

# M401 DCI System 6 Standard Controlware II Configuration

## Course Description



### Course Duration

The duration is 5 days.

### Course Goal

The goal of this course is to teach students to configure and program the DCU3200 for continuous control.

### Student Profile

This course is recommended for DCI System 6 support personnel responsible for DCI system software database maintenance and/or responsible for DCI system logic configuration.

### Prerequisites and Recommendations

Students should have basic control system experience.

### Description

In this course, students will learn detailed functionality of all Controlware II modules available in DCU3200 related to continuous control. Also included is Controlware Command Language and an introduction to modules used for sequential and batch control.

### Course Objectives

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

- Configure the Harmony DCU3200 controller for continuous type process control using Controlware II modules
- Program the Harmony DCU3200 using CCL (Controlware Command Language) for special continuous control applications
- Configure the Harmony DCU3200 for batch type process control using Controlware II modules (introduction)
- Save and reload Harmony DCU3200 databases
- Change the Harmony DCU3200 module mix capabilities



## Course Calendar

Day 1	Day 2	Day 3	Day 4	Day 5
<ul style="list-style-type: none"> <li>• DCU3200 Overview</li> <li>• IO Modules               <ul style="list-style-type: none"> <li>• InputOutput Board</li> <li>• ANalogInput/ANalogOutput</li> <li>• DiscreteInput/DiscreteOutput</li> <li>• CIO/PBUS</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Continuous Control Modules               <ul style="list-style-type: none"> <li>• CALculation</li> <li>• CONtrol</li> <li>• TOTalizer</li> </ul> </li> <li>• Discrete Modules               <ul style="list-style-type: none"> <li>• Discrete Control Device</li> <li>• MultiState Device Control</li> <li>• TiMeR</li> <li>• STATe</li> </ul> </li> <li>• Miscellaneous Modules               <ul style="list-style-type: none"> <li>• Boolean Logic Module</li> <li>• PARameter</li> <li>• Pointer Table Block</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Custom Control Modules               <ul style="list-style-type: none"> <li>• CCM</li> <li>• PHaSe</li> </ul> </li> <li>• Controlware II Command Language</li> </ul>	<ul style="list-style-type: none"> <li>• Controlware II Command Language (Continued)</li> <li>• Data Dictionary               <ul style="list-style-type: none"> <li>• Module Mix</li> <li>• Atom Properties</li> <li>• Custom Modules</li> <li>• Custom Atoms</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Batch Modules               <ul style="list-style-type: none"> <li>• ModuleSET</li> <li>• SEQUENCE</li> <li>• MiniSEQUence</li> <li>• Pseudo Devices</li> <li>• SECurity</li> <li>• DeviceTest Module</li> </ul> </li> </ul>

