

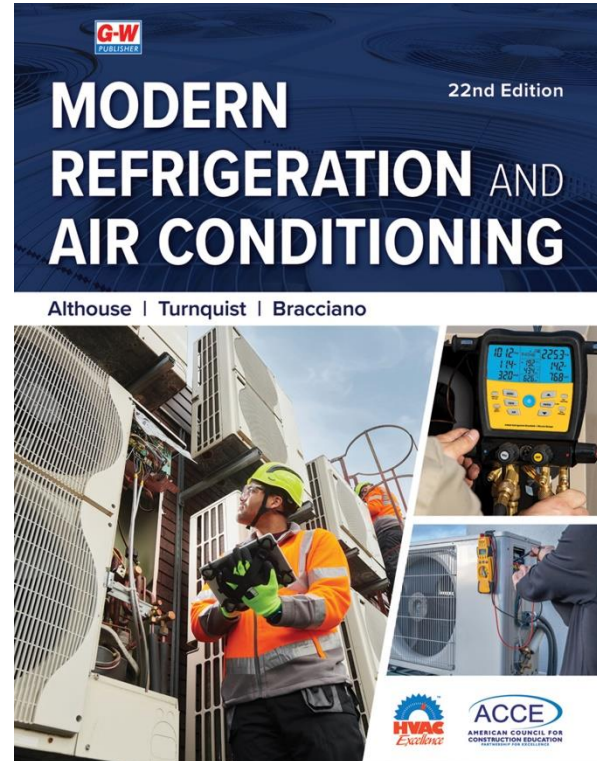


Correlation of
Modern Refrigeration and Air Conditioning, Althouse, Turnquist, Bracciano
(Goodheart-Willcox Publisher ©2025)
to
AHRI Curriculum Guide XXI. Refrigerant Retrofits

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



XXI.A. Alternative Refrigerant Retrofits	
Knowledge	Textbook Chapter(s)
1. Determine if the alternative refrigerant and/or lubricant:	
a. is applicable for retrofitting specific system	Chapters 10, 11, 12, Appendix B
b. is on the EPA SNAP list	Chapter 10, Appendix F
c. is U.L. listed	Chapters 10, 17
d. meets the equipment manufacturers’ approval	Chapters 10, 22, 23, 25, Appendix B

**Correlation of *Modern Refrigeration and Air Conditioning* to AHRI Curriculum Guide:
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XXI.A. Alternative Refrigerant Retrofits (continued)	
Knowledge	Textbook Chapter(s)
2. Determine the lubricant required for the alternate refrigerants.	Chapters 10, 11, 12, 21, 43, 50
Tasks	Textbook Chapter(s)
1. Procure the Manufacturers' Changeover Guidelines and follow the retrofit procedures.	Chapters 10, 12, 21, 43, 50, Appendix F
2. Measure the residual mineral oil in a system being changed from a CFC to an HFC refrigerant.	Chapters 10, 12, 21, 43, 50, Appendix F