

## NC-500

### Fanuc Macro and Option Training

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<b>Course Description</b>	<p>This class will instruct the students in the use of custom macro programming and special options for Fanuc controls. The students will learn to use these powerful functions to increase machine efficiency and reduce cycle times. This is a very intense course with a considerable amount of time spent writing and executing programs.</p>
<b>Customer Supplied Training Equipment</b>	<p>The customer will provide a classroom and access to a machine tool with a Fanuc controller suitable for training purposes. The instructor will need unlimited access to the machining center for the duration of the class.</p>
<b>Topical Outline</b>	<ul style="list-style-type: none"><li>• Machine operation procedures</li><li>• Programming fundamentals</li><li>• Introduction to macros</li><li>• Variables</li><li>• System variables</li><li>• Call statements</li><li>• IF, THEN, GOTO statements</li><li>• Arithmetic functions</li><li>• Custom M-codes</li><li>• Custom G-codes</li><li>• Special options to reduce cycle time</li></ul> <p><i>If you wish to add, remove or concentrate on any of the topics please let us know. We will accommodate any special requests. Note that the options available on the machine tool will vary depending upon the manufacturers specifications.</i></p>
<b>Prerequisites</b>	<p>Participants should have a good basic knowledge of machining practices and understand basic G-code programming.</p>
<b>Course Length</b>	<p>36 hours</p>
<b>Ceu's</b>	<p>3.3</p>