

BMW Engine Technical Update - Mechanical Edition



Instructor:
Jason Maldonado

The evolution of BMW engines, covering the key advancements the brand has made over the years, from their early innovations to today's cutting-edge technology. The mechanics and designs of BMW's four-stroke engines, including the differences between systems like Valvetronic and VANOS.

Explore critical systems such as crankcase ventilation, fuel management, and turbo technology, as well as automatic start/stop function and lubrication processes. Understanding these features will be essential for diagnosing and repairing modern BMW engines. Throughout the course, we'll also discuss the proper use of special tools, along with tips and tricks for effective diagnosis and repair

- ✓ *4-Stroke Engines - Design and Operation*
- ✓ *Exploring Engine Mechanics and Designs (Past and Current)*
- ✓ *Fundamentals and Understanding the Difference Between Valvetronic and VANOS*
- ✓ *Crankcase Ventilation - Design & Diagnosis Ensure Accurate Fuel*
- ✓ *Management - Design, Operation, Diagnostics and Common Failures*
- ✓ *Turbo Technology - Boost Management & Diagnosis*
- ✓ *Automatic Start/Stop Function, Lubrication Processes, and More*
- ✓ *Special Tools - Function and Proper Use*
- ✓ *Tips and Tricks for Diagnosis and Repair*

SATURDAY
4/26/25
8am to 5pm

Code: **SEM1919**
Cost: **\$385 USD**
Per Student



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