



## FPWS-101 Abstract

Course# / Title	Description / Course Objective
<p><b>Field Panel Web Server (Web UI) Operations</b></p> <p>Half day class which walks through the basic tasks of the web server user interface.</p> <p><b>Recommended Prerequisites:</b> None</p>	<p><b>Course Objectives</b></p> <p>At the end of this unit you should be able to:</p> <ol style="list-style-type: none"><li>1. Navigate graphics to look at building conditions</li><li>2. Display point information like point values and alarms on reports</li><li>3. Command points</li><li>4. Identify and explain operating schedules</li><li>5. Describe making an “exception” to change a schedule</li><li>6. Display trended point history</li></ol>



## Classes and Curriculum

Course# / Title	Description / Course Objective
<p><b>AIG-101</b></p> <p><b>Apogee Insight Operations for New Users</b> Learn the basic operations of the system for day-to-day use through graphics.</p> <p><b>Recommended Prerequisites:</b> None</p>	<p><b>Course Objectives</b> At the end of this unit you should be able to:</p> <ol style="list-style-type: none"><li>1. Log on and off of Apogee Insight</li><li>2. Manipulate the Main Menu and discuss applications important to class content</li><li>3. Identify the components of a point log. Run a point log for:<ul style="list-style-type: none"><li>- one point</li><li>- a group of points using wild cards</li><li>- points with specific characteristics and conditions</li></ul></li><li>4. Command points using the point commander, and return commanded points to system control</li><li>5. Display dynamic graphics and command points from a graphic</li><li>6. Display alarms. View the System Activity Log to look at point alarm history</li><li>7. Drag a point alarm to the Commander to practice drag and drop. Command the point from the Commander</li><li>8. Display on-line documentation about selected topics covered in class</li></ol>



## Classes and Curriculum

Course# / Title	Description / Course Objective
<p><b>AIG-202</b></p> <p><b>Advanced Apogee Insight Operations: Reports Trending &amp; Scheduling</b></p> <p>Learn to create, display and print various reports; trending (data stored when a change of value or time occurs); schedule equipment, run times, trends, and reports... and much more all through graphics.</p> <p><b>Recommended Prerequisites:</b> <b>AIG-101</b> Apogee Insight for New Users</p>	<p><b>Course Objectives</b></p> <p>At the end of this unit you should be able to:</p> <ol style="list-style-type: none"><li>1. Use the Report Builder and Report Viewer to create, print, and display various reports</li><li>2. Place reports in the Scheduler so the system will automatically generate reports</li><li>3. Override an existing schedule to make a temporary change</li><li>4. Determine when to trend a point by time and when to trend a point by Change of Value (COV)</li><li>5. Create and modify trend definitions. Place a trend definition in the Scheduler</li><li>6. Place an event in the Scheduler</li><li>7. Display on-line documentation about selected topics covered in class</li></ol>



## Classes and Curriculum

Course# / Title	Description / Course Objective
<p><b>TEC-101</b></p> <p><b>Apogee TEC's - Terminal Equipment Controllers</b></p> <p>Learn how Apogee TEC's control building equipment and communicate with field panels; communicate with the field panel using Controller Interface Software (CIS) or Datamate; communicate with a TEC from the room thermostat using a laptop, and through the field panel or Apogee Insight.</p> <p><b>Recommended Prerequisites:</b> None</p>	<p><b>Course Objectives</b></p> <p>At the end of this unit you should be able to:</p> <ol style="list-style-type: none"><li>1. Explain the purpose of Terminal Equipment Controllers</li><li>2. Describe how TEC's control building equipment</li><li>3. Identify the Terminal Equipment Controllers installed at your facility and describe the application used</li><li>4. Sketch a representation of some or all of the Floor Level Networks at your facility</li><li>5. Discuss how TEC's and field panels communicate</li><li>6. Explain the difference between points and subpoints</li><li>7. Define Controller Interface Software (CIS) or Datamate and explain its use. Communicate with TC's using one of these software tools</li><li>8. Communicate with a TEC from the room thermostat, and through the field panel or Insight</li></ol>



## Classes and Curriculum

Course# / Title	Description / Course Objective						
<p><b>TM-101</b></p> <p><b>Terminal Mode for New Users</b></p> <p>Learn the basic operations of the system for day-to-day use through terminal mode (no graphics).</p> <p><b>Recommended Prerequisites:</b> None</p>	<p><b>Course Objectives</b> At the end of this unit you should be able to:</p> <ol style="list-style-type: none"> <li>1. Log on and off of your system.</li> <li>2. Correct errors using the &lt;Backspace&gt; and # (&lt;shift - 3&gt;) keys.</li> <li>3. Explain the purpose of the following reports:               <table style="margin-left: 20px; border: none;"> <tr> <td>Point log</td> <td>Point trend</td> </tr> <tr> <td>Point monitor</td> <td>Point definition</td> </tr> <tr> <td>Point totalization</td> <td></td> </tr> </table> </li> <li>4. Define the components of a point log</li> <li>5. Run a point log for: All points in a building; One point in a building; A group of points using Wildcards</li> <li>6. Pause, resume, and cancel the scrolling of a report</li> <li>7. Command Points</li> <li>8. Return commanded points to system control</li> <li>9. Add points to the point monitor</li> <li>10. Run a point monitor report</li> <li>11. Remove points from the point monitor</li> <li>12. Run a point totalization report</li> <li>13. Reset totalization point values (if applicable)</li> <li>14. Determine when to trend a point by time and when to trend a point by Change of Value (COV)</li> <li>15. Add and remove points to trending</li> <li>16. Run a point trend report</li> <li>17. Run a point definition</li> </ol>	Point log	Point trend	Point monitor	Point definition	Point totalization	
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