

## Course description

# G171

# ACS800 Intelligent Pump Control (IPC), operation and programming

## Course Duration

The course duration is 2 days.

## Course type

Classroom course

## Course Goal

The goal of this course is to teach students to calculate energy saving of a pump applications, read pump curves, program and modify a multi pump applications.

## Student Profile

This course is intended for electricians, technicians, and engineers, who commission, install, operate and service ACS800 multi pump systems.

## Prerequisites

- Either course G152 or G156 (or equivalent knowledge). For course names and durations, please refer to the accompanying figures of learning paths.

## Description

This course belongs to a learning path that may utilize blended learning. Please see the accompanying figure for possible learning paths.

## Course Objectives

Upon completion of this course, students will be able to:

- Calculate energy saving in pump applications
- Program and modify different multi pump applications

## Main Topics

- Pump theory and curves
- Energy saving and PumpSave calculator
- Multi pump link configuration
- Multi pump control
- Level control
- Additional features

## Low voltage drives training

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## Course agenda

# G171

# ACS800 Intelligent Pump Control (IPC), operation and programming

## Day 1

- 08:30 Course Information
- 08:35 Product Overview
- 09:30 Coffee break
- 09:45 Pump curves and energy saving
- 10:45 Exercise A1: PumpSave calculator
- 12:00 Lunch
- 13:00 Intelligent Pump Control and Communication
- 13:30 Multi pump control
- 14:15 Coffee break
- 14:30 Exercise A2 - A4: Hardware configuration and Multi pump control
- 16:00 End of the day

## Day 2

- 08:30 Exercise 2 continue
- 09:30 Coffee break
- 09:45 Level control and common features
- 10:45 Exercise A5 - A6 : Level control and Anti Jam Function
- 12:00 Lunch
- 13:00 Flow calculation
- 13:30 Exercise A7: Flow Calculation
- 14:15 Coffee break
- 14:30 Additional features: Sleep boost, priority Control
- 16:00 End of the course

### Low voltage drives training

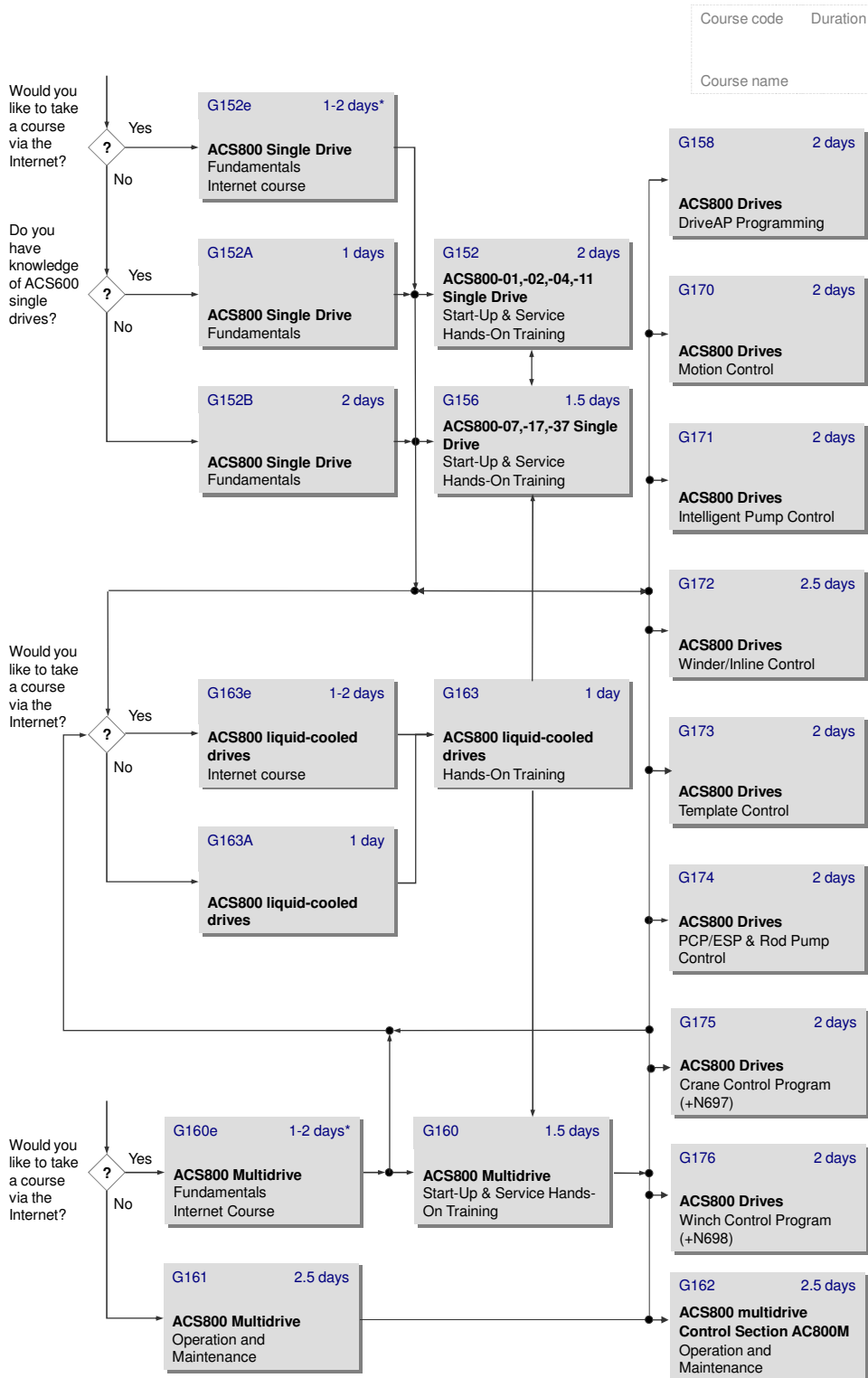
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# Learning Paths

# ACS800 drives Learning paths



\* The duration of the Internet courses depends on personal professional background and study pace