

I. Computer requirements

A copy of these specifications is included as a free preview file prior to a student enrolling.

The recommended interaction with this course is with a PC or laptop. The video presentations contain detailed diagrams and animations that are better appreciated on a larger screen. However, this course can be accessed on a smartphone or other mobile device.

The following information was supplied by the on-line platform`s technical support:








While this course is compatible with most modern computer browsers, ones currently updated by their developers are recommended, such as, but not limited to, Google Chrome and Firefox. This reduces browser errors. Also, certain devices can have issues with certain file types, for example, Linux cannot run .mp4 files (format for the video presentations).

Of course, a reliable internet connection is required.



Browser extensions such as adblockers or other blocking software may conflict with the site. If a user is having a problem, it`s best to clear their cache and access the site with the extensions disabled.

The resource downloads available in this course, such as the class manual, are presented in PDF format, therefore *Adobe acrobat reader* must be installed on the computer.




II. Course Outline**Resources - downloads**

-   Course overview - computer requirements (3 pgs.)
-   Course navigation - policy (5 pgs.)
-  Course manual (64 pgs.)
-  Tech sheets (6 pgs.)
-  Student tips (1 pg.)



Chapter 1, 2 Intro and Safety

-  Chapter 1, 2 presentation (14:38)
-  Safety quiz (12 questions)






Chapter 3 The Electrical

-  Chapter 3A presentation (20:37)
-  Chapter 3B presentation (21:42)
-  The Electrical quiz (14 questions)






Chapter 4 Control

-  Chapter 4 presentation (25:03)
-  Control quiz (14 questions)




Chapter 5 Diagnostic


-  Chapter 5A presentation (22:52)
-  Chapter 5B presentation (20:44)
-  Chapter 5C presentation (24:57)
-  Chapter 5D presentation (20:11)
-  Diagnostic quiz (14 questions)

Chapter 6 Locate

-  Chapter 6A presentation (28:06)
-  Chapter 6B presentation (27:18)
-  Chapter 6C presentation (28:29)
-  Chapter 6D presentation (29:18)
-  Locate quiz (14 questions)

Course review/ Final exam

-  Review presentation (26:36)
-  Final exam diagram (5 pgs.)
-  Final exam (12 questions)

 Indicates free preview available to student prior to course sign up

2024 update

III. Topic directory

1 - Intro

the instructor
course overview
objectives

2 - Safety

mindset
gear

3 - The Electrical**3A**

basics
power supply
circuit

3B

broken circuit
solenoid
clamp meter

4 - Control

controller
control options
solenoid valve
master control

5 - Diagnostic

5A
the property
water supply
station behavior
multi-meter intro.
5B
read a circuit
circuit faults
fault scenarios
multi-meter review

5C

multiple problems
unrelated issues
station ID
wire ID tools

5D

isolate
test at valve
ghost voltage
check points
wire ID review

6 - Locate

6A
locator kit
locating theory
tracing circuit
wire path
find solenoid
6B
signal contrast
locator adjustment
property changes
fault finder

6C

short
fuse/ circuit breaker
move transmitter
locate review

6D

digital locator
connect options
wireless locate
inductive clamp

Course review

review electrical
review multimeter
review locate
final exam instructions