

SO, YOU WANT TO BE A MECHANICAL INSPECTOR?

WHAT IT TAKES TO BECOME A MECHANICAL INSPECTOR

A mechanical inspector requires the most diverse background of knowledge of any trade inspector there is, by at least 4-fold.

The individual trades that are involved are:

1. Refrigeration
2. Air conditioning
3. Forced air heating
4. Hydronic heating and cooling
5. Process piping
6. Solid fuel burning
7. Gas piping
8. Exhaust systems
9. Hazardous exhaust
10. Dust, stock and refuse collection systems
11. Water heaters
12. Legal aspects of the laws and codes
13. Extensive code knowledge which is over and above trade knowledge
14. Basic Algebra

Public Acts:

1. 230
2. 407
3. 299
4. Michigan Boiler Code Rules
5. And many others

License Holders seeking to become an Inspector must have held the required license categories for at least one year prior to application for an Inspectors Registration.

Licenses required: State of Michigan Mechanical Contractors License at least 3 of the Following Categories:

1. Hydronic heating and cooling and process piping
2. HVAC
3. Refrigeration
4. Fire Suppression

*Legality
Can you question
being sued without*

Codes involved:

1. Michigan Building Code
2. Michigan Mechanical Code
3. International Fire Code
4. International Fuel Gas Code
5. Michigan Residential Code
6. NFPA-2
7. NFPA-11
8. NFPA-12A
9. NFPA-13
10. NFPA-13R
11. NFPA-13D
12. NFPA-14
13. NFPA-17
14. NFPA-17A
15. NFPA-22
16. NFPA-20
17. NFPA-24
18. NFPA-30
19. NFPA-30A
20. NFPA-30B
21. NFPA-33
22. NFPA-34
23. NFPA-35
24. NFPA-45
25. NFPA-51
26. NFPA-52
27. NFPA-54
28. NFPA-55
29. NFPA-59A
30. NFPA-61
31. NFPA-68
32. NFPA-69
33. NFPA-72
34. NFPA-85
35. NFPA-86
36. NFPA-92

37. NFPA-96
38. NFPA-99
39. NFPA-204
40. NFPA-211
41. NFPA-409
42. NFPA-505
43. NFPA-654
44. NFPA-655
45. NFPA-664
46. NFPA-704
47. NFPA-750
48. NFPA-2001
49. UL-555
50. UL-555C
51. IIAR-2
52. ICC A117.1
53. ANSI/P-18
54. A13.1
55. B31.3
56. ASHRAE-15
57. ACCA-Manual D
58. ACCA-Manual J
59. SMACNA HV AC Duct Construction Standards-Metal and Flexible,
60. SMACNA Fibrous Duct Construction Standards

License preparation courses are for becoming licensed as a Mechanical Contractor Only

Inspector apprenticeship courses are additional to the Mechanical License and are NOT mandatory but advised to become minimally proficient to fulfil your required mandates under the LAWS

BASIC Mechanical Contractor License Preparation Course *(this license alone does not qualify you to become a Mechanical Inspector, you will need two additional categories)*
(\$750) (12 contact hours)
and covers the following:

1. HVAC equipment category **ONLY**
2. Skilled Trades Regulation Act, 2016 PA 407
3. Stille-De Rossett-Hale Single State Construction Code, 1972 PA 230
4. Must take and pass an examination for each work classification desired.
5. How to navigate the code book
6. Proven study methods
7. Proven test taking strategies
8. Useful tools contained within the code books
9. Hierarchy of the Codes
10. Where to find the answers
11. Basic Construction Math
12. Practice quizzes
13. Flashcards
14. Practice examinations
15. Time management during the examination
16. What to expect on exam day
17. Proven relaxation techniques
18. The confidence you will need to pass the examination
19. Self-study techniques/expectations

This class **DOES NOT COVER THE FOLLOWING**, these are additional in-depth classes taken separately

ADVANCED COURSES (\$375) (3 contact hours) each.

- Refrigeration
- Fire Suppression
- Hydronic heating and cooling and process piping