



# AECD & OBD Training Series

# New AECD & OBD Training Series, Tailored to Your Needs

## Ascential Technologies & WinterPark Engineering: Powering OBD Excellence

WinterPark Engineering has been helping customers design and test their On-Board Diagnostics (OBD) systems for more than 20 years. Leveraging that comprehensive knowledge base, we've developed a series of online training modules to keep your team members on the pulse of the latest OBD and Auxiliary Emission Control Device (AECD) changes and happenings in the auto industry.

Part of the Ascential Academy global training program, these modules offer scalable, measurable and flexible training solutions to keep your teams' expertise current year over year.



### What you will gain

- Reduced time to competency for technicians and engineers
- Standardized training across sites and regions
- Course tracking, certifications and skills development



### Our training options

- 100% online
- In-person, customizable programs
- Hybrid training solutions, which combine online learning with live training



### Key eCourse features

- Multilingual and globally deployable content
- Applicable for new staff and up-skilling experienced technicians and engineers
- Can take place anytime, anywhere – entirely at your own pace



## WinterPark Course Offerings

Hosted on the Ascential Academy Learning Management System, our ready-to-use eCourses (see below) cover the most critical OBD and AECD topics.

### AECD

**Defeat Device Awareness and Prevention:** aims to educate individuals involved in powertrain controls on the importance of understanding AECDs and defeat device requirements.

### OBD Basic

**Introduction to OBD:** provides a comprehensive overview of OBD systems, detailing their purpose, historical context and evolution from OBD I to OBD II.

**Composition of the OBD System:** provides a comprehensive overview of an OBD system's main components, including software, hardware, monitor or diagnostic functions, driver notification (MIL), and more.

### OBD Advanced

**OBD Requirements:** covers various aspects of OBD for vehicles, including monitoring requirements, MIL monitoring exemptions and test outs, MIL handling and fault codes, and DEC-ECU and smart devices, among others.

**OBD Testing Requirements and Enforcement:** focuses on the key components of OBD testing requirements and enforcement procedures.

**Standardization:** focuses on the need for OBD standardization in the auto industry, covering various standards and details their functional requirements, communication protocols and diagnostic service modes.

**OBD in Practice:** covers the typical development process, defining WPA/BPU systems, achieving diagnostic robustness and separation, developing threshold parts, and more.

**Certifying CARB Compliant OBD Engines:** focuses on the certification process for CARB-compliant OBD engines.

**OBD Regional Differences:** provides a comprehensive overview of the regional differences in OBD systems for engines, factoring in country-specific regulations.



**Technologies | Test & Measurement Systems**

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Contact us today to discuss how we can help tackle your toughest, most complex challenges and unlock the performance of your business.

### **About Ascential Technologies**

Ascential Technologies tackles the most challenging problems where the cost of failure is high.

We design, develop, and automate complex diagnostics, inspection, and test processes across medical & life science, transportation, and aerospace & industrial end markets.

With 70+ years of experience, 2,300+ experts, and over 40 locations across the globe, Ascential Technologies leverages the power of science and technology to accelerate innovation and improve health and safety.

**Impossible? Done.**