Learn to write Taylor Control Language (TCL) sequences using fundamental and advanced language features. This course is for users of Advant OCS with MOD 300 software, and also applies to the traditional MOD 300 System.

**Course type and methods**
This is an instructor led workshop with short presentations and demonstrations, extended exercises, and hands-on sessions and discussion.

**Student Profile**
This course is targeted to system/process engineers or system programmers.

**Prerequisites**
This is an accelerated TCL course and students should have sufficient experience with MOD 300 prior to attending this class.

**Course objectives**
This course covers the fundamentals of TCL programming and design. Topics include the development of calculation algorithms, database accessing techniques, unit relative and unit symmetrical sequences, inter-program and intra-program control and communications, mailbox facilities, and sequence control statements for concurrent and independent sequence actions.

Upon completion of this course the participants will be able to:

- Identify database and environment modifications to use TCL
- Using the MOD 300 System displays, locate the functional level of sequences
- Develop, debug, test, and execute sequences using the Editor and runtime console support
- Develop TCL sequences that:
  - Perform process control calculations, manipulate arrays, and access recipes
  - Perform start-up, shutdown, and emergency actions
  - Control system sequences and perform sequence activation
  - Control batch processes
  - Monitor and access functional elements
  - Access/modify sequence parameters
  - Perform batch process data collection and generate batch reports
  - Access data and string FCM’s

**Duration**
The duration is 5 days.
### Course outline

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### Day 5

- Unit arrays
- Peripheral I/O statements
- Sequential function chart statements
- Batch 300 statements
- TCL/TCL interlock applications

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