# MotoHawk Training Agenda

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<td>Welcome&lt;br&gt;MotoHawk Introduction&lt;br&gt;Check Installation&lt;br&gt;Basics of Simulink and MotoHawk Simulink Model&lt;br&gt;Build and Flash First Model</td>
<td>RTI Triggers and Interrupts&lt;br&gt;Faults and Fault Management&lt;br&gt;Throttle Project with Faults&lt;br&gt;Data Storage&lt;br&gt;Lookup Tables</td>
<td>CAN Based Throttle Project</td>
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<td>Afternoon</td>
<td>MotoHawk Blockset Overview&lt;br&gt;Basic I/O&lt;br&gt;Calibration, Probes, and Overrides&lt;br&gt;Throttle Project</td>
<td>Throttle Project with Lookup Tables&lt;br&gt;Anatomy of a CAN message&lt;br&gt;CAN/Packing&lt;br&gt;MotoHawk CAN Blocks</td>
<td>Class Specific Content or Engine I/O&lt;br&gt;Encoder, Spark, Injectors Questions</td>
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Software Requirements

Persons attending the training must have a Windows laptop (XP or Windows 7) with the following software installed in order to participate in the hands-on projects.

From Mathworks ([www.Mathworks.com](http://www.Mathworks.com))
- Matlab, Simulink, Simulink Coder, Embedded Coder.

From Kvaser ([www.Kvaser.com](http://www.Kvaser.com))
- Kvaser CANKing (free CAN trace tool)

- MotoHawk
- MotoServer Runtime
- MotoTune
- GCC PowerPC eabi 4.6.0

Downloads are available from the [Software page of Woodward.com](http://www.woodward.com/software.aspx). Type a key word into the search box (ex. type MotoHawk or MotoTune). Licenses for the Woodward tools will be provided.

Notes:
- We will be using the latest SP MotoHawk release, but this version is not required. If you have another version available or installed this will be fine. MotoHawk supports Matlab 2 years back (ex. if you have Matlab 2010a, MotoHawk 2010a-2012a would be compatible).
- We will be using the latest MotoTune and MotoServerRuntime, but this version is not required. MotoTune and MotoServer must be the same version. Uninstall older versions using Windows Add/Remove programs before installing a new version of MotoTune or MotoServerRuntime.
- For Windows 7, run the installer for MotoTune, MotoServer Runtime, and MotoHawk as Administrator (right click and choose Run as Admin).
- Software is not supported on Windows 8, laptop with Windows XP or Windows 7 is required.