AUTOMOTIVE

ADVANCED AUTOMOTIVE DIAGNOSTIC SERIES

XAU110 INTRODUCTION TO AUTOMOTIVE OSCILLOSCOPE DIAGNOSTICS **Tuition $200.00**

With ever more complex diagnostic problems facing the advanced diagnostic technician, a tool to get to the real cause of the problem has never been more valuable. Only with an oscilloscope do you have the ability to diagnose these complex faults. This one-day blended classroom and hands-on course will cover the theory and operation of automotive oscilloscopes. The hands-on portion of this class will include performing oscilloscope test functions such as relative compression testing, current ramping, ignition system testing, cam-crank correlation, MAF testing, and more. This class is designed around the Pico Scope platform but applies to Snap-on, Autel and other automotive oscilloscopes. Scope owners are encouraged to bring their own scope. All tools and equipment will be supplied. (2 meetings)

CRN	CAMPUS	DAY	DATE	TIME	ROOM
97705	Ammerman	Wednesday	10/9-10/16	6:00pm-10:00pm	Automotive Tech Bldg.

XAU170 INTRODUCTION TO SPECIALIZED ELECTRONICS TRAINING **Tuition $179.00**

A great class for the beginner just starting out in the field, or for current technicians looking to branch out into electrical diagnosis. Learn how electric circuits in an automobile work through lecture and lab experiences. Emphasis is on learning circuit behavior and use of digital test meters. Students will practice building and testing circuits on project boards. Series and parallel circuitry will be covered as well as beginning diagnostic strategy. Students may bring their own meters. However, class meters will be available. (4 meetings)

CRN	CAMPUS	DAY	DATE	TIME	ROOM
97707	Ammerman	Mon/Wed	9/16-9/25	6:00pm-8:00pm	Automotive Tech Bldg.

XAU180 AUTOMOTIVE ELECTRONIC SCHEMATICS AND VEHICLE ACCESSORY DIAGNOSTICS **Tuition $179.00**

A great follow-up to Introduction to Specialized Automotive Electronics Training for the person looking to improve their automotive electrical troubleshooting skills. This lecture/lab course focuses on reading wiring diagrams (schematics) and effective diagnostic strategies for use with various automotive electrical accessories. Students will build on skills covered in the introductory course by testing and diagnosing electrical circuits on shop cars – using online service information and test equipment. All equipment will be provided. However, students are encouraged to bring their own digital test meter and test light. (4 meetings)

CRN	CAMPUS	DAY	DATE	TIME	ROOM
97706	Ammerman	Mon/Wed	10/7-10/16	6:00pm-8:00pm	Automotive Tech Bldg.

XAU112 HANDS-ON LAB SCOPE SKILLS DEVELOPMENT **Tuition $200.00**

This course is designed for automotive technicians and service personnel with a basic level of automotive lab scope/oscilloscope ability. Prior knowledge of basic electrical and scope usage is strongly recommended. This eight-hour course gives the student a chance to experiment on lab vehicles and to hone their skills with the support of the instructor as well as peers within the course. (2 meetings)

CRN	CAMPUS	DAY	DATE	TIME	ROOM
97708	Ammerman	Wednesday	11/6-11/13	6:00pm-10:00pm	Automotive Tech Bldg.

XAU113 21ST CENTURY BRAKE SERVICE **Tuition $59.00**

This course will cover best practices for brake service, including rotor finishing utilizing the Pro-Cut on-car brake lathe. This course results in a certification for the use of the newest Pro-Cut brake lathe technology. (1 meeting)

CRN	CAMPUS	DAY	DATE	TIME	ROOM
97709	Ammerman	Monday	11/4	6:00pm-9:00pm	Automotive Tech Bldg.

ALTERNATIVE FUELS

XAU116 INTRODUCTION TO HYBRID ELECTRIC VEHICLES **Tuition $59.00**

Hybrid Electric Vehicles are here to stay so making hybrid vehicles a part of your business is essential. This course will cover what you need to know to service, diagnose, and repair these vehicles, and ultimately add a new stream of revenue to your business. This class is a blended theory and hands-on course. (1 meeting)

CRN	CAMPUS	DAY	DATE	TIME	ROOM
97710	Ammerman	Wednesday	11/13	6:00pm-10:00pm	Automotive Tech Bldg.