**MT3.848: EPA Technician Certification**

Linn-Benton Community College – Fall 2019

2 Credit Hour

**Instructor: Ken Dickson-Self** **OFFICE HOURS:**

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Instructor website: linnbenton.edu 🡪 Quick Links 🡪 Instructor Websites 🡪 Dickson-Self

**REQUIRED TEXT:** None (See below under “Course Activities”)

**COURSE DESCRIPTION:**

Anyone handling and refrigerants or working on refrigeration systems must have EPA certification or face large fines and legal proceedings. Students will sit for an EPA certification from the ESCO HVAC Excellence program. The student will study from a test prep booklet, optional texts, and a podcast of the class lectures then arrange the test date with the instructor sometime during the term. Completing 410A certification is an additional option for this class.

**COURSE OUTCOMES:**

Upon successful completion of this course, students will be able to:

1. Receive EPA certification
2. Handle refrigerants safely.

**COURSE ACTIVITIES:**

Books and study manuals are loaned to each student by the Mechatronics program.

Study EPA Certification Exam Preparatory Manual, by The Esco Institute (provided free to registered students in the course). The manual contains all the content for the test questions.

Study the following sections of Technician Certification for Refrigerants (2nd edition), Syles, H., American Technical Publishers:

Do not worry about Chapter 1, since it is a review of mechanical refrigeration systems.

Chapter 2: study from REFRIGERANT SAFETY to the end of the chapter, complete the CD ROM chapter test, and most importantly answer the multiple-choice questions for the chapter.

Do not worry about Chapter 3.

Study all of chapter 4 and complete the CD ROM test and answer all the end of chapter multiple choice questions.

Chapter 5: study these sections. Montreal Protocol, Advance Notice of Proposed Rulemaking, CLEAN AIR AMMENDMENTS through the end of the chapter, complete the CD ROM chapter test, and answer the multiple-choice questions for the chapter.

Chapter 6: Study the whole chapter, complete the CD ROM chapter test, and answer the multiple choice questions for the chapter.

Chapter 7: study these sections. EPA EVACUATION REQUIREMENTS and EXCEPTIONS TO EVACUATION REQUIREMENTS.

Chapters 8 -16: study all chapters and complete all the CD ROM tests and answer all multiple choice questions.

When you feel that you are ready to take the test, schedule an exam with me. The exam will be taken on computer in Lab and will cost $25, paid for by the college. No extra charges are added. Details of the exam are covered in the text.

**GRADING:**

Average Grade on EPA certification tests = 100% of your final grade

This class is graded “A” through “F”. Letter grades will be assigned as follows:

90-100% = A, 80-89% = B, 70-79% = C, 60-69% = D, Below 60% = F

This course relies on your willingness and ability to study on your own time. I suggest that you do a little bit each day rather than squeeze it in during short cram sessions. The nature of the exam requires memorization of facts and data mandated by the Environmental Protection Agency.

If you are having problems with the course, please contact me ASAP.

**LBCC EMAIL AND COURSE COMMUNICATIONS**

Email is the primary method of communication for this class. You are responsible for all communications sent to your LBCC email account. You are required to use your LBCC-provided email account for all email communications at the College. You may access your LBCC student email account through [Student Email](http://linnbenton.edu/lbcc-email).

**DISABILITY AND ACCESS STATEMENT**

Students who may need accommodations due to documented disabilities, who have medical information which the instructor should know, or who need special arrangements in an emergency should speak with their instructor during the first week of class. If you believe you may need accommodations but are not yet registered with the Center for Accessibility Resources (CFAR), please visit the [CFAR Website](https://www.linnbenton.edu/current-students/student-support/center-for-accessibility-resources/) for steps on how to apply for services or call 541-917-4789.

**STATEMENT OF INCLUSION**

To promote academic excellence and learning environments that encourage multiple perspectives and the free exchange of ideas, all courses at LBCC will provide students the opportunity to interact with values, opinions, and/or beliefs different than their own in safe, positive and nurturing learning environments. LBCC is committed to producing culturally literate individuals capable of interacting, collaborating and problem-solving in an ever-changing community and diverse workforce.

**TITLE IX REPORTING POLICY**

If you or another student are the victim of any form of sexual misconduct (including dating/domestic violence, stalking, sexual harassment), or any form of gender discrimination, LBCC can assist you. You can report a violation of our sexual misconduct policy directly to our Title IX Coordinator. You may also report the issue to a faculty member, who is required to notify the Coordinator, or you may make an appointment to speak confidentially to our Advising and Career Center by calling 541-917-4780.

**PUBLIC SAFETY/CAMPUS SECURITY/EMERGENCY RESOURCES**

In an emergency, call 911. Also, call LBCC Campus Security/Public Safety at 541-926-6855 and 541-917-4440.

From any LBCC phone, you may alternatively dial extension 411 or 4440. LBCC has a public safety app available for free. We encourage people to download it to their cell phones. Public Safety also is the home for LBCC's Lost & Found. They provide escorts for safety when needed. Visit them to learn more.

**CHANGES TO THE SYLLABUS**

I reserve the right to change the contents of this syllabus due to unforeseen circumstances. You will be given notice of relevant changes in class or through LBCC e-mail.