

MSCA is proud to partner with the EMCOR Training Center in Phoenix, AZ, to provide MSCA members with top-tier fundamental technical classes designed to strengthen their expertise in mechanical systems.

Chiller Fundamentals I is a lecture-based course tailored for those looking to deepen their understanding of chiller components, operations, and maintenance. Participants will explore the foundational principles of water chillers and their critical role in HVAC systems.

COURSE HIGHLIGHTS

- Understanding what a water chiller is and how it functions
- Exploring basic components and various types of water chillers
- Learning the refrigeration cycle and principles of heat exchange
- Examining types of heat exchangers, including tube design
- Discussing refrigerants and the role of purge units
- Introduction to basic hydronic systems
- Fundamentals of trouble analysis and chiller maintenance
- Overview of starters and essential maintenance practices

Whether you're new to the industry or looking to refresh your knowledge, this course offers valuable insights into the essential aspects of chiller systems. Join us to gain the skills needed to maintain and troubleshoot these critical systems effectively.

Your instructor will be Tim McGinley
Director, Applied Service
Mesa Energy Services, an EMCOR Company

For more information, email Teresa Pezzi at tpezzi@mcaa.org.



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