – Training Materials & Lunches provided	5/27/2025 – 5/28/2025	8:00 AM 4:00 PM	Tuesday - Wednesday	\$1,000
Robot Operations Training * Location: FSU Swan Annex Building – Training Materials & Lunches provided	6/16/2025 – 6/17/2025	8:00 AM 4:00 PM	Monday - Tuesday	\$1,000
Basic Robotics Training Location: FSU Swan Annex Building – Training Materials & Lunches provided	7/21/2025- 7/25/2025	8:00 AM 4:00 PM	Monday - Friday	\$1,900
Basic Machining for Industry Training Location: FSU Swan Annex Building – Training Materials & Lunches provided	TBD	8:00 AM 4:00 PM	Monday – Friday (2 weeks)	\$3,500

\*3 College Credits can be offered with this training and passing taking the NOCTI exam for an additional fee

\*\*\*Additional training sessions can be arranged upon request.

### **COURSE DESCRIPTIONS**

**Basic Robotics Training** - This course is a comprehensive introduction to the basics of robots. Emphasis is placed on understanding robots in the overall context of manufacturing, society, and the world economy. Participants will actively participate in understanding fundamental principles of programming robots, comparing their use versus the use of human labor, and determining the possibilities and limitations of robotic applications.

**Robot Operations Training** – This course is designed to teach basic operations of a Fanuc robot. The topics include navigating the teach pendant, powering up and down the robot, recovering from faults, how to use user and tool frames, executing programs and modifying positions.

**Basic Machining for Industry Training** - This course is focused on developing core knowledge and basic skill in producing machined components and machining-related repair work. This course covers general shop safety, an overview of process planning, precision measurement, speeds and feeds, primary machining processes (i.e.: sawing, drilling, milling, turning, and grinding), and metalworking fluids.

## FERRIS STATE UNIVERSITY

CORPORATE AND PROFESSIONAL DEVELOPMENT

1020 Maple Street Big Rapids, MI 49307

[cpd@ferris.edu](mailto:cpd@ferris.edu)

[www.ferris.edu/cpd](http://www.ferris.edu/cpd)

2/17/2025

Ferris State University is an equal opportunity institution. For information on the University's Policy on Non-Discrimination, visit [ferris.edu/non-discrimination](http://ferris.edu/non-discrimination). If you have a disability and require accommodation to participate in this event, contact (Shanee Ramsey, Project Coordinator) email at [cpd@ferris.edu](mailto:cpd@ferris.edu) to request accommodations at least 72 hours in advance.