# G101
## AC Drive Basics

### Course Type and Description
Classroom Course.

### Course Duration
The course duration is 1 day.

### Student Profile
This course is intended for persons who need basic knowledge of AC drives and motors.

### Course Goal
The goal of this course is to teach students the basic functions of asynchronous motors and AC drive systems.

### Course Objective
Upon completion of this course, students will be:
- Able to identify main components of AC drives
- Familiar with different AC drive systems
- Familiar with AC motor mechanics and features

### Main Topics
- Load characteristics of machines
- Basics of AC motors
- Components and connections
- Torque and power characteristic
- Basics of AC drives
- Speed and torque control
- Frequency converter techniques
- Control techniques of AC drives
- Exercises
- Presentation of different AC drives

### Prerequisites
Prior to attending this course, students should have basic knowledge of electricity.