

FD Operation Programming

Course Length: 5 days

Course Synopsis:	This course will familiarize the students with the skills to effectively operate and program a Nachi robot arm using an FD controller. To insure sufficient hands-on experience and encourage instructor / trainee discussion, Nachi recommends a maximum class size of six (6) trainees. Performance objectives will be met utilizing a combination of 50% classroom lectures and 50% hands-on lab projects, dependant upon the skill level of the students as a group.
Who Should Attend:	This course is intended for production workers, skilled tradesmen, engineering personnel, and workers whose responsibilities include operation, programming, program modifications, and repair or maintenance of the FD Controller and robot arm.
Prerequisites:	Trainees scheduled for this course should have completed a basic robot course or have equivalent industrial manufacturing work experience.
What You Will Learn:	• Robot Safety • Safety Devices • Online HELP Message Review • FD Cabinet Operation Panel and Functions • Teach Pendant Operation and Functions • Operation Levels • Display Units Layout and Function • Controller Operation Modes • Manual Robot Motion Control • Automatic Robot Motion Control • Program Step Attributes • Recording Programs • Program Modifications • External Control Selections • Operations Code Menus and Selection • Input and Output Operation and Programming • Step Function Operation and Programming • Step Function Modifications • Cycle Time Monitoring and Modification • Memory File Manipulation and Backup Operation • Verifying Program Files for Modifications • Interface Panel Operation • Error Display and Recovery • Tooling Setup
Time:	Class time is Monday – Friday 7:30 a.m. – 3:30 p.m. Breaks are scheduled throughout the day and lunch will be provided at roughly 11:30 a.m.
Course Materials:	Course materials are provided by the instructor. We may change or alter course topics to best suit the classroom situation.
Locations:	The Nachi Training Center is located in Novi, Michigan. Courses can also be conducted at our customer's facility upon request, please contact us for special pricing information.
Related Courses:	FD Electrical Maintenance Course
Registration:	Courses are scheduled in accordance to customer requests and requirements. Please visit our website www.nachirobotics.com or call (248) 305-6545 for pricing and availability.

***Students must wear proper attire – long pants, leather shoes, and safety glasses recommended**