FOD for Electronics Manufacturing SYLLABUS

This course introduces participants to the causes of FOD and the steps you can take to mitigate its effects when handling, storing, or transporting items in a manufacturing facility.

COURSE OBJECTIVE

After completing this course, you will be able to employ the key tools, materials, and processes designed to prevent and control the effects of FOD within a manufacturing facility.

LEARNING OBJECTIVES PER COURSE MODULE

MODULE 1: INTRODUCTION TO FOREIGN OBJECT DEBRIS

- Define FO Debris and FO Damage
- Differentiate between foreign object debris and FO damage
- Distinguish foreign object debris by category
- Identify FOD material composition & sources
- Identify resources available for FOD prevention and control

MODULE 2: FOD SENSITIVE AREAS

- Distinguish FOD areas and classify them by the degree of control and potential impact
- Differentiate area signage
- Become familiar with facility and environmental controls

MODULE 3: WORK ENVIRONMENT

- Identify work environment controls and practices employed to prevent FOD
- Identify and describe restricted personal items in FOD sensitive areas
- Distinguish and describe controls for tools, hardware and consumables used in a designated FOD area

MODULE 4: PROCEDURES

- Identify documentation that contains guidance for FOD prevention
- Identify the industry best practices for FOD prevention
- Identify the various elements of a FOD control plan
- Identify responsibilities of the FOD focal point
- Identify whether training, escorted access, or unescorted access are options for personnel entering a FOD control area
- Identify steps for containment and removal of FOD

- Select from a list, examples that will require a FOD incident report

FINAL EXAM & CERTIFICATE OF COMPLETION

Once you have completed all 4 modules, you can take the final exam. You will have 25 minutes to complete 20 multiple-choice and true or false questions. The passing score for this exam is 80%. Students may attempt the exam up to three (3) times. Please note that a third and final attempt is permitted after 24 hours of the second attempt. Participants who attain the minimum score of 80% can access and download their IPC Certificate of Completion.

COURSE RESOURCES

Everything you need to successfully complete the FOD for Electronics Assembly course is included and available on the IPC EDGE Learning Management System.

IPC EDGE LEARNING MANAGEMENT SYSTEM

Upon accessing the course for the first time, take a moment to update your personal profile. IPC EDGE supports the most recent versions of Google Chrome, Firefox, Safari, Internet Explorer, and Microsoft Edge. Courses can be accessed on desktops, laptops, tablets, and mobile phones. Please refer to Browser Settings under the Start Here! Tab on your dashboard to make sure your browser is set to function seamlessly with the IPC Edge Learning Management System. If you need further technical assistance, please send an email to certification@ipc.org or call IPC Member Support at +1 847-597-2862.