

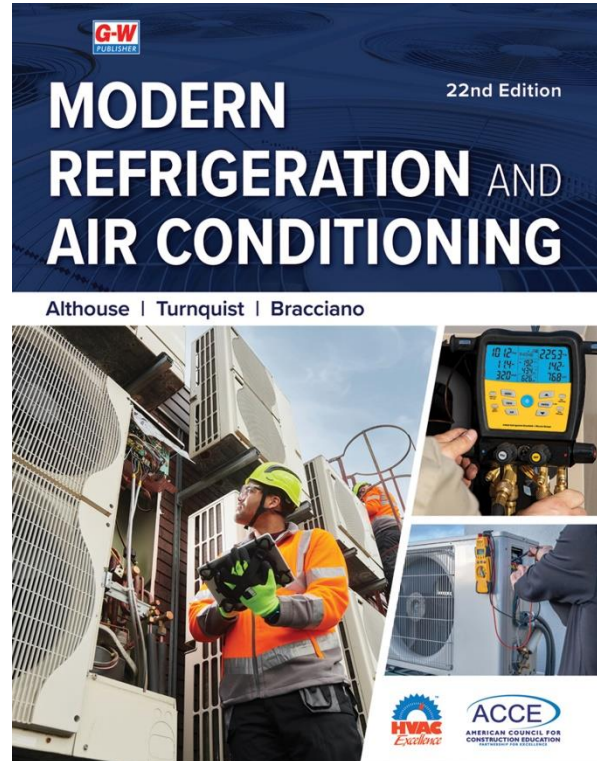


**Correlation of**  
**Modern Refrigeration and Air Conditioning, Althouse, Turnquist, Bracciano**  
**(Goodheart-Willcox Publisher ©2025)**  
**to**  
**AHRI Curriculum Guide XXIII. Regulations**

Goodheart-Willcox is pleased to partner with the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) and the American Council for Construction Education (ACCE) by correlating *Modern Refrigeration and Air Conditioning* to the AHRI Curriculum Guide. The following chart correlates *Modern Refrigeration and Air Conditioning* to a section of the Curriculum Guide developed by AHRI used for ACCE (formerly PAHRA) accreditation.

The chart lists the Curriculum Guide’s knowledge and task competency objectives in the left column and the corresponding chapter numbers from *Modern Refrigeration and Air Conditioning* in the right column.

For more information on the American Council for Construction Education (ACCE) and related accreditation, please visit: [www.acce-hq.org](http://www.acce-hq.org)



<b>XXIII.A. Codes and Standards</b>	
<b>Knowledge</b>	<b>Textbook Chapter(s)</b>
1. Describe the reasons for codes.	Chapters 1, 5, 10, 11, 14, 16, 17, 18, 19, 22, 23, 25, 29, 30, 31, 33, 44, 47, Appendix F
2. Describe the three model codes:	
a. Building Officials and Code Administrators (BOCA), National Mechanical Code	—
b. Southern Building Code Congress International (SBCCI), Standard Mechanical Code	—
c. International Conference of Building Officials (ICBO), Uniform Mechanical Code	—

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<b>XXIII.A. Codes and Standards (continued)</b>	
<b>Knowledge</b>	<b>Textbook Chapter(s)</b>
3. Identify the codes and standards for the applicable area, locality, and state.	Chapters 10, 14, 16, 17, 33, 47
4. Discuss the relationship between codes and manufacturers' installation instructions.	Chapters 10, 14, 16, 17, 33, 47, Appendix F
5. Identify pertinent standards published by the following organizations:	
a. AGA	Chapter 33
b. AMCA	Chapter 30
c. ANSI	Chapters 10, 33, 45, Appendix G
d. ARI	Chapters 2, 11, 12, 25, 32, Appendix G
e. ASHRAE	Chapters 2, 10, 28, 29, 30, 32, 33, 40, 41, 47, 48, 51, Appendix G
f. IEC	Chapter 18
g. ISO	Chapter 4
h. SMACNA	Chapter 30
i. UL	Chapters 10, 17, Appendix G
<b>XXIII.B. Regulations Affecting Ozone Depletion</b>	
<b>Knowledge</b>	<b>Textbook Chapter(s)</b>
1. Explain ozone depletion.	Chapters 10, 29, Appendix F
2. Explain significance of the Montreal Protocol.	Chapter 10, Appendix F
3. Explain significance of the Clean Air Act.	Chapters 10, 11, Appendix F
4. Explain EPA requirements:	
a. technician certification	Chapter 1, Appendix F
b. refrigerant recover, recycle, and reclaim	Chapters 1, 10, 11, 12, Appendix F
c. disposal of systems	Chapter 1, Appendix F
d. labeling	Chapter 1, Appendix F
e. shipping	Chapter 1, Appendix F
f. leak detection	Chapter 1, 11, 12, Appendix F
g. Significant New Alternatives Policy Program (SNAP)	Chapters 1, 10, Appendix F
h. Recordkeeping	Chapter 1, Appendix F
5. Know Department of Transportation (DOT) requirements concerning transportation of refrigerants.	Chapters 10, 11, 50, Appendix F

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<b>XXIII.B. Regulations Affecting Ozone Depletion (continued)</b>	
<b>Knowledge</b>	<b>Textbook Chapter(s)</b>
6. Determine if refrigerant container is DOT-approved and whether it needs to be retested.	Chapters 10, 11, 50, Appendix F
7. Determine if recovery/recycle equipment is certified and meets requirements.	Chapters 10, 11, 12, 50, Appendix F
<b>Tasks</b>	<b>Textbook Chapter(s)</b>
1. Dispose of empty nonrefillable cylinders.	Chapters 10, 11, 12, Appendix F
2. Use recovery equipment and prepare system for disposal.	Chapters 10, 11, 12, Appendix F
3. Obtain federal EPA technician certification.	Chapter 10, Appendix F
<b>XXIII.C. Other Regulations</b>	
<b>Knowledge</b>	<b>Textbook Chapter(s)</b>
1. Explain global warming.	Chapter 10
2. Know OSHA work rules.	Chapters 10, 29
3. Explain indoor air quality (IAQ) standards (ASHRAE Std. 62).	Chapters 28, 29, 30
4. Explain impact of state and local codes on system application and retrofit.	Chapters 10, 11, 47, Appendix F
5. Explain proper disposal of oil, components, and other materials.	Chapters 10, 11, Appendix F
6. Explain state and local licensing requirements.	Chapters 10, 11, Appendix F
7. Explain DOT regulations.	Chapters 10, 11, Appendix F